Natural

Messages and Codes

Version 9.2.5

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ADABAS & NATURAL

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Preface

This documentation is organized under the following headings:

Natural Nucleus Generated Messages		
	Natural System Error Messages	Explains the system error messages that may be issued by the Natural nucleus. Library-specific messages and messages relating to other products are not included.
	GETMAIN Error Numbers in NAT7545	Contains the error numbers which are displayed in Error Message NAT7545 as a result of a failed `GETMAIN` request.
	FREEMAIN Error Numbers in NAT7546	Contains the error numbers which are displayed in Error Message NAT7546 as a result of a failed `FREEMAIN` request.
	PARSE JSON: Reason Codes for Error Message NAT8331	Contains a list of the reason codes issued along with NAT8331 during a `PARSE JSON` statement.
	PARSE XML: Reason Codes for Error Message NAT8311	Contains a list of the reason codes issued along with NAT8311 during a `PARSE XML` statement.
	Compression/Decompression Error Messages	Contains the error messages (`NUSO2`*nn*) that may be issued by the Natural thread compression/decompression routine as a result of user session errors.
Natural Buffer Pool Messages		
	Natural Global Buffer Pool Manager Messages	Contains the informational and error messages issued by the Natural Global buffer pool manager under z/OS.
	Message Buffer Pool Messages	Contains the messages that may be issued by the Message Buffer Pool.
Roll Server, ASM and SIP Messages and Codes		
	Roll Server Messages	Contains the messages that may be issued by the Natural Roll Server. *
	Return Codes and Reason Codes of the Roll Server Requests	Contains the return codes and reason codes of the roll server requests. *
	Authorized Services Manager Messages	Contains the messages that may be issued by the Natural Authorized Services Manager. *
	SIP Service Return Codes and Reason Codes	Contains the return codes and reason codes of the Session Information Pool Service requests. *
Server-Specific Messages and Codes		
	RPC Server Front-End Messages	Explains the messages that may be issued by the RPC server front-end. *
TP Monitor Interfaces Messages and Codes		
	Natural under Com-plete/SMARTS User Abend Codes	Contains the abend codes issued by the Natural Com-plete/SMARTS Interface. *

	Natural under CICS Messages	Contains the abend codes, SCP environment initialization errors, SCP environment recovery errors, SCP processing errors and the session errors issued by the Natural CICS Interface. *
	Natural under IMS TM Error Messages	Contains the error codes and messages that may be issued by the Natural IMS TM Interface. *
Database Management System Interfaces Messages and Codes		
	Static Generation Messages and Codes Issued under NDB	Contains the error messages that may be issued during static generation under Natural for Db2.
	Messages from the Shared Memory Objects File Server under NDB	Contains the messages that may be issued by Shared Memory Objects File Servers under Natural for Db2. *
	Reason Codes for the Shared Memory Objects File Server under NDB	Contains the reason codes that can be appear for Shared Memory Objects File Server requests under Natural for Db2. *
	Natural for VSAM Interface Abend Codes	Explains the abend codes that may be issued by Natural for VSAM. *
	Natural Messaging Abend Codes	Explains the abend codes that may be issued by Natural Messaging. *
Add-On Product/Component Messages and Codes		
	Debug Attach Server	Explains the errors messages that may be issued by the debug attach server.



Note: * Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

Notation *vrs* or *vr*:

When used in this document, the notation *vrs* or *vr* represents the relevant product version (see also *Version* in the Glossary).

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Document Conventions

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

Online Information and Support

Product Documentation

You can find the product documentation on our documentation website at **https://documentation.softwareag.com**.

Product Training

You can find helpful product training material on our Learning Portal at **https://learn.softwareag.com**.

Tech Community

You can collaborate with Software GmbH experts on our Tech Community website at **https://techcommunity.softwareag.com**. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software GmbH news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories at **https://github.com/softwareag** and **https://hub.docker.com/publishers/softwareag** and discover additional Software GmbH resources.

Product Support

Support for Software GmbH products is provided to licensed customers via our Empower Portal at **https://empower.softwareag.com**. Many services on this portal require that you have an account. If you do not yet have one, you can request it at **https://empower.softwareag.com/register**. Once you have an account, you can, for example:

- Download products, updates and fixes.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

Data Protection

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

I Natural System Error Messages

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2 Natural System Error Messages 0001-0049

NAT0001: Missing/invalid syntax; undefined variable name/keyword.

Text	Missing/invalid syntax; undefined variable name/keyword.
Explanation	The syntax checker detected an invalid statement name or keyword. The probable cause is a misspelling of a statement name, keyword or variable name, or an error in a sub-clause of the previous statement.
Action	Correct error.

NAT0002: No file is available with specified name or number.

Text	No file is available with specified name or number.
Explanation	- The file name was misspelt; or - the file is not defined in the data dictionary; or - you are not authorized to access the file.
Action	Use a correct file name; or define the file in the data dictionary; or contact your Natural administrator for access authorization to the file.

NAT0003: Invalid character string for file name or file number.

Text	Invalid character string for file name or file number.
Explanation	An invalid syntax has been supplied where Natural expected to locate a file name or number. Only characters that are available in the construction of variable names may be used for the construction of a file name, i.e., alphabetical characters (first character must be alphabetical), numeric characters, and the following special characters: - hyphen-minus _ underscore @ commercial at / slash # number sign $ dollar sign & ampersand On z/OS platforms, "@" is the character with the hexadecimal value H"7C".
Action	Eliminate invalid characters from file identification.

NAT0004: DEFINE DATA must be the first statement if present.

Text	DEFINE DATA must be the first statement if present.
Explanation	If DEFINE DATA is used in a program, it must always be the first statement.
Action	Correct error.

NAT0005: Closing parenthesis missing in arithm/logical expression.

Text	Closing parenthesis missing in arithmetic/logical expression.
Explanation	Parentheses may be used to control the evaluation of arithmetic and logical expressions. If parentheses are used, they must always be paired (opening and closing parentheses).

Action	Check the use of parentheses in the arithmetic or logical expression.

NAT0006: ESCAPE statement used when no processing loop active.

Text	ESCAPE statement used when no processing loop active.
Explanation	The ESCAPE statement may only be used within an active processing loop.
Action	Check structure of processing loops and place ESCAPE statement correctly within an active loop.

NAT0007: Invalid THRU or TO clause in READ LOGICAL or HISTOGRAM.

Text	Invalid THRU or TO clause in READ LOGICAL or HISTOGRAM.
Explanation	In a READ LOGICAL or HISTOGRAM statement, when specifying a - THRU clause, an ending value must be supplied; - TO clause, a starting value and an ending value must be supplied. A starting or ending value must be either a constant or the content of a variable.
Action	Correct error in program.

NAT0008: Invalid search syntax.

Text	Invalid search syntax.
Explanation	1) A field used in a WITH clause must be a descriptor. A group notation is not permitted. 2) When the ENDING AT clause of a READ statement uses a superdescriptor as the search key, the superdescriptor must be defined with the VIEW in the data area (if present). 3) When the READ statement is related to Db2, the search variable must be part of the VIEW.

Action	1) The LIST FILE command may be used to ascertain whether a field is defined as a descriptor in the data dictionary. 2) Add the superdescriptor to the VIEW.

NAT0009: Invalid relational operator in a relational expression.

Text	Invalid relational operator in a relational expression.
Explanation	A relational expression in a logical criterion contains an invalid relational operator. The following relational operators may be used in a relational expression: = or EQ or EQUAL TO <> or NE or NOTEQUAL < or LT or LESS THAN <= or LE or LESS EQUAL > or GT or GREATER THAN >= or GE or GREATER EQUAL See the Natural documentation, Logical Condition Criteria, for further information.
Action	Correct the construction of the relational expression.

NAT0010: Error in value specification in a relational expression.

Text	Error in value specification in a relational expression.
Explanation	The search criterion is correct up to the relational operator, but the specification of the value to be compared is either missing or invalid. If the value was specified using a variable, the variable must have been previously defined.
Action	Ensure that alpha descriptor values are enclosed in apostrophes and that numeric values are not. Reference only variables that have been defined previously.

NAT0011: Invalid format combination in a relational expression.

Text	Invalid format combination in a relational expression.
Explanation	In a relational expression, values being compared with a relational operator must have the same format, that is: alpha rel-operator alpha numeric rel-operator numeric binary rel-operator binary
Action	Correct error.

NAT0012: Length adjustment of search variable not possible.

Text	Length adjustment of search variable not possible.
Explanation	The value supplied in the relational expression is longer than the length defined for the search variable. The length of the search variable can be dynamically adjusted to the length of the value supplied if only one value exists. (This is not true for expressions using the "OR =", "THRU" or "BUT NOT" operations.)
Action	If more than one value exists, use appropriate length specification for search variable.

NAT0013: Descriptor name or ISN missing after "BY" in READ.

Text	Descriptor name or ISN missing after "BY" in READ.
Explanation	The word "BY" is specified to express a sequence for a READ operation. If BY is used, either the word "ISN" or the name of a descriptor must be specified to express the sequence in which the records are to be read.

Action	Either do not specify BY, or specify either ISN or the name of a descriptor.

NAT0014: Error in SORTED BY clause of FIND statement.

Text	Error in SORTED BY clause of FIND statement.
Explanation	The field specified for an Adabas sort is not a descriptor; or no sort descriptor was specified; or more than 3 sort fields were specified.
Action	Correct error.

NAT0015: Parenthesis missing in Natural system function notation.

Text	Parenthesis missing in Natural system function notation.
Explanation	The argument for a Natural system function must be enclosed in parentheses. If a variable has been given a name which is also the name of a Natural system function, this error message will also occur.
Action	Either enclose the argument for the function in parentheses; or change the name of the variable so that it does not conflict with the name of a Natural system function.

NAT0016: Invalid parameter in INCLUDE statement or copycode.

Text	Invalid parameter in INCLUDE statement or copycode.
Explanation	The number of a parameter in the copycode

Action	Correct error in INCLUDE statement or in copycode.

NAT0017: MASK or SCAN used incorrectly, or incorrect mask length.

Text	MASK or SCAN used incorrectly, or incorrect mask length.
Explanation	MASK and SCAN can only be specified following an EQ or NE operator. The length of the mask must be less than or equal to the length of the field. Only the following characters may be used in a mask: . ignore position in variable U check for upper-case alpha N check for numeric H check for hexadec. character P check for printable char. L check for lower-case alpha C check for alphanumeric S check for special printable A check for upper/lower alpha X check against position in value DD check for valid day in month MM check for valid month in year YY check for valid current year YYYY check for valid year in century JJJ check for valid Julian day N1-N2 check against range of values
Action	Ensure that the mask is specified correctly.

NAT0018: Error in construction of arithmetic operand.

Text	Error in construction of arithmetic operand.
Explanation	The name of a variable has been misspelt in an arithmetic expression; or a wrong character has been used in the construction of a numeric constant; or the argument of a square root function has been constructed incorrectly.
Action	Check program and correct error.

NAT0019: Error in receiving field of arithmetic statement.

Text	Error in receiving field of arithmetic statement.
Explanation	The receiving field of an arithmetic operation must consist of a valid variable reference. The error may be caused by a misspelt variable name or by not supplying the character "=" in ASSIGN/COMPUTE. It can also appear if the target variable is a system function like INT, SIN, etc. Ensure that the target field of MULTIPLY/DIVIDE is not a constant.
Action	Check program and correct error.

NAT0020: Word "BY" missing in MULTIPLY statement.

Text	Word "BY" missing in MULTIPLY statement.
Explanation	In a MULTIPLY statement, the word "BY" is required between the two operands to be multiplied, for example: `MULTIPLY 1 BY 2 GIVING #RESULT`
Action	Check program and correct error.

NAT0021: Word "INTO" missing in DIVIDE statement.

Text	Word "INTO" missing in DIVIDE statement.
Explanation	In a DIVIDE statement, the two operands must be separated by the word "INTO", for example: `DIVIDE 2 INTO 7 GIVING #RESULT`

Action	Check program and correct error.

NAT0022: Word "TO" missing in MOVE statement.

Text	Word "TO" missing in MOVE statement.
Explanation	The word "TO" is required in a MOVE statement to indicate the result field(s) into which the values are to be moved. Examples: MOVE 1 TO #A MOVE #B TO #C #D #E #F
Action	Check program and correct error.

NAT0023: Error in specification of format element.

Text	Error in specification of format element.
Explanation	Error in the specification of a format element: either in the FORMAT statement, or in a format specification following an input/output statement or an individual element. Format elements must be identified using the proper format element keywords. See the Natural session parameters documentation for details.
Action	Check program and correct error.

NAT0024: In VERT mode, "AS" must be followed by "text" or "CAP".

Text	In VERT mode, "AS" must be followed by "text" or "CAP".
	DISPLAY VERTICALLY AS indicates that a special option is desired for the vertical display of elements. No such option was encountered, either because of a misspelling or because no options were provided. Possible options are: - DISPLAY VERTICALLY AS "header text" - DISPLAY VERTICALLY AS CAPTIONED (or DISPLAY VERTICALLY AS CAP)

Explanation	- DISPLAY VERTICALLY AS "header text" CAPTIONED See the Natural statements documentation for details.
Action	Check program and correct error.

NAT0025: Closing parenthesis missing in system function argument.

Text	Closing parenthesis missing in system function argument.
Explanation	In a SORT statement, multiple argument variables can be specified for the same Natural system function. The list of argument variables must be enclosed in parentheses for all argument fields that are to be evaluated for the same system function.
Action	Check program and correct error.

NAT0026: Output element after "VERT" is missing or invalid.

Text	Output element after "VERT" is missing or invalid.
Explanation	"VERT(ICALLY)" was specified in a DISPLAY statement to indicate that output elements are to be displayed underneath one another; however, no valid output element was encountered after the "VERT". You have probably misspelt a variable name or forgotten an apostrophe at the beginning of a text string.
Action	Check program and correct error.

NAT0027: Error in value specification.

Text	Error in value specification.

Explanation	A value may be specified either as a constant or as the reference to an already existing variable or database field. Either a misspelt variable name was supplied, or the leading apostrophe for a constant was omitted.
Action	Correct error.

NAT0028: READ LOGICAL used without required descriptor.

Text	READ LOGICAL used without required descriptor.
Explanation	A READ LOGICAL statement requires the specification of a descriptor which is to be used to control the read sequence. If no sequence is specified in the READ LOGICAL statement, Natural attempts to use the default sequence as defined for the file in the Data Dictionary. If no descriptor is specified in the READ LOGICAL statement, and no default sequence is defined in the Data Dictionary, this error message will be displayed.
Action	Ensure that the sequence descriptor is specified by either of the methods described above.

NAT0029: Descriptor field missing/invalid syntax in HISTOGRAM.

Text	Descriptor field missing/invalid syntax in HISTOGRAM.
Explanation	A HISTOGRAM statement reads the values for a descriptor. The values are read using the database inverted list. Therefore, only descriptor fields may be specified.
Action	Supply a valid descriptor.

NAT0030: A relational expression is missing or invalid.

Text	A relational expression is missing or invalid.
Explanation	The following relational expressions are valid: = or EQ or EQUAL TO <> or NE or NOTEQUAL < or LT or LESS THAN <= or LE or LESS EQUAL > or GT or GREATER THAN >= or GE or GREATER EQUAL See the Natural documentation, Logical Condition Criteria, for further information.
Action	Correct the construction of the relational expression.

NAT0031: Opening/closing parenthesis missing in REDEFINE.

Text	Opening/closing parenthesis missing in REDEFINE.
Explanation	Opening and closing parentheses are required to begin/end the definition of a new variable using REDEFINE. Example: REDEFINE #A (#A(N3) #A2(A7))
Action	Correct error.

NAT0032: Invalid break control field in AT BREAK or IF BREAK.

Text	Invalid break control field in AT BREAK or IF BREAK.
Explanation	In an AT BREAK statement or IF BREAK condition, a database field or user-defined variable may be used to indicate the break control field. If a user-defined variable is used, it must have been previously defined. A break control variable can have any format, except format "C" (attribute control). The maximum length of a break variable is 253 bytes for alphanumeric and 126 bytes for binary variables. If you wish to use an alphanumeric variable with a larger size, you have to reduce the number of break positions with an explicit "/n/"

	clause. The same applies for variables defined as alpha DYNAMIC. Example: .. assume definitions #A300(A300) #DYN(A) DYNAMIC AT BREAK OF #A300 /10/ IF BREAK OF #DYN /177/
Action	Correct error.

NAT0034: Numeric field for number of lines invalid or missing.

Text	Numeric field for number of lines invalid or missing.
Explanation	The number of lines to be skipped in a SKIP, EJECT or NEWPAGE statement must be specified with a numeric constant or variable.
Action	Check program and correct error.

NAT0035: "DATA" not in AT START OF DATA/"PAGE" in AT TOP OF PAGE.

Text	"DATA" not in AT START OF DATA/"PAGE" in AT TOP OF PAGE.
Explanation	The word "DATA" is required in the construction of an AT START OF DATA statement; the word "PAGE" is missing in an AT TOP OF PAGE statement. It has either been misspelt or forgotten.
Action	Check program and correct error.

NAT0037: Name missing or specified incorrectly.

Text	Name missing or specified incorrectly.
Explanation	This error occurs under one of the following conditions: - At compilation time, if the object name (e.g. subprogram, dialog) specified in the statement is incorrect, either by format or length. - At runtime, if a dynamic alphanumeric variable is used to specify the object name and the current length of the variable exceeds the maximum of 8 characters.

Action	Specify the name as a 1- to 8-character constant or variable (A1-A8) or do not use a dynamic variable which is longer than 8 characters.

NAT0038: Invalid field reference in REDEFINE base field.

Text	Invalid field reference in REDEFINE base field.
Explanation	The field to be used as the base field in a REDEFINE statement may be a user-defined variable or a database field. If it is a user-defined variable, it must have been previously defined. If it is a database field, it must be a field within an active loop.
Action	Check program and correct error.

NAT0039: Sum of field lengths in REDEFINE > length of base field :1:.

Text	Sum of field lengths in REDEFINE > length of base field ....
Explanation	The accumulated length of all new fields in a REDEFINE statement must be less than or equal to the length of the base field, counted in bytes. When a group contains a field of type HANDLE or DYNAMIC, you can only redefine the fields before the HANDLE or DYNAMIC variable.
Action	Check program and correct error.

NAT0040: Only one AT TOP OF PAGE statement allowed per report.

Text	Only one AT TOP OF PAGE statement allowed per report.
Explanation	The AT TOP OF PAGE statement may only be specified once for the same report. If multiple actions are to be executed at the top of a page depending on various conditions, they must be specified within the same AT TOP OF PAGE statement and separated by the appropriate logical conditions.

Action	Check program and correct error.

NAT0041: Only one AT END OF PAGE statement allowed per report.

Text	Only one AT END OF PAGE statement allowed per report.
Explanation	The AT END OF PAGE statement may be specified only once per report. If multiple actions are desired under the same end-of-page condition, they must be specified within the same AT END OF PAGE statement and separated by the appropriate logical conditions.
Action	Check program and correct error.

NAT0042: Invalid specification of CIPHER code.

Text	Invalid specification of CIPHER code.
Explanation	The cipher code for a database file may be specified either as a numeric constant (8 digits) or the content of a numeric variable. The numeric variable must be defined with format/length N8. An equal sign (=) must be specified between the word CIPHER and the value. If the value is supplied via a numeric variable, this numeric variable cannot be a REDEFINE variable.
Action	Check program and correct error.

NAT0043: Invalid password construction.

Text	Invalid password construction.

Explanation	The Adabas password may be provided as an alphanumeric constant or by using an alphanumeric variable. An equal sign (=) must be specified between the word PASSWORD and the value for the password.
Action	Check program and correct error.

NAT0044: Output element not defined, or indexes incorrect.

Text	Output element not defined, or indexes incorrect.
Explanation	This error may be caused by: - an error in the construction of the name of an output element; - a reference to a variable that has not been previously defined; - a misspelling of a keyword; - an invalid index specification.
Action	Check program and correct error.

NAT0045: Invalid reference in UPDATE or DELETE statement.

Text	Invalid reference in UPDATE or DELETE statement.
Explanation	Either the construction of the reference is wrong or the reference is not allowed. A reference can only be made to a FIND, GET or READ statement. An UPDATE, GET or DELETE statement must not be on the same line as a FIND statement. No reference is possible to a GET SAME statement. In this case, use a reference to the statement that made the first access to the record.
Action	Check for the above causes and correct any errors.

NAT0046: Error in parameter field list for UPDATE or STORE.

Text	Error in parameter field list for UPDATE or STORE.
Explanation	Only fields from one file may be updated with one UPDATE or STORE statement. Values for fields may be constants, the contents of user-defined variables, or the contents of a database fields.
Action	Check the parameter list and correct any errors.

NAT0047: Error in variable definition.

Text	Error in variable definition.
Explanation	One of the following errors was detected: - In an OBTAIN statement, the field referenced was not contained within a database array. - An error in a statement reference and/or field length notation was detected. - An error in the index notation was detected. OBTAIN ARRAY (1:5) -> valid OBTAIN ARRAY (#I:#J) -> INVALID OBTAIN ARRAY (#I:#I + 9) -> valid
Action	Correct error.

NAT0048: Illegal format combination of field/value in UPDATE/STORE.

Text	Illegal format combination of field/value in UPDATE/STORE.
Explanation	The value assignment for field/value combinations in the parameter list is performed individually for each combination according to the general rules for value assignment. An attempt was made to assign a value of one format to a field of incompatible format.

Action	Check program and correct error.

NAT0049: Error in value entry for UPDATE or STORE.

Text	Error in value entry for UPDATE or STORE.
Explanation	The value in an UPDATE or STORE statement may be specified as a constant or as the content of a user-defined variable or database field. If a database field is used as a value, it must reference a currently active FIND/READ/GET loop.
Action	Check program and correct error.

3 Natural System Error Messages 0050-0099

NAT0050: Error in reference for GET SAME statement.

Text	Error in reference for GET SAME statement.
Explanation	The GET SAME statement refers by default to the last active access to the database; a reference to another specific database access may be explicitly specified. If an explicit reference is used, the database access must still be active.
Action	Correct the error in the GET SAME reference.

NAT0051: Error in field reference in GET statement.

Text	Error in field reference in GET statement.
Explanation	One of the following errors was detected in a GET statement: - A field referenced is not contained in the specified file. - An invalid index notation for a database array was used.

Action	Check program and correct error.

NAT0052: Invalid ISN value specified in GET or READ statement.

Text	Invalid ISN value specified in GET or READ statement.
Explanation	The ISN value in a GET or READ statement must be specified as an integer numeric constant, a user-defined variable, or via the Natural system variable *ISN. If you use *ISN, you must specify the statement label or source-code line number (r) of the database statement that was used to originally read the record with that ISN.
Action	Correct error in program.

NAT0053: No more than one WRITE TITLE/TRAILER allowed per report.

Text	No more than one WRITE TITLE/TRAILER allowed per report.
Explanation	Only one WRITE TITLE statement and one WRITE TRAILER statement may be specified per report.
Action	Check the report references of the WRITE TITLE/TRAILER statements.

NAT0054: Error in entry for Natural system function.

Text	Error in entry for Natural system function.
Explanation	A Natural system function is indicated by an asterisk (*). The name of a valid Natural system function must follow the asterisk. Example: MOVE *MAX (SALARY) TO RICHPERSON

Action	Check program and correct error.

NAT0055: Error in argument variable for Natural system function.

Text	Error in argument variable for Natural system function.
Explanation	The argument entry for a Natural system function may be a previously defined user-defined variable, or a database field.
Action	Check program and correct error.

NAT0056: SORT statement used incorrectly.

Text	SORT statement used incorrectly.
Explanation	The SORT statement may only be used within an active processing loop. A SORT statement may not be placed within a processing loop that was initiated by another SORT statement. If a program contains multiple SORT statements, all must include a USING clause.
Action	Correct error.

NAT0057: Invalid number specified in WITH LIMIT clause.

Text	Invalid number specified in WITH LIMIT clause.
Explanation	The number representing the limit of records selected for further processing was specified incorrectly. It may be specified either as a numeric constant or as the content of a numeric variable that has been previously defined; for example: WITH LIMIT (123) or WITH LIMIT (#LMT)

Action	Correct error in program.

NAT0058: Number of records to be processed not specified correctly.

Text	Number of records to be processed not specified correctly.
Explanation	The number of records to be processed in a processing loop initiated by FIND, READ or HISTOGRAM statement may be limited. The limit is specified as (n) where n is either a numeric constant or the name of a previously defined numeric variable.
Action	Correct error.

NAT0059: Incorrect field specification in WHERE clause.

Text	Incorrect field specification in WHERE clause.
Explanation	Probable causes of this message are: - an error in the specified name; - a reference to a Natural system function which has not yet been evaluated; - a new variable has been defined where not allowed.
Action	Correct error.

NAT0060: Incorrect variable specification in logical criteria.

Text	Incorrect variable specification in logical criteria.
Explanation	The left portion of a relational expression was specified incorrectly. This error may be caused by misspelling a variable name or keyword in a statement that follows the relational expression.

Action	Check program and correct error.

NAT0061: Error in GIVING value of ADD/MULTIPLY/SUBTRACT/DIVIDE.

Text	Error in GIVING value of ADD/MULTIPLY/SUBTRACT/DIVIDE.
Explanation	After the word "GIVING" in an ADD, MULTIPLY, SUBTRACT or DIVIDE statement, a valid notation for a variable reference must be specified. A user-defined variable or a database field may be used.
Action	Correct error.

NAT0062: Invalid receiving field in MOVE statement.

Text	Invalid receiving field in MOVE statement.
Explanation	A valid notation for a variable reference must be specified after the word "TO" in a MOVE statement. A user-defined variable or a database field may be used. MOVE LEFT/RIGHT JUSTIFIED is not allowed if the receiving field is a system variable. For MOVE .. with SUBSTR(..) operand(s) the following applies: - The SUBSTR argument field must be alphanumeric or binary. - Move of numeric field (type N) to binary SUBSTR(..) not allowed. - Parameter "(PM=I)" not allowed if the receiving field is binary. - Move of SUBSTR(..) to receiving field other than type A/B not allowed. - Use of option LEFT/RIGHT JUSTIFIED is not allowed.
Action	Correct the error.

NAT0063: Error in the argument for a Natural system function.

Text	Error in the argument for a Natural system function.
Explanation	The argument for a system function in a WRITE or DISPLAY statement following an AT BREAK/END DATA condition was specified incorrectly. Either a user-defined variable or a database field may be used. If a user-defined variable is used, it must have been previously defined. If a database field is used, it must be available within an active processing loop. For a database field which is contained within an array, a single index (one-dimensional array) or a range of indexes (two-dimensional array) may be used.
Action	Check program and correct error.

NAT0064: Invalid parameter operand.

Text	Invalid parameter operand.
Explanation	- In a CALL or SEND METHOD statement an invalid operand was specified as parameter. - In a PROCESS GUI or PROCESS REPORTER statement the parameter operand violates the required parameter description of the appropriate action. - In a OPEN DIALOG or SEND EVENT statement the parameter operand does not match the parameter definition of the appropriate dialog.
Action	Check parameter operand.

NAT0065: Group or periodic group referenced in VERT mode.

Text	Group or periodic group referenced in VERT mode.

Explanation	Groups and periodic groups may only be referenced in a DISPLAY statement in HORIZONTAL mode because a group needs a layout of columns that requires multiple lines. Make sure that the display mode is set to "HORIZ" before referencing a group or periodic group.
Action	Check program and correct error.

NAT0066: Error in constant specification for LIMIT statement.

Text	Error in constant specification for LIMIT statement.
Explanation	The value for the LIMIT statement may be specified as a numeric constant only.
Action	Check program and correct error.

NAT0067: Error in control value specification of FOR statement.

Text	Error in control value specification of FOR statement.
Explanation	The control value must be numeric and may be specified as a constant, user-defined variable or database field. The TO value may be specified as a numeric constant, user-defined variable, or database field. Any database field used must be available via an active processing loop.
Action	Check program and correct error.

NAT0068: Parameter error in GLOBALS or COMPOPT command.

Text	Parameter error in GLOBALS or COMPOPT command.
Explanation	Parameters in the GLOBALS or COMPOPT command must be specified with a parameter identification and a valid argument for the parameter. See the Natural system commands and session parameters documentation for further information.
Action	Check parameter specified and correct error.

NAT0069: Error in search criteria involving COUPLED clause.

Text	Error in search criteria involving COUPLED clause.
Explanation	The COUPLED clause of a FIND statement may be used to specify a search which involves the Adabas coupling facility. A maximum of four COUPLED clauses may be used. See the Natural FIND statement documentation for further information.
Action	Check program and correct error.

NAT0070: GIVE SYSTEM FUNCTIONS allowed only once per report.

Text	GIVE SYSTEM FUNCTIONS allowed only once per report.
Explanation	The GIVE SYSTEM FUNCTIONS clause, which is used to cause the evaluation of Natural system functions for subsequent use in an AT END OF PAGE condition, may only be used once for a given report. See the Natural DISPLAY statement documentation for further information.

Action	Check program and correct error.

NAT0071: Invalid name defined.

Text	Invalid name defined.
Explanation	The name of a subroutine must conform to the same rules which apply to user-defined variables (as described in the Natural documentation under "User-Defined Variables"). The name of a class, a prototype or a function must also conform to these rules, except that it is allowed to use a period in a class/prototype name.
Action	Correct the name definition.

NAT0072: A subroutine with the same name already exists.

Text	A subroutine with the same name already exists.
Explanation	You have used one subroutine name for two subroutines. However, subroutine names within a program must be unique. Or, you have tried to pass a parameter to an internal subroutine. You can only pass parameters to external subroutines.
Action	Check names of defined subroutines. Check parameter passing.

NAT0073: Sort field error; field has not previously been defined.

Text	Sort field error; field has not previously been defined.
Explanation	The fields used as sort criteria in a SORT statement must be user-defined variables which have been previously defined, or database fields which are available within an active processing loop. The same field may not be referenced twice in the SORT key fields or the USING clause. See the Natural SORT statement documentation for further information.

Action	Check program and correct error.

NAT0074: Incorrect specification of PERFORM SUBROUTINE statement.

Text	Incorrect specification of PERFORM SUBROUTINE statement.
Explanation	1) The name of the subroutine must not be enclosed in apostrophes. 2) If the PERFORM statement is used to invoke an inline subroutine, explicit parameters to be passed to the subroutine must not be specified with the statement.
Action	Check program and correct error.

NAT0075: RETURN or END-SUBROUTINE misplaced.

Text	RETURN or END-SUBROUTINE misplaced.
Explanation	This error occurs under one of the following conditions: 1) A RETURN or END-SUBROUTINE was found, although there is no corresponding DEFINE SUBROUTINE. 2) A subroutine is empty, that is, there is no statement within the DEFINE SUBROUTINE statement block.
Action	Check program and correct error.

NAT0076: The assigned work file (number) is incorrect.

Text	The assigned work file (number) is incorrect.
Explanation	The work file number specified must be - a numeric constant in the value range (1:32), or - a numeric variable of type (B/N/P/I) defined with a CONST clause assigning a value in the range (1:32).

Action	Correct error in program. See the Natural documentation of the used statement for further information.

NAT0077: Error in data field for READ/WRITE WORK FILE statement.

Text	Error in data field for READ/WRITE WORK FILE statement.
Explanation	Data fields may be specified as database fields or as user-defined variables. If the RECORD option is used, the variables must not have been previously defined and dynamic variables (if available) are not allowed. If the SELECT option is used, the variables may have been previously defined. Numeric constants may also be used with WRITE WORK FILE.
Action	Check program and correct error.

NAT0078: Error in "FILLER nX" specification for READ WORK FILE.

Text	Error in "FILLER nX" specification for READ WORK FILE.
Explanation	A filler may be specified in the definition of the data layout by using the notation "FILLER nX", where n is an integer number.
Action	Check program and correct error.

NAT0079: Invalid specification of AT END OF FILE clause.

Text	Invalid specification of AT END OF FILE clause.

Explanation	The specification of the AT END OF FILE clause in a READ WORK FILE statement is only permitted if the ONCE option has also been specified. If the ONCE option is not specified, a normal processing loop is created with the end-of-file condition being handled as normal loop termination.
Action	Check program and correct error.

NAT0080: Command / program name must start with a letter.

Text	Command / program name must start with a letter.
Explanation	The command - or the name of the program to be executed - you entered began with an invalid character. The first character of a system command or program name must be an alphabetical character, not a number or a special character.
Action	Enter a valid command or program name.

NAT0081: Program name missing in READ command.

Text	Program name missing in READ command.
Explanation	The READ command reads a source object from the active Natural library (or optionally from the library specified with the command) into the editor work area appropriate for the object type. The correct syntax of the command is: READ object-name <library ID> library ID must not be specified if Natural Security is active. library ID must not begin with "SYS" (except SYSTEM).
Action	Enter READ command with a valid object name.

NAT0082: Invalid command, or :1: :2: does not exist in library.

Text	Invalid command, or ... ... does not exist in library.
Explanation	One of the following has occurred: - You entered a value in the command line which is neither a Natural command nor the name of a Natural program contained in the active library or in a library defined as a steplib. - An object which is required during processing of a Natural executable is not contained in the active library or in a library defined as a steplib. - Your Natural session is currently applying system files other than those containing the object you specified.
Action	Enter a valid Natural command or the name of an existing Natural object. Use the command SYSPROF to check whether you are using the correct system file.

NAT0083: SAVE or CATALOG command issued when work area empty.

Text	SAVE or CATALOG command issued when work area empty.
Explanation	An object can only be SAVEd/CATALOGed from the editor work area. An object can be brought into the work area with a READ or EDIT command. (The command "RUN program-name" will also read the source of the program called "program-name" into the editor work area, before compiling and executing it.)
Action	Use READ or EDIT prior to using SAVE/CATALOG.

NAT0084: Object name already exists; SAVE/CATALOG not executed.

Text	Object name already exists; SAVE/CATALOG not executed.

Explanation	Natural requires that object names be unique. An object cannot be SAVEd or CATALOGed under a name which has already been given to another object.
Action	Either choose a different name for the object to be SAVEd/CATALOGed, or RENAME/PURGE/UNCATALOG/SCRATCH the existing object of that name before issuing the SAVE/CATALOG command.

NAT0085: Invalid program name specified in SAVE/CATALOG command.

Text	Invalid program name specified in SAVE/CATALOG command.
Explanation	A program name must begin with an alphabetical character and must not be longer than 8 characters.
Action	Enter a valid program name.

NAT0086: READ WORK FILE ONCE not allowed in AT END OF FILE.

Text	READ WORK FILE ONCE not allowed in AT END OF FILE.
Explanation	A READ WORK FILE ONCE statement is not permitted within an AT END OF FILE clause. See the Natural READ WORK FILE statement documentation for more information.
Action	Correct error.

NAT0087: Invalid parameters for USING in DEFINE DATA statement.

Text	Invalid parameters for USING in DEFINE DATA statement.

Explanation	The USING clause of the DEFINE DATA statement contains invalid parameters.
Action	Correct error.

NAT0088: RUN command issued without program in work area.

Text	RUN command issued without program in work area.
Explanation	If there is a program in the editor work area, you can issue the RUN command without program name so as to compile and execute that program. If the editor work area is empty, you must specify a program name with the RUN command, so as to read a program into the work area, from where it is compiled and executed.
Action	Specify a program name with the RUN command, or read the source program into the work area with a READ or EDIT command before issuing RUN.

NAT0089: CHECK command issued, but no program in work area.

Text	CHECK command issued, but no program in work area.
Explanation	The CHECK command can only be used after a source program has been read into the source work area with an EDIT, READ, or RUN command.
Action	Use EDIT or READ to place program in source work area before issuing a CHECK command.

NAT0090: Sub-/superdescriptor cannot be used in THRU clause.

Text	Sub-/superdescriptor cannot be used in THRU clause.

Explanation	A subdescriptor or superdescriptor must not be used in a THRU clause. The REDEFINE statement may be used to create a variable which may be used in the THRU clause. A HISTOGRAM statement may be used to read the values of the sub- or superdescriptor in sequence, followed by a FIND statement using each value read to retrieve the records.
Action	Check program and correct error.

NAT0091: Only "ON" or "OFF" allowed with UPDATE command.

Text	Only "ON" or "OFF" allowed with UPDATE command.
Explanation	The UPDATE command may be used to disable or enable database updating: - "UPDATE ON" enables updating of the database. - "UPDATE OFF" disables updating of the database. Other command options are not allowed with the UPDATE command.
Action	Enter the command "UPDATE ON" or "UPDATE OFF".

NAT0092: Invalid/missing block name in DEFINE DATA statement.

Text	Invalid/missing block name in DEFINE DATA statement.
Explanation	One of the following errors was detected while processing the block name of a data block contained within a global data area: - An error in block naming conventions was detected. - The data block specified was not found in the current global data area.
Action	Check program and correct error.

NAT0094: Invalid initial value definition. Reason code :1:.

Text	Invalid initial value definition. Reason code ....
Explanation	The initial value definition is invalid. Possible reason codes: 01: Group must not have INIT 02: LENGTH only allowed for A/U 03: FULL LENGTH not allowed for DYN 04: ALL not allowed for scalar 05: "<" character expected 06: Range specification required 07: Range only allowed for array 08: V only allowed for 1 dimension 09: Index range invalid 10: "," for next index missing 11: Wrong index in array INIT clause 12: ")" Index end not found 13: Keyword LENGTH expected 14: FULL LENGTH and LENGTH n mixed 15: INIT value incompatible to vari 16: INIT value too long for variable 17: No INIT value found in <...> 18: *LENGTH and *OCC not allowed 19: ">" character expected
Action	Correct the initial value definition.

NAT0095: Only alpha constant/field allowed for text in (RE)INPUT.

Text	Only alpha constant/field allowed for text in (RE)INPUT.
Explanation	The "text" in an INPUT or REINPUT statement can be specified with an alphanumeric constant, a previously defined alphanumeric variable, or an alphanumeric database field.
Action	Check that the variable used is defined as alphanumeric format or that the text constant is enclosed in apostrophes.

NAT0096: Invalid use of GLOBAL in DEFINE DATA statement.

Text	Invalid use of GLOBAL in DEFINE DATA statement.

Explanation	"USING gda-name" is required after the keyword "GLOBAL" when referencing a global data area in a DEFINE DATA statement.
Action	Correct error.

NAT0097: Invalid variable definition in REDEFINE statement.

Text	Invalid variable definition in REDEFINE statement.
Explanation	The variable definition is invalid for one or both of the following reasons: - invalid format specification; - invalid field length specification.
Action	Correct error.

NAT0098: At least one field required for RESET statement.

Text	At least one field required for RESET statement.
Explanation	The RESET statement requires that at least one variable be specified after the keyword RESET (or after the keyword INITIAL, if this is used).
Action	Correct error.

NAT0099: Field error in a COMPRESS statement.

Text	Field error in a COMPRESS statement.

Explanation	The COMPRESS statement compresses multiple field/literal values into another field. At least one value to be compressed must be specified. The value specified must be either a literal constant or an alphanumeric field.
Action	Correct error.

4 Natural System Error Messages 0100-0149

NAT0100: Format "C" not allowed with COMPRESS.

Text	Format "C" not allowed with COMPRESS.
Explanation	Multiple values may be compressed into one receiving field by use of a COMPRESS statement. The field whose values are compressed must not be of format "C".
Action	Correct error.

NAT0102: Error in reference to Natural system function in SORT.

Text	Error in reference to Natural system function in SORT.
Explanation	Only the system functions MAX, MIN, AVER, TOTAL may be evaluated. The values of these functions may be referenced after the sort operation in the form *FUNCTION(variable). Example: MOVE *TOTAL(SALARY) TO PAYROLL-TOTAL(N8)

Action	Correct error.

NAT0103: Error in receiving field for COMPRESS statement.

Text	Error in receiving field for COMPRESS statement.
Explanation	In a COMPRESS statement, the word "INTO" (or "TO") must be followed by a valid field name to indicate where the result is to be placed. The receiving field must be of alphanumeric (A) format.
Action	Correct error.

NAT0104: Multiple loop-initiating statements in the same line.

Text	Multiple loop-initiating statements in the same line.
Explanation	Only one loop-initiating statement may be specified in a single source code line.
Action	Enter each loop-initiating statement in a separate line.

NAT0105: Database updating not permitted.

Text	Database updating not permitted.
Explanation	The Natural administrator has disabled updating of the specified database. No programs with database-update functions can be created.
Action	Contact your Natural administrator.

NAT0106: SAVE/CATALOG/STOW/PURGE/UNCATALOG/SCRATCH not available.

Text	SAVE/CATALOG/STOW/PURGE/UNCATALOG/SCRATCH not available.
Explanation	Your Natural administrator has set the profile parameters ROSY and/or RECAT so that the system commands SAVE, CATALOG, STOW, PURGE, UNCATALOG, SCRATCH cannot be used.
Action	Contact your Natural administrator.

NAT0107: No more than 2000 bytes may be specified for ET data.

Text	No more than 2000 bytes may be specified for ET data.
Explanation	An END TRANSACTION statement was issued in which more than the maximum of 2000 bytes of user data were provided.
Action	Reduce the amount of ET data.

NAT0108: Error in group reference in WRITE WORK FILE statement.

Text	Error in group reference in WRITE WORK FILE statement.
Explanation	An error was detected during the processing of individual fields that are referenced via a group name.
Action	Check group definition.

NAT0109: Invalid reference in GET SAME or UPDATE statement.

Text	Invalid reference in GET SAME or UPDATE statement.
Explanation	The GET SAME or UPDATE statement can only refer back to a database-access statement, such as FIND, READ or GET, which is currently active; that is, the processing loop for that database access must still be open.
Action	Correct error.

NAT0110: No source text allowed after the END statement.

Text	No source text allowed after the END statement.
Explanation	The END statement indicates the end of the source of a Natural object. No other statements or comment lines are allowed after the END statement. A probable cause of this error is the misspelling of a name or the omission of "PAGE", "DATA", "TRANSACTION" from the statements AT END OF PAGE, AT END OF DATA, END TRANSACTION respectively; or a missing hyphen in END-DEFINE, END-FIND, END-IF etc.
Action	Correct error.

NAT0111: Function only available with :1:.

Text	Function only available with ....
Explanation	You have specified a function which is currently not available, because the required product or component is - not installed in your Natural FNAT system file or - not linked to your Natural nucleus or - not available for dynamic invoking. For example, the use of the system command MAIL would lead to this error if Natural Security is not installed.

Action	Contact your Natural administrator.

NAT0112: Invalid use of group name.

Text	Invalid use of group name.
Explanation	A group name must not be specified in this statement; specify elementary fields instead.
Action	Correct error in program.

NAT0114: Error in SET KEY statement construction.

Text	Error in SET KEY statement construction.
Explanation	See the Natural documentation for information on the valid syntax for the SET KEY statement.
Action	Correct error in program.

NAT0115: Error in variable definition for GET TRANSACTION DATA.

Text	Error in variable definition for GET TRANSACTION DATA.
Explanation	This error is usually the result of a misspelt variable name. In the GET TRANSACTION DATA statement, all types of variables of all formats are allowed. Variables may either be newly defined in the GET TRANSACTION DATA statement or may be referenced from a previous definition.

Action	Check program and correct error.

NAT0116: Incorrect "/n/" specification in AT BREAK statement.

Text	Incorrect "/n/" specification in AT BREAK statement.
Explanation	The "/n/" notation in an AT BREAK statement or an IF BREAK condition was specified incorrectly. "n" must be specified as a numeric constant, with a value in the range 1-253, enclosed in slashes (/) without any leading or trailing blank characters. Example: AT BREAK OF POST-CODE /5/ . IF BREAK OF BIRTH /2/
Action	Correct error.

NAT0117: Word "IDENTICAL" missing in SUSPEND IDENTICAL SUPPRESS.

Text	Word "IDENTICAL" missing in SUSPEND IDENTICAL SUPPRESS.
Explanation	The word "IDENTICAL" specifies the action to be taken for the suppress operation and is therefore required.
Action	Correct error.

NAT0118: Value assigned to function key not format "A".

Text	Value assigned to function key not format "A".
Explanation	The value to be assigned to a function key must be specified as a literal constant, or by a user-defined variable with format "A".

Action	Correct error.

NAT0119: Invalid format for UNTIL value in MOVE ALL statement.

Text	Invalid format for UNTIL value in MOVE ALL statement.
Explanation	The format of the value provided with the UNTIL option must be either - a positive integer constant value or - a variable of type "Integer" or - a variable of type "Numeric/Packed" without decimal digits. The usage of system-variables is not permitted.
Action	Correct error.

NAT0121: This statement is not permitted in structured mode.

Text	This statement is not permitted in structured mode.
Action	Do not use this statement, or switch to reporting mode.

NAT0122: Only format A, C or L allowed for fields in IF SELECTION.

Text	Only format A, C or L allowed for fields in IF SELECTION.
Explanation	The IF SELECTION statement may only be used to check the content of alphanumeric, attribute control and logical fields for non-blank contents. Only operands of the same type can be checked.
Action	Correct error.

NAT0123: Error in field specification for IF SELECTION statement.

Text	Error in field specification for IF SELECTION statement.
Explanation	At least one field must be specified in the IF SELECTION statement.
Action	Correct error.

NAT0124: Error in index notation for MOVE INDEXED statement.

Text	Error in index notation for MOVE INDEXED statement.
Explanation	The index must be specified as a numeric constant or a user-defined variable defined with format "N". Examples: MOVE INDEXED #A <5> TO #B <2> MOVE INDEXED #A <#INDEX> TO #B <#INDEX>
Action	Correct error.

NAT0125: No or invalid output element following DISPLAY/WRITE/INPUT.

Text	No or invalid output element following DISPLAY/WRITE/INPUT.
Explanation	At least one element must be specified in a DISPLAY, WRITE or INPUT statement. A possible cause for the error is a misspelt variable name that conflicts with the name of a Natural statement.
Action	Check program and correct error.

NAT0126: Error in qualification of variable.

Text	Error in qualification of variable.
Explanation	Only one level of qualification is allowed.
Action	Check program and correct error.

NAT0127: The word "AS" is missing in FIND AND RETAIN AS.

Text	The word "AS" is missing in FIND AND RETAIN AS.
Explanation	The word "AS" identifies that a RETAIN SET operation is to be performed and it must therefore be specified.
Action	Add the word "AS" to the RETAIN clause of the FIND statement.

NAT0128: Value to be used to identify set must be of format "A".

Text	Value to be used to identify set must be of format "A".
Explanation	The value used in a RETAIN clause to identify a set of records may be specified either as an alphanumeric constant or the content of an alphanumeric variable. This error may also occur if the WITH clause of a FIND statement contains a non-descriptor.
Action	Check program and correct error.

NAT0129: The specified set name is longer than 32 characters.

Text	The specified set name is longer than 32 characters.
Explanation	The name for a set in a RETAIN AS clause may be specified as an alphanumeric constant or the content of an alphanumeric variable. The set name must not be longer than 32 characters.
Action	Check program and correct error.

NAT0130: No "/" allowed immediately before keywords HORIZ or VERT.

Text	No "/" allowed immediately before keywords HORIZ or VERT.
Explanation	The keywords HORIZ(ONTALLY) and VERT(ICALLY) indicate the initiation of a new output column. As a new column cannot be placed underneath an already processed column, the character "/" - which indicates that the next element is to be placed under the previous one - cannot be used before the keywords HORIZ, VERT, HORIZONTALLY, VERTICALLY.
Action	Check program and correct error.

NAT0131: GET TRANSACTION DATA needs at least one variable.

Text	GET TRANSACTION DATA needs at least one variable.
Explanation	The GET TRANSACTION DATA statement must contain at least one variable in which the transaction data can be placed. This error may be caused by a misspelt variable name or by an invalid character in a variable name.
Action	Check program and correct error.

NAT0132: Operand not defined or not of alphanumeric/binary format.

Text	Operand not defined or not of alphanumeric/binary format.
Explanation	The variable that is examined in an EXAMINE statement must have been defined before, and it must be of alphanumeric or binary format.
Action	Check program and correct error.

NAT0134: Error in NUMBER option of EXAMINE statement.

Text	Error in NUMBER option of EXAMINE statement.
Explanation	The error may be caused by misspelling a variable name. The NUMBER variable must be of a numeric format ("N", "P" or "I"). The NUMBER variable must be an integer. See the Natural EXAMINE statement documentation for further information.
Action	Correct error in program.

NAT0135: DELETE/REPLACE/GIVING clause missing in EXAMINE statement.

Text	DELETE/REPLACE/GIVING clause missing in EXAMINE statement.
Explanation	The EXAMINE statement requires at least one of the following clauses: REPLACE DELETE GIVING NUMBER GIVING POSITION GIVING LENGTH GIVING INDEX See the Natural EXAMINE statement documentation for further information.

Action	Correct error in program.

NAT0136: Error in EXAMINE TRANSLATE statement.

Text	Error in EXAMINE TRANSLATE statement.
Explanation	In an EXAMINE TRANSLATE statement, the keyword "TRANSLATE" must be followed by "INTO UPPER", "INTO LOWER", or a USING clause. See the Natural documentation for further information on the EXAMINE TRANSLATE statement.
Action	Correct error in program.

NAT0137: No object specified in RELEASE statement.

Text	No object specified in RELEASE statement.
Explanation	Possible objects to be released are: STACK - release all data items from the stack. PARAMETERS - release all parameters built during the session. SETS - release all FIND sets. SET set name - release one specific FIND set.
Action	Check program and correct error.

NAT0138: Identifier for FIND set must be alpha and <= 32 bytes.

Text	Identifier for FIND set must be alpha and <= 32 bytes.
Explanation	The identifier may be specified as an alphanumeric constant or the contents of an alphanumeric variable. The contents of the variable will be used to identify the FIND set. The alphanumeric value can only be up to 32 bytes long because this is the maximum length of a FIND set identification.

Action	Check program and correct error.

NAT0139: At least 1 data item must be specified in STACK statement.

Text	At least 1 data item must be specified in STACK statement.
Explanation	Constants or variables of the formats "A", "N" or "B" may be used as data items in a STACK statement. At least one of these items must be present in a STACK statement.
Action	Check program and correct error.

NAT0140: "NOT" is only possible after "AND" operation.

Text	"NOT" is only possible after "AND" operation.
Explanation	Exclusion of a set can only be done when the set name is preceded by the logical operator "AND" and followed by the operator "NOT". The set will then be excluded from the number of records that were selected up to that point.
Action	Restructure the logical criteria to place the set to be excluded after an AND operation.

NAT0141: Invalid keyword specified in SET GLOBALS statement.

Text	Invalid keyword specified in SET GLOBALS statement.
Explanation	The valid keywords for the SET GLOBALS statement are described in the Natural documentation.

Action	Check program and correct error.

NAT0142: Invalid value for keyword in SET GLOBALS statement.

Text	Invalid value for keyword in SET GLOBALS statement.
Explanation	The value for a SET GLOBALS keywords can be supplied as a constant or as a variable. If a constant is supplied, it must be alphanumeric or numeric and have a correct value; for example: PS must be numeric and in the range from 0 to 250. If a variable is supplied, it must also be of the correct type. If it is numeric, it must be an integer. See the Natural documentation for further information on the SET GLOBALS statements.
Action	Check program and correct error.

NAT0143: Invalid format for value in SET GLOBALS statement.

Text	Invalid format for value in SET GLOBALS statement.
Explanation	The SET GLOBALS keyword in question requires an alphanumeric value. The alphanumeric value can be specified as a constant or as the content of an alphanumeric variable (format A).
Action	Check program and correct error.

NAT0145: Invalid format for value in SET GLOBALS statement.

Text	Invalid format for value in SET GLOBALS statement.

Explanation	See the Natural session parameters documentation to determine the possible values for the SET GLOBALS keywords. Valid formats are integer numeric for keywords whose values are numeric and alphanumeric for keywords whose possible values are "ON/OFF" or alphanumeric characters. The values "T/F" may be used as synonyms for "ON/OFF" respectively. For example: SET GLOBALS EJ=OFF has the same meaning as SET GLOBALS EJ=F
Action	Check program and correct error.

NAT0146: Invalid syntax in SET GLOBALS statement.

Text	Invalid syntax in SET GLOBALS statement.
Explanation	The syntax of the SET GLOBALS statement requires that each parameter be followed by the assignment character "=", which in turn is to be followed by the value for the parameter.
Action	Check program and correct error.

NAT0147: No command supplied in STACK statement.

Text	No command supplied in STACK statement.
Explanation	The COMMAND option of the STACK statement was specified, but no command was provided.
Action	Check program and correct error.

NAT0148: Invalid format for variable in TERMINATE statement.

Text	Invalid format for variable in TERMINATE statement.
Explanation	Only variables of format "N", "I" or "P" are permitted with the TERMINATE statement. The value must lie between 0 and 255.
Action	Check program and correct error.

NAT0149: Format error in MOVE EDITED statement.

Text	Format error in MOVE EDITED statement.
Explanation	A field used in a MOVE EDITED statement for which an edit mask has not been defined, must be defined with alphanumeric (A), binary (B) or Unicode (U) format.
Action	Check program and correct error.

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NAT0150: Edit mask missing in MOVE EDITED statement.

Text	Edit mask missing in MOVE EDITED statement.
Explanation	A MOVE EDITED statement requires the specification of an edit mask for the sending field or the receiving field. The specification of (EM=OFF) is not allowed.
Action	Check program and correct error.

NAT0151: Invalid map name in INPUT statement.

Text	Invalid map name in INPUT statement.
Explanation	The name of a map to be used in an INPUT statement can be specified as a literal constant or the content of an alphanumeric variable. If a variable is used, it must have been previously defined.
Action	Check program and correct error.

NAT0152: Invalid map format in INPUT statement.

Text	Invalid map format in INPUT statement.
Explanation	The name of a map to be used in an INPUT statement may be specified as a literal alphanumeric constant or the content of an alphanumeric variable. If a variable is used, it must have been previously defined.
Action	Check program and correct error.

NAT0153: Format definition not allowed for a group name.

Text	Format definition not allowed for a group name.
Explanation	A group name is used to refer to a collection of fields as a single structure. Since this structure is defined by the formats of these fields, the group name need not have a format definition. If a field of one format is to be redefined as fields of differing formats, the REDEFINE statement should be used. Another possible cause of this error is that the level number of the next variable definition is higher than that of the variable marked, although both variables should probably be at the same level.
Action	Remove the format definition at the group name level, or make sure that the level numbers are correct.

NAT0155: Map name must not be longer than 7 characters.

Text	Map name must not be longer than 7 characters.
Explanation	A map name can be specified as a literal constant or the content of an alphanumeric variable. The maximum length of a map name is 7 characters.

Action	Check program and correct error.

NAT0158: Invalid group specification in MOVE BY NAME statement.

Text	Invalid group specification in MOVE BY NAME statement.
Explanation	The operands to be specified in a MOVE BY NAME statement must be valid and existing group names. They may also be user views. Individual field names cannot be specified. If a user view is used, it must not be qualified with a statement label or source-code line number.
Action	Check program and correct error.

NAT0159: Fields in MOVE BY NAME or MOVE BY POSITION do not match.

Text	Fields in MOVE BY NAME or MOVE BY POSITION do not match.
Explanation	For MOVE BY NAME no matching names were found. At least one field with the same name must exist in both groups. For MOVE BY POSITION the number of fields in the referenced groups do no match.
Action	Check program and correct error.

NAT0160: Invalid descriptor in READ LOGICAL statement.

Text	Invalid descriptor in READ LOGICAL statement.
Explanation	Descriptors that are multiple-valued are not permitted in the THRU or ENDING AT clause of a READ statement. Phonetic descriptors must not be used in a READ statement. A field contained in a PE-group may not be used as search-field in a READ statement.

Action	Check program and correct error.

NAT0161: ROUNDED clause not allowed with DIVIDE REMAINDER.

Text	ROUNDED clause not allowed with DIVIDE REMAINDER.
Explanation	In a DIVIDE statement, you can use either the ROUNDED option to have the result of the division rounded, or the REMAINDER option to have the remainder of the division placed into a separate field. As there can be no remainder with a rounded result, it obviously makes no sense to use both options at the same time and is therefore not permitted.
Action	Use ROUNDED option or REMAINDER option, but not both.

NAT0162: Floating format not allowed for DIVIDE REMAINDER.

Text	Floating format not allowed for DIVIDE REMAINDER.
Explanation	When you use the REMAINDER option in a DIVIDE statement, the format of the divisor and the dividend must not be "F" (floating point).
Action	Check program and correct error.

NAT0163: Specification of level missing in DEFINE DATA statement.

Text	Specification of level missing in DEFINE DATA statement.
Explanation	In a DEFINE DATA statement, there must be an integer level number before each variable, group, view, REDEFINE definition.

Action	Check program and correct error.

NAT0164: Illegal syntax for variable name.

Text	Illegal syntax for variable name.
Explanation	- In a DEFINE DATA statement, the level specification must be followed by a valid name of a variable, group or view. - In a DEFINE DATA INDEPENDENT statement, - a variable name has to start with a "+" character (AIV variable); - the name of a field resulting from the redefinition of an AIV variable must not start with a "+" character. - A variable name starting with "+" (AIV) cannot be used in a PARAMETER, OBJECT, LOCAL or CONTEXT clause of a DEFINE DATA statement. See Natural Statements / Statement Usage Related Topics / User-Defined Variables / Naming Conventions and DEFINE DATA statement, for rules on naming variables.
Action	Correct error in program.

NAT0165: Inconsistency in data structure of variable definition.

Text	Inconsistency in data structure of variable definition.
Explanation	An inconsistency in the data structure of a statement has been detected. This error may occur in the following statements: - DEFINE DATA - DEFINE FUNCTION (RETURNS clause) - DEFINE PROTOTYPE (RETURNS clause)
Action	Check the specifications of levels and variable definitions.

NAT0166: Invalid variable definition in DEFINE DATA statement.

Text	Invalid variable definition in DEFINE DATA statement.
Explanation	An invalid definition of the DEFINE DATA statement has been detected.
Action	Check and correct variable definition.

NAT0167: Duplicate specification of a view name detected.

Text	Duplicate specification of a view name detected.
Explanation	View names in the data structure of a program must be unique.
Action	Check view names of each GLOBAL, PARAMETER and LOCAL data structure.

NAT0168: INTO constant not allowed in DIVIDE without GIVING clause.

Text	INTO constant not allowed in DIVIDE without GIVING clause.
Explanation	If your DIVIDE statement does not have a GIVING clause, the result will be place into the operand after keyword "INTO"; in this case, the INTO operand cannot be a constant. If you require the INTO operand to be a constant, use a GIVING clause to specify a result field.
Action	Check program and correct error.

NAT0169: Error in format/length or in EM, HD, PM definition.

Text	Error in format/length or in EM, HD, PM definition.
Explanation	One of the following is invalid for a field definition in the DEFINE DATA statement: - format (valid formats are A,U,B,C,D,F,I,L,N,P,T); - specified length; - combination of format and length (valid lengths for formats A and B are 1-1073741824; for format U is 1-536870912; for format F is 4 or 8; for format I is 1, 2 or 4; no length value may be specified for formats C, D, L, T); - number of positions before or after the decimal point for formats N,P (in the notation Nnn.m or Pnn.m, valid values for nn are 0-29, valid values for m are 0-29, and the sum nn+m must be in the range 1-29). Or one of the parameters EM (edit mask), HD (header), or PM (presentation mode) has not been specified correctly. See the Natural DEFINE DATA statement documentation for details.
Action	Check program and correct error.

NAT0170: A variable must be specified in INTO clause of SEPARATE.

Text	A variable must be specified in INTO clause of SEPARATE.
Explanation	A variable, not a constant, must be specified with the INTO clause of the SEPARATE statement.
Action	Check program and correct error.

NAT0172: The INTO clause is missing in a SEPARATE statement.

Text	The INTO clause is missing in a SEPARATE statement.

Explanation	The keyword "INTO", followed by one or more operands, is required in a SEPARATE statement.
Action	Check program and correct error.

NAT0173: The keyword "NUMBER" is missing in a GIVING clause.

Text	The keyword "NUMBER" is missing in a GIVING clause.
Explanation	If "GIVING" is used, the keyword "NUMBER" is also required.
Action	Check program and correct error.

NAT0174: Field after NUMBER/POSITION must be numeric integer (N,I,P).

Text	Field after NUMBER/POSITION must be numeric integer (N,I,P).
Explanation	The field specified in the GIVING NUMBER or REMAINDER POSITION clause of a SEPARATE statement must be a numeric integer; that is, its format must be one of the following: - I - N (without decimal digits) - P (without decimal digits)
Action	Check program and correct error.

NAT0175: Source field and at least one target field are required.

Text	Source field and at least one target field are required.

Explanation	The source field in a SEPARATE statement may be an alphanumeric constant or variable. At least one target field, which must be an alphanumeric variable, must be specified.
Action	Check program and correct error.

NAT0176: Error in POSITION field of EXAMINE statement.

Text	Error in POSITION field of EXAMINE statement.
Explanation	The error may be caused by misspelling a variable name used as a reference to the POSITION variable. The variable must be of numeric format (N, I or P), and it must also be an integer (no decimal digits).
Action	Check program and correct error.

NAT0177: Error in LENGTH field of EXAMINE statement.

Text	Error in LENGTH field of EXAMINE statement.
Explanation	The error may be caused by misspelling a variable name used as reference to the LENGTH variable. This variable must be of numeric format (N,I,B or P), and it must be an integer (no decimal digits).
Action	Check program and correct error.

NAT0178: Error in INDEX field of EXAMINE statement.

Text	Error in INDEX field of EXAMINE statement.

Explanation	The error may be caused by misspelling a variable name used as reference to an INDEX variable. The variables must be of numeric format (N,I,B or P), and they must be integers (no decimal digits). The number of INDEX variables must equal the number of dimensions contained in the examined array.
Action	Check program and correct error.

NAT0179: Invalid keyword in GIVING clause of EXAMINE statement.

Text	Invalid keyword in GIVING clause of EXAMINE statement.
Explanation	The following keywords are valid after GIVING: NUMBER POSITION LENGTH INDEX If more than one keyword is specified, they must be specified in the order indicated above.
Action	Check program and correct error.

NAT0180: Word "TEXT" missing after "WITH" in INPUT statement.

Text	Word "TEXT" missing after "WITH" in INPUT statement.
Explanation	The word "TEXT" is a required part of the WITH TEXT clause.
Action	Check program and correct error.

NAT0181: Error in specification of a variable in WITH TEXT clause.

Text	Error in specification of a variable in WITH TEXT clause.
Explanation	See the Natural documentation, INPUT or REINPUT statement, for details.
Action	Correct error in program.

NAT0182: Invalid parameter list for WITH TEXT clause.

Text	Invalid parameter list for WITH TEXT clause.
Explanation	See the Natural documentation, INPUT or REINPUT statement, for details.
Action	Correct error in program.

NAT0183: No more than 9 parameters allowed in WITH TEXT clause.

Text	No more than 9 parameters allowed in WITH TEXT clause.
Action	Check program and correct error.

NAT0184: Specification error in variable of MARK clause.

Text	Specification error in variable of MARK clause.
Explanation	The variable must be a numeric integer and must have been previously defined.

Action	Check program and correct error.

NAT0185: Keyword "ALARM" is required after "AND" or "SOUND".

Text	Keyword "ALARM" is required after "AND" or "SOUND".
Explanation	The keyword "ALARM" is a required keyword to identify the ALARM option; the keywords "AND" and "SOUND" may be omitted.
Action	Check program and correct error.

NAT0186: Keywords DO and DOEND not permitted in structured mode.

Text	Keywords DO and DOEND not permitted in structured mode.
Explanation	You wanted to use a DO/DOEND statement group in structured mode; however, DO/DOEND statement groups are only permitted in reporting mode. In structured mode, explicit END-... statements are used to indicate the end of a statement block; for example: AT BREAK DO...DOEND becomes AT BREAK...END-BREAK AT END OF DATA DO...DOEND becomes AT END OF DATA...END-ENDDATA AT END OF PAGE DO...DOEND becomes AT END OF PAGE...END-ENDPAGE AT START OF DATA DO...DOEND becomes AT START OF DATA...END-START AT TOP OF PAGE DO...DOEND becomes AT TOP OF PAGE...END-TOPPAGE IF...DO..DOEND ELSE DO...DOEND becomes IF...THEN...ELSE...END-IF ON ERROR DO...DOEND becomes ON ERROR...END-ERROR BEFORE BREAK DO...DOEND becomes BEFORE BREAK...END-BEFORE PERFORM BREAK DO...DOEND becomes PERFORM BREAK...END-BREAK
Action	Select reporting mode or use the correct syntax.

NAT0187: The LOOP statement is not permitted in structured mode.

Text	The LOOP statement is not permitted in structured mode.
Explanation	You wanted to use the statement LOOP in structured mode; however, the LOOP statement is only permitted in reporting mode. In structure mode, a loop is not closed with a LOOP statement but with an explicit loop-closing END-... statement; for example: Reporting Mode: FIND ... LOOP Structured Mode: FIND ... END-FIND
Action	Select reporting mode or use structured mode syntax.

NAT0188: SORT without END-ALL is not permitted in structured mode.

Text	SORT without END-ALL is not permitted in structured mode.
Explanation	In structured mode, a processing loop initiated with a SORT statement must be closed with an END-ALL statement.
Action	Check program and correct error.

NAT0189: END-ALL must be followed by SORT in structured mode.

Text	END-ALL must be followed by SORT in structured mode.
Action	Check program and correct error.

NAT0190: Invalid placement of UNTIL or WHILE clause.

Text	Invalid placement of UNTIL or WHILE clause.
Explanation	An UNTIL or WHILE clause must be specified either immediately after the keyword "REPEAT" or immediately before the "END-REPEAT". Examples: 1. REPEAT UNTIL logical-condition statements END-REPEAT 2. REPEAT statements UNTIL logical-condition END-REPEAT
Action	Check program and correct error.

NAT0191: Loop-ending statement missing after UNTIL/WHILE.

Text	Loop-ending statement missing after UNTIL/WHILE.
Explanation	In structured mode, a REPEAT ... UNTIL/WHILE processing loop must be closed with "END-REPEAT". In reporting mode, it must be closed with "LOOP".
Action	Check program and correct error.

NAT0192: Destination missing in ESCAPE statement.

Text	Destination missing in ESCAPE statement.
Explanation	The ESCAPE statement requires extra keywords to specify the destination: - ESCAPE TOP - ESCAPE BOTTOM or ESCAPE BOTTOM IMMEDIATE - ESCAPE ROUTINE or ESCAPE ROUTINE IMMEDIATE See the Natural documentation for more information.

Action	Correct error in program.

NAT0193: Keyword "ON" or "FOR" missing in DECIDE statement.

Text	Keyword "ON" or "FOR" missing in DECIDE statement.
Explanation	The keyword "DECIDE" must be followed either by "ON" or by "FOR".
Action	Check program and correct error.

NAT0194: Invalid syntax in DECIDE FOR statement.

Text	Invalid syntax in DECIDE FOR statement.
Explanation	See the Natural documentation for information on the correct syntax of the DECIDE FOR statement.
Action	Correct error in program.

NAT0195: Specified field must not be an array range.

Text	Specified field must not be an array range.
Action	Check program and correct error.

NAT0196: GIVING INDEX is only allowed for indexable variables.

Text	GIVING INDEX is only allowed for indexable variables.

Action	Check program and correct error.

NAT0197: Variable format not permitted in this statement.

Text	Variable format not permitted in this statement.
Explanation	1. A variable of format "C" is not permitted in a DISPLAY, WRITE, INPUT, PRINT, STACK, RUN and FETCH statement. 2. A variable of format HANDLE OF OBJECT can not be used in this statement.
Action	Check program and correct error.

NAT0198: No more than 128 parameters allowed in CALL statement.

Text	No more than 128 parameters allowed in CALL statement.
Explanation	The maximum number of parameters in a CALL statement is 128.
Action	Check program and correct error.

NAT0199: Label defined twice or same as view/level-1-variable name.

Text	Label defined twice or same as view/level-1-variable name.
Explanation	Within a Natural module, a label must not be equal to another label, a view name or a variable name defined on level 1.
Action	Check program and correct error.

6 Natural System Error Messages 0200-0249

NAT0200: Error in INCLUDE source lines.

Text	Error in INCLUDE source lines.
Explanation	See Natural INCLUDE statement documentation for more information.
Action	Check program and correct error.

NAT0207: REDEFINE group not allowed in DEFINE DATA PARAMETER.

Text	REDEFINE group not allowed in DEFINE DATA PARAMETER.
Explanation	Only elementary fields may be defined in a DEFINE DATA PARAMETER statement.
Action	Check program and correct error.

NAT0214: Specify "FIRST" or "EVERY" in DECIDE statement.

Text	Specify "FIRST" or "EVERY" in DECIDE statement.
Explanation	See the Natural documentation for detailed information on the DECIDE statement.
Action	Check program and correct error.

NAT0215: Keyword "VALUE" missing in DECIDE ON statement.

Text	Keyword "VALUE" missing in DECIDE ON statement.
Explanation	The keyword "VALUE" (or "VALUES") is a required part of the DECIDE ON syntax.
Action	Check program and correct error.

NAT0216: Invalid field specification in DECIDE ON statement.

Text	Invalid field specification in DECIDE ON statement.
Explanation	See the Natural documentation for information on how to specify fields correctly in a DECIDE ON statement.
Action	Check program and correct error.

NAT0218: Error in construction of DECIDE ON/DECIDE FOR statement.

Text	Error in construction of DECIDE ON/DECIDE FOR statement.
Explanation	See the Natural documentation for information on the correct syntax for the statements DECIDE FOR and DECIDE ON.
Action	Check program and correct error.

NAT0219: ALL clause is only allowed with DECIDE FOR/ON EVERY.

Text	ALL clause is only allowed with DECIDE FOR/ON EVERY.
Explanation	The ALL clause can only be used with DECIDE FOR EVERY and DECIDE ON EVERY, not for DECIDE FOR FIRST or DECIDE ON FIRST.
Action	Check program and correct error.

NAT0220: Invalid statement :1:.

Text	Invalid statement ....
Explanation	Possible reasons: 1. Depending on the programming mode (structured/reporting mode), keywords are missing (e.g., "COMPUTE" and "ASSIGN" must not be omitted when using ROUNDED in structured mode). 2. The statement is not suitable for this object type (e.g., DEFINE SUBROUTINE must not be the first statement in an object of type function). 3. A compatibility switch is set (e.g., the profile parameter V41MFCOMP), which causes some statements to be disallowed.

Action	1. Add the missing keywords. 2. Change the object type or the statement. 3. Switch off the compatibility switch.

NAT0222: Syntactical errors prevent execution of program.

Text	Syntactical errors prevent execution of program.
Explanation	In batch mode, Natural always continues the syntax checking of a program even after an error has been detected. A program containing a syntactical error cannot be executed because the compiled code does not agree with the source input.
Action	Check program and correct error.

NAT0223: Keyword "MAP" or "FORM" is required after "USING".

Text	Keyword "MAP" or "FORM" is required after "USING".
Action	Check program and correct error.

NAT0224: Input map in WRITE or write map in INPUT statement.

Text	Input map in WRITE or write map in INPUT statement.
Explanation	Either you have specified in a WRITE USING MAP statement the name of a map which is an input map, not an output map; or you have specified in an INPUT USING MAP statement the name of a map which is an output map, not an input map. Whether a map is an input or output (write) map is indicated in its Map Settings.

Action	Check program and correct error.

NAT0225: GIVING LENGTH is only valid for non-indexable variables.

Text	GIVING LENGTH is only valid for non-indexable variables.
Action	Check program and correct error.

NAT0226: An empty statement block is not allowed.

Text	An empty statement block is not allowed.
Explanation	The only way of having a statement block which does nothing is by filling it with an IGNORE statement.
Action	Correct error in program.

NAT0227: Invalid variable/constant in DELIMITER clause.

Text	Invalid variable/constant in DELIMITER clause.
Explanation	If the receiving field of the COMPRESS statement is of format - alphanumeric or binary, the delimiter format has to be A1, B1 or U1. - Unicode, the delimiter format has to be A1, B2 or U1.
Action	Check program and correct error.

NAT0228: Block structure of GDA must be specified in WITH clause.

Text	Block structure of GDA must be specified in WITH clause.
Explanation	In this GDA, a block structure is defined. The block structure must be specified in the WITH clause of DEFINE DATA GLOBAL USING.
Action	Check program and correct error.

NAT0229: Invalid use of WITH clause in UPDATE or STORE statement.

Text	Invalid use of WITH clause in UPDATE or STORE statement.
Explanation	If an UPDATE or STORE statement is based on a view defined with DEFINE DATA or within a data area, the use of the WITH clause is not permitted. An UPDATE or STORE statement always includes all fields when it applies to a view.
Action	Remove the WITH clause from the UPDATE/STORE statement.

NAT0230: Operand type not supported.

Text	Operand type not supported.
Explanation	Operands defined as - HANDLE or UNICODE, - alphanumeric/binary DYNAMIC, - alphanumeric with a length of more than 253 bytes, or - binary with a length of more than 126 bytes are not supported at this position.

Action	Check program and correct error.

NAT0231: Only NSD in linkage attributes allowed here.

Text	Only NSD in linkage attributes allowed here.
Explanation	An NSD attribute is an element associated with a view. In a FIND statement, one expects an attribute name after the "VIA" keyword in a REFERENCED, REFERENCING or RECURSIVELY clause. In a SHOW statement, one expects attributes after SHOW, or SHOW RECURSIVELY, in brackets as follows: SHOW ATTR1(ATTR2(ATTR3))
Action	Check that the attribute is found in the view specified by "L F <view-name>" and correct the source accordingly.

NAT0232: Operand of type DYNAMIC not allowed at this position.

Text	Operand of type DYNAMIC not allowed at this position.
Explanation	Alphanumeric or binary operands defined as DYNAMIC cannot be used at this position.
Action	Replace DYNAMIC field with FIXED length field.

NAT0233: Level number must be numeric integer.

Text	Level number must be numeric integer.
Explanation	This refers to the level of recursion a FIND statement execution is to go to. The level number must be numeric. For further information, please refer to the FIND statement, UNTIL clause, in the Entire DB Programmer"s Guide.

Action	Correct error in program.

NAT0234: "ERE SET" must start with a category name.

Text	"ERE SET" must start with a category name.
Explanation	In a FIND statement, after the FIND header for an Entire view, the syntax logic searches for components called "ERE SET"s. An "ERE SET" begins with a view name and ends with a search criterion. The search criterion finishes when a Natural keyword or the view name of the next "ERE SET" is encountered. When neither of these conditions is met, this error appears; and the syntax analysis cannot proceed.
Action	Check source code and correct error.

NAT0235: ISN must be an integer value.

Text	ISN must be an integer value.
Explanation	In a FIND statement, ISN values in the RELATIONSHIP or ISN clauses of the basic search criterion must be integer values. The ISNs found are numeric, but not integer values. For further information, please refer to the FIND statement, RELATIONSHIP and ISN clauses of the basic search criterion, in the Entire DB Programmer"s Guide.
Action	Correct error in program.

NAT0236: Equal sign "=" missing after Entire keyword.

Text	Equal sign "=" missing after Entire keyword.
Explanation	This error can occur in two Entire statements: 1) FIND view-name WITH ISN = 12335 The equal sign is necessary in the ISN clause of the basic search criterion of the FIND statement. 2) DLOGON USER = "XXX" PASSWORD = "YYY" LIBRARY = "LLL" APPLICATION = "AER" AUTHORIZATION = A In this syntax form of the DLOGON statement, the equal sign must follow each keyword. For further information, see FIND and DLOGON statements in the Entire DB Programmer"s Guide.
Action	Correct error in program.

NAT0237: Unmatched closing parenthesis.

Text	Unmatched closing parenthesis.
Explanation	Entire DB checks whether each opening parenthesis is paired with a corresponding closing parenthesis.
Action	Correct error in program.

NAT0238: Invalid operator in descriptor search criterion.

Text	Invalid operator in descriptor search criterion.
Explanation	In a FIND statement, the following relational operators are valid in a descriptor search criterion: = (equal to) <> (not equal) < (less than) <= (less than or equal to) > (greater than) >= (greater than or equal to) In descriptor search criteria (following WITH), only the above operators

	are allowed after the attribute (NAME or LINE-NUMBER). See the description of the FIND statement the in Entire DB Programmer"s Guide for further information.
Action	Correct descriptor search criterion.

NAT0239: Move values for Entire must be integer values.

Text	Move values for Entire must be integer values.
Explanation	A move value is a constant or variable moved into the search buffer of an Entire call at runtime. When this message appears, a numeric value is expected: integer, numeric unpacked or packed without decimal digits, but not binary.
Action	Correct error in program.

NAT0240: Operand format invalid. Format :1: expected.

Text	Operand format invalid. Format ... expected.
Explanation	The format of this operand is invalid. For further information on valid formats, see the operand definition table of this statement.
Action	Supply a valid operand format.

NAT0242: Open bracket "(" expected.

Text	Open bracket "(" expected.

Explanation	Entire DB checks for open parentheses in the NATIVE and RELATIONSHIP clauses of the FIND statement. Clause elements must be enclosed in parentheses. See FIND statement in the Entire DB Programmer"s Guide for further information.
Action	Correct error in program.

NAT0243: Syntax error in DEFINE DATA statement/structure.

Text	Syntax error in DEFINE DATA statement/structure.
Explanation	See the Natural documentation for information on the correct syntax of the DEFINE DATA statement.
Action	Check program and correct error.

NAT0244: "GLOBAL" must be followed by "USING" and GDA name.

Text	"GLOBAL" must be followed by "USING" and GDA name.
Explanation	A global data area (GDA) is always a separate object, never part of the data definition within the DEFINE DATA statement of a program. The GDA is referenced in the GLOBAL clause of the DEFINE DATA statement with the following syntax: DEFINE DATA GLOBAL USING name-of-gda ... END-DEFINE
Action	Check program and correct error.

NAT0245: Invalid use/order of clauses in DEFINE DATA statement.

Text	Invalid use/order of clauses in DEFINE DATA statement.
Explanation	The sequence of clauses in the DEFINE DATA statement is: DEFINE DATA GLOBAL USING PARAMETER OBJECT LOCAL In a subsequent validation rule, only DEFINE DATA LOCAL is allowed.
Action	Make sure that the clauses are in the correct order.

NAT0246: Formats "C", "L" and HANDLE OF OBJECT not allowed here.

Text	Formats "C", "L" and HANDLE OF OBJECT not allowed here.
Explanation	Data types "C" (control) and "L" (logical) cannot be used in: - GET TRANSACTION DATA statement, - END TRANSACTION statement, - sort criteria of a SORT statement. Data type HANDLE OF OBJECT cannot be used in: - GET TRANSACTION DATA statement, - END TRANSACTION statement, - SORT statement.
Action	Check program and correct error.

NAT0247: Error during processing of parameter :1:.

Text	Error during processing of parameter ....
	When an INPUT/WRITE USING MAP or a PROCESS PAGE USING statement is used with a constant map or adapter name and without explicit parameters, the names of the fields to be processed are taken dynamically from the map or adapter source at compilation. This requires that the same field names with the same array structure be defined in both the program and the map or adapter. The indicated

Explanation	variable name is either not defined or the number of array dimensions does not match.
Action	Check the indicated data field. The variable definition in the program should be same as in the map or adapter.

NAT0248: Invalid USING variable in PROCESS statement.

Text	Invalid USING variable in PROCESS statement.
Explanation	The left part of the ASSIGN variable in the USING clause of the PROCESS statement must be part of the view defined to Natural PROCESS.
Action	Check program and correct error.

NAT0249: Error in "ASSIGN" of Natural PROCESS "USING" clause.

Text	Error in "ASSIGN" of Natural PROCESS "USING" clause.
Action	Check program and correct error.

7 Natural System Error Messages 0250-0299

NAT0250: Error in GIVING clause of Natural "PROCESS" statement.

Text	Error in GIVING clause of Natural "PROCESS" statement.
Action	Check program and correct error.

NAT0251: File/DDM not defined for PROCESS statement.

Text	File/DDM not defined for PROCESS statement.
Action	Check program and correct error.

NAT0252: Library must not be specified in security environment.

Text	Library must not be specified in security environment.
Explanation	In an environment which is protected by Natural Security, the specification of a library is not possible.

Action	Do not specify a library.

NAT0253: Statement not allowed for Db2 access.

Text	Statement not allowed for Db2 access.
Explanation	The following statements and constructions are not supported by Db2: 1. FIND UNIQUE 2. FIND COUPLED 3. FIND FIRST 4. FIND ... RETAIN AS 5. GET 6. any reference to *ISN 7. END TRANSACTION within an open database loop 8. BACKOUT TRANSACTION within an open database loop
Action	Correct error in program.

NAT0254: Receiving field of VAL function has invalid format.

Text	Receiving field of VAL function has invalid format.
Explanation	The VAL function extracts a numeric value from an alphanumeric or Unicode field. The content of the field must be the character representation of a numeric value. Leading or trailing blanks are permitted. Decimal character and leading sign character will be processed. The result can be assigned to a field of format Packed, Numeric, Floating, Integer, Date or Time.
Action	Do not assign the result of the VAL function to a field with a format other than P/N/F/I/D/T.

NAT0255: General syntax error detected in program.

Text	General syntax error detected in program.
Explanation	A general syntax error was detected while syntax checking a source program. This message is output for various miscellaneous syntax errors for which Natural does not provide specific error messages.
Action	Check program and correct error.

NAT0256: Invalid entry in command line.

Text	Invalid entry in command line.
Explanation	The structure of the command does not require the parameters that have been specified in the command line. Natural checks that the parameter specification agrees with the parameter structure expected by the individual command. Another reason for this error is that ADHOC is missing in batch mode.
Action	Check command structure and resubmit.

NAT0257: Only operators "EQUAL", "NOTEQUAL" valid with MASK/SCAN.

Text	Only operators "EQUAL", "NOTEQUAL" valid with MASK/SCAN.
Explanation	It is not possible to evaluate the operators GREATER or LESS THAN for a value when only certain positions are included in the comparison. Therefore, the only logical operator that are allowed with the special compare function MASK and SCAN are "EQUAL" and "NOTEQUAL".

Action	Restructure the logical criteria to only use operators "EQUAL" or "NOTEQUAL" with the functions MASK and SCAN.

NAT0258: Incorrect MASK argument construction.

Text	Incorrect MASK argument construction.
Explanation	The mask value must be enclosed in parentheses and may only contain the elements as described in the Natural documentation; see also extended error message NAT0017.
Action	Check program and correct error.

NAT0259: Invalid MASK construction for date check.

Text	Invalid MASK construction for date check.
Explanation	When a date check is to be performed, the specification for month/day/year must be 2 characters each (MM/DD/YY); for year, 4 characters (YYYY) may also be used.
Action	Check program and correct error.

NAT0260: Error in text list construction; contact administrator.

Text	Error in text list construction; contact administrator.
Explanation	A discrepancy was detected in the number of alternative entries in the text list and the syntax list. The error is caused by an invalid modification of the text list. New entries can only be inserted in the text list by using the macro CSYN for synonym, not the macro CALT for alternative.

Action	Retain the keyword on which the error has been detected and contact your Natural administrator.

NAT0261: END statement missing.

Text	END statement missing.
Explanation	The last statement of a Natural program must always be END. Alternatively, a period "." may be used.
Action	Check program and correct error.

NAT0262: Incorrect number of digits, or value out of range.

Text	Incorrect number of digits, or value out of range.
Explanation	For a field of format N or P, the overall maximum number of digits is 29, and the maximum number of digits after the decimal point is 29. For a field of format F, the value specified must be in the range of values as described in the Natural documentation on floating-point constants.
Action	Correct error in program.

NAT0263: Invalid MASK construction for range check.

Text	Invalid MASK construction for range check.
Explanation	If a range check is to be performed, both values for the supplied range must have the same number of positions. Leading zeros must be supplied, as it is a check for positions in the value and the number of digits supplied in the range value. The number of positions to be included in the range check must also be specified.

Action	Check program and correct error.

NAT0264: Length of alphanumeric or unicode constant is zero.

Text	Length of alphanumeric or unicode constant is zero.
Explanation	The length of an alphanumeric or unicode constant must be greater than zero.
Action	Check program and correct error.

NAT0265: Error in hexadecimal constant: :1:.

Text	Error in hexadecimal constant: ....
Explanation	1) Invalid hexadecimal character found. A hexadecimal constant may consist only of characters 0-9 or A-F. 2) Invalid number of characters specified. - The hexadecimal notation for constants of format A (H"..") requires 2 characters to represent one byte. Therefore, the number of hexadecimal characters supplied must be a multiple of 2. - The hexadecimal notation for constants of format U (UH"..") requires 4 characters to represent one Unicode code unit. Therefore, the number of hexadecimal characters supplied must be a multiple of 4.
Action	Correct error.

NAT0266: Number of bytes defined by hexadecimal constant > 80.

Text	Number of bytes defined by hexadecimal constant > 80.

Explanation	Hexadecimal constants are converted to internal byte representation in an intermediate buffer of 80 bytes. If literal constants of more than 80 bytes internal representation are to be defined, use the notation "XXXXXX"-"XXXXXX" to enter the value in multiple segments.
Action	Check program and correct error.

NAT0267: Invalid file specification in COUPLED clause.

Text	Invalid file specification in COUPLED clause.
Explanation	The file specified in a COUPLED clause must be an Adabas file which has been physically coupled using the appropriate Adabas utility program. The file must not be a logical Natural system file.
Action	Check program and correct error; or contact your Natural administrator about the file status.

NAT0268: Invalid format/length for database count variable.

Text	Invalid format/length for database count variable.
Explanation	The format of the count variable for a periodic-group name or multiple-value field must be N or P. No decimal digits are permitted.
Action	Check program and correct error.

NAT0269: Invalid descriptor in SORTED BY clause.

Text	Invalid descriptor in SORTED BY clause.
Explanation	The descriptor specified in the SORTED BY clause cannot be within a periodic group. If the descriptor is a multiple-value field, an index value must not be used.
Action	Check program and correct error.

NAT0270: Invalid use of variable index notation.

Text	Invalid use of variable index notation.
Explanation	1. Variable index notation is not permitted with a search variable in the WITH clause of a FIND statement. 2. A variable array index (1:V) must not be used for redefine fields.
Action	Check program and correct error.

NAT0271: Page width (line size) exceeded in DISPLAY statement.

Text	Page width (line size) exceeded in DISPLAY statement.
Explanation	The total number of positions required for all columns resulting from a DISPLAY statement must not exceed the logical page size.
Action	Reduce number of fields being displayed, or reduce spacing between columns, or increase the logical page size (where applicable), or place multiple values vertically in the same column.

NAT0272: Invalid value format or incompatible field format.

Text	Invalid value format or incompatible field format.
Explanation	In a SCAN condition, the - format of the value to be scanned for must be "A", "B" or "U"; - format of the field to be scanned must be "A", "N", "P" or "U"; - length of the value must be less than the length of the field. In a MASK condition, the - format of the field to be tested must be "A", "N", "P" or "U"; - format combination of first and second operand must be compatible; - first operand must not be smaller than the mask.
Action	Check program and correct error.

NAT0273: Error :1: in line :2: of data area :3: processing :4:.

Text	Error ... in line ... of data area ... processing ....
Explanation	As indicated in the error message, an error has occurred in a specific line of a data area while processing a variable.
Action	Correct error in data area.

NAT0274: Error :1: in line :2: of copycode :3: processing :4:.

Text	Error ... in line ... of copycode ... processing ....
Explanation	As indicated in the error message, an error has occurred in a specific line of a copycode while processing a variable.
Action	Correct error in copycode.

NAT0275: RETRY statement only allowed in ON ERROR statement block.

Text	RETRY statement only allowed in ON ERROR statement block.
Explanation	The RETRY statement can only be used as a response to error NAT3145, which indicates that a record to be read for update is currently in "hold" status for another user.
Action	Check program and correct error.

NAT0276: Invalid reference to count of field in periodic group.

Text	Invalid reference to count of field in periodic group.
Explanation	When referencing the count of the number of occurrences of an elementary field within a periodic group, the name of the periodic group must be used, not the name of the elementary field.
Action	Check program and correct error.

NAT0277: A global variable must not redefine another variable.

Text	A global variable must not redefine another variable.
Explanation	For reasons of addressability, parameter variables must not be defined by redefining an already existing variable.
Action	Check program and correct error.

NAT0278: Value to be used in SET CONTROL must be format "A".

Text	Value to be used in SET CONTROL must be format "A".
Explanation	The value (constant or variable) used to specify a terminal command with a SET CONTROL statement must be alphanumeric.
Action	Check program and correct error.

NAT0279: Count requested for a non-array field.

Text	Count requested for a non-array field.
Explanation	The count field only exists for database fields that are defined as multiple-value fields, periodic groups, or multiple-value fields within a periodic group. If the count of a multiple-value field within a periodic group is to be accessed, an index must be specified to indicate the occurrence of the multiple-value field in the periodic group for which the count is being requested. The field for which you have requested a count of occurrences is neither a multiple-value field nor a periodic group.
Action	Check program and correct error.

NAT0280: Index entry incorrectly specified for field.

Text	Index entry incorrectly specified for field.
Explanation	An index was specified for a variable for which indexing is not permitted. Index specifications may only be used when defining/referencing an array. A database array can only be defined for a multiple-value field and for fields within a periodic group. If used as a search-variable in the WITH clause of a FIND statement, a multiple-value field must not be supplied with an index. When referencing an array, an index range specification was detected which exceeds the index range defined for one of its dimensions.

Action	Check program and correct error.

NAT0281: Index entry missing or invalid for an array.

Text	Index entry missing or invalid for an array.
Explanation	When a multiple-value field or a field within a periodic group is referenced, an index must be specified to indicate the occurrence of the value to be selected. Default indices are created in WRITE or DISPLAY statements based on the setting of the session parameters MC and PC. A variable to be used as a variable index must have been previously defined before it can be used as an index notation. If a non-database field has been defined as an array, an index for each dimension must be specified when referencing the field.
Action	Check program and correct error.

NAT0282: Only one index/range specification allowed.

Text	Only one index/range specification allowed.
Explanation	For multiple-value fields, or fields within a periodic group, only one index or range of indices may be specified. Two indices are only allowed for multiple-value fields within a periodic group.
Action	Check program and correct error.

NAT0283: Field or variable :1: defined more than once.

Text	Field or variable ... defined more than once.

Explanation	If DEFINE DATA is used: A variable declared on level 1 must not be defined a second time, neither on level 1 nor on any other level. Without DEFINE DATA: A variable or database field can only be defined once using a format/length specification. When the variable is referenced in the program, no further format/length specification is possible. If the first field definition was made in a data area (LDA,GDA) which was included with a "DEFINE DATA .. USING .." statement, a further message (NAT0297) is put on the error stack, which indicates the data area name, the library and DB/FNR from which the field was included first. This message can be displayed with the system command LASTMSG.
Action	Check program and correct error.

NAT0285: Field reference error; reference invalid or missing.

Text	Field reference error; reference invalid or missing.
Explanation	Probable reasons for this error message: - You mistyped the variable name. - The variable name you specified has not yet been declared. - A specific database reference has been supplied, but the field is not present in the file referenced. - The value of a Natural system function has been referenced in the form *FUNCTION(FIELD), but no evaluation of the referenced system function has occurred for the field.
Action	Check program and correct error.

NAT0286: Invalid use of function, system function or sys. variable.

Text	Invalid use of function, system function or sys. variable.

Explanation	- Natural system functions and Natural system variables may only be used in a specific statement syntax within a Natural program. - The value of a system function or system variable may be assigned to a variable and then referenced. - In an INPUT statement, most system functions can only be used as output fields, but not as input fields. - The only system variable that can be used as an argument in the system function POS is *COM. - A Natural function call is not allowed in this context. For further information on Natural functions, Natural system functions or Natural system variables, see the Natural documentation.
Action	Correct error in program.

NAT0287: No access to database field; or REDEFINE variable exists.

Text	No access to database field; or REDEFINE variable exists.
Explanation	Either the access to a database field is not possible at this point; or a variable to be used in a REDEFINE statement has previously been defined. A database field can only be referenced within an active processing loop. If the loop has been closed, a reference to fields from that database access is no longer possible. If you wish to use a value of a database field outside an active processing loop, assign the value to a user-defined variable. This error also occurs if a 4-digit array occurrence is incorrectly specified. 4-digit array occurrences must be preceded by a slash; for example, #ARRAY(/1000), not #ARRAY(1000).
Action	Correct error in program.

NAT0288: Index/format not permitted in Natural system function.

Text	Index/format not permitted in Natural system function.

Explanation	Format or length must not be specified for the reference to a Natural system function that had been previously evaluated nor for the reference to a Natural system variable.
Action	Check program and correct error.

NAT0289: Referenced field is not a descriptor.

Text	Referenced field is not a descriptor.
Explanation	The reference to a database field at this point requires that the field is a descriptor. Descriptors are required in the WITH clause of a FIND statement, as sequence fields in a READ LOGICAL statement, or when indicating the field for which values are to be provided in a HISTOGRAM statement.
Action	Correct error in program.

NAT0290: Sub/super/hyper/phonetic descriptor field improperly used.

Text	Sub/super/hyper/phonetic descriptor field improperly used.
Explanation	A sub/superfield or sub/superdescriptor may be read from the database with an access statement (READ, FIND, HISTOGRAM, GET), but cannot be referenced in an update statement (STORE, UPDATE). The value for a hyper- and phonetic descriptor can only be used in a search criterion, but cannot be read from the database.
Action	Correct error in program.

NAT0291: Format for database field incompatible.

Text	Format for database field incompatible.
Explanation	The format used for a database field is not compatible with the format of the field as defined in the data dictionary.
Action	Check program and correct error.

NAT0292: Requested field is not integer or has invalid length.

Text	Requested field is not integer or has invalid length.
Explanation	The operation requires the value of an integer field. This can be an integer constant, or a user-defined variable or database field of integer format. This error occurs if: - the field is of a format other than integer, or - the length of the field is not valid.
Action	Use an integer format/length valid for the operand.

NAT0293: Index range entry specified where not allowed.

Text	Index range entry specified where not allowed.
Explanation	A single index entry is required for this type of function; an index range is not permitted. Single index entries are required, for example, in the WITH clause of a FIND statement to indicate a specific occurrence of a periodic group field, or to specify the descriptor to be used for sequence control in a READ LOGICAL statement.

Action	Check program and correct error.

NAT0294: Intermediate storage overflow in arithmetic statement.

Text	Intermediate storage overflow in arithmetic statement.
Explanation	An overflow of an internal stack has occurred during the evaluation of an arithmetic expression. The internal stack is used to sequence the execution of arithmetic operations according to the parenthetical structure.
Action	Reduce the number of operations to be performed within a single arithmetic operation.

NAT0295: Operand in arithmetic statement is not numeric.

Text	Operand in arithmetic statement is not numeric.
Explanation	Only operands of format "N" (numeric unpacked) or "P" (packed numeric) are allowed in arithmetic expression. A numeric operand can be defined as a constant or as the content of a variable.
Action	Check program and correct error.

NAT0296: Invalid search criteria in FIND statement.

Text	Invalid search criteria in FIND statement.
Explanation	When evaluating complex search criteria, such as one with logical operator "OR", several separate database calls may be required. For a single FIND statement, a maximum of 64 database calls can be generated internally.

Action	Reduce the number of search criteria.

NAT0297: Field :1: previously defined in (:2:/:3:/:4:/:5:).

Text	Field :1: previously defined in (:2:/:3:/:4:/:5:).
Explanation	The variable :1: was declared twice. The first definition of the field was included via data area :2:, which was loaded from library :3:, database :4:, file number :5:.
Action	Correct error in program.

NAT0298: Incorrect parameters specified in SET KEY statement.

Text	Incorrect parameters specified in SET KEY statement.
Explanation	A push-button (PB=), menu (ME=), or bitmap (BM=) clause was detected in a SET KEY statement, but the corresponding parameters were incorrectly specified.
Action	See the Natural documentation for detailed information.

NAT0299: Total length of intermediate result exceeds 31 digits.

Text	Total length of intermediate result exceeds 31 digits.
Explanation	Natural supports operands up to a length of 31 digits. The length of intermediate results as operands is evaluated according to the rules for arithmetic operations. See the Natural documentation for details.

Action	Check the digits of intermediate results according to the rules. Separate the arithmetic expression into several statements using explicit intermediate results.

8 Natural System Error Messages 0300-0349

NAT0300: Operands are not data transfer compatible.

Text	Operands are not data transfer compatible.
Explanation	According to the format rules for data transfer, the source operand cannot be assigned to the destination field. For more information, see the Natural documentation, topic "Rules for Arithmetic Assignment".
Action	Check program and correct error.

NAT0301: Edit mask too long or not specified correctly.

Text	Edit mask too long or not specified correctly.
Explanation	Possible reasons for this error: - The specified edit mask contains no character that would cause any digit of the value to be output (e.g., for a numeric edit mask no "Z" or "9" was specified; for an alphanumeric edit mask no "X" was specified). - The number of output digits in a numeric edit mask exceeds 31. - The number of output characters resulting from the edit mask string exceeds the maximum size of 1073741824 characters. - The edit mask string you have specified is too long. It must not exceed 80 source characters on z/OS and 244 on open systems. - You have specified an edit mask at statement level in a DISPLAY, FORMAT, INPUT or WRITE statement. At statement level in these

	statements, you can only specify "EM=OFF", but no specific edit mask. - An edit mask is not allowed for a group name or view name.
Action	Correct edit mask specification.

NAT0302: Element in WRITE/INPUT statement does not fit on 1 line.

Text	Element in WRITE/INPUT statement does not fit on 1 line.
Explanation	The size of an element specified in a WRITE/INPUT statement exceeds the current line size.
Action	Either increase the line size (parameter LS), or reduce the size of the element (for example, by using a REDEFINE statement).

NAT0303: Page overflow, too many vertical entries.

Text	Page overflow, too many vertical entries.
Explanation	The number of vertical entries specified within one INPUT, WRITE or DISPLAY statement exceeded the current page size.
Action	Either increase the page size (parameter PS) or reduce the number of vertical entries.

NAT0304: Invalid printer reference number.

Text	Invalid printer reference number.
Explanation	A printer number must be specified as a numeric constant or symbolic constant defined with DEFINE PRINTER enclosed in parentheses. There is no additional printer support within a map (processing rule).

Action	Check program and correct error.

NAT0305: Text string must begin and end on the same line.

Text	Text string must begin and end on the same line.
Explanation	A text string is initiated with an apostrophe and must be ended on the same line with another apostrophe. If a text string longer than one line is required, enter the text in two portions (each within apostrophes) in two consecutive lines and with a hyphen (-) between the two portions. At execution time, the two portions will be concatenated.
Action	Correct error in program.

NAT0306: DO or DOEND either missing or misplaced.

Text	DO or DOEND either missing or misplaced.
Explanation	A group of statements initiated with a DO statement must be terminated with a DOEND statement. The omission of a DOEND statement may only be detected at the end of a source program. The position of the error in the program does not necessarily correspond to the position where the DOEND should be placed.
Action	Ensure that each DO statement has a corresponding DOEND statement.

NAT0307: Loop in line :1: not closed within conditional block.

Text	Loop in line ... not closed within conditional block.

Explanation	A processing loop which is initiated within a conditional statement block must be closed within that block. Valid example: ``` IF ... DO FIND ... DISPLAY ... LOOP DOEND END ``` Invalid example: ``` IF ... DO FIND ... DISPLAY ... DOEND END ```
Action	Check program and correct error.

NAT0308: Attempt to close a non-existent processing loop.

Text	Attempt to close a non-existent processing loop.
Explanation	The LOOP statement can only be used to close an active processing loop. Either the processing loop to be closed was not properly initiated, or the processing loop had already been closed.
Action	Check program and correct error.

NAT0309: Invalid positioning of AT BREAK/END condition.

Text	Invalid positioning of AT BREAK/END condition.
Explanation	An AT BREAK/END condition cannot be used within a block of statements which is dependent on another special condition. Blocks are: AT BREAK AT END/TOP OF PAGE AT START/END OF DATA ON ERROR IF

Action	Re-position the AT BREAK/END condition.

NAT0310: AT END OF or AT BREAK requires active processing loop.

Text	AT END OF or AT BREAK requires active processing loop.
Explanation	An AT BREAK/END statement can only be used within an active processing loop.
Action	Check program and correct error.

NAT0311: Error occurred in user exit for source/object programs.

Text	Error occurred in user exit for source/object programs.
Explanation	A non-zero response code was received from the user exit which is used to store source/object programs in a user-controlled file.
Action	Check the coding of the user exit (response code in register 15 when returning to Natural).

NAT0312: Reference invalid in AT START/END OF DATA or AT BREAK.

Text	Reference invalid in AT START/END OF DATA or AT BREAK.
Explanation	A reference number was used to refer one of the above conditional statements to a specific processing loop. However, the specified reference number refers to a line which does not contain the correct loop-initiating statement.

Action	Check program and correct error.

NAT0313: Only one BEFORE BREAK/AT START OF DATA allowed in a loop.

Text	Only one BEFORE BREAK/AT START OF DATA allowed in a loop.

Explanation	Only one AT START OF DATA condition can be specified for a single processing loop. If multiple statements are to be made dependent on the AT START OF DATA condition, use a DO/DOEND construction (see example below).
	Example:
	`  READ ...`
	`  AT START OF DATA`
	`     DO  IF ...  DO ... DOEND`
	`         IF ...  DO ... DOEND  DOEND`
	`  DISPLAY`
	`  LOOP`
	`  END`

Action	Check program and correct error.

NAT0314: No more than one ON ERROR statement allowed per program.

Text	No more than one ON ERROR statement allowed per program.

Explanation	Only one ON ERROR condition can be specified in a given program. To check multiple conditions in an ON ERROR condition, use IF statements within the ON ERROR condition.
	Example:
	`--------`
	`  READ ...`
	`  UPDATE ...`
	`    ON ERROR IF ... END-IF`
	`              IF ... END-IF`
	`    END-ERROR`
	`  END-READ`
	`  END`

Action	Check program and correct error.

NAT0315: Inconsistent usage of "/n/" clause.

Text	Inconsistent usage of "/n/" clause.
Explanation	The notation "/n/" can be used to specify how many positions of a variable are to be examined in the evaluation of an AT BREAK statement or an IF BREAK condition. A "/n/" clause may only be specified for break variables of format alphanumeric, binary, numeric or packed. The value for "n" cannot be greater than the number of positions defined for the variable, that is, the number of bytes (for an alphanumeric or binary break variable) or the number of digits (for a numeric or packed break variable). Moreover, the value specified must not exceed 253 for alphanumeric fields and 126 bytes for binary fields.
Action	Check program and correct error.

NAT0316: Statement not permitted within specified condition.

Text	Statement not permitted within specified condition.
Explanation	Certain restrictions exist for the use of statements within certain conditions. The specified statement is not allowed in this type of condition. Within an external subroutine object, for example, only DEFINE SUBROUTINE statements and DEFINE DATA statements are allowed.
Action	Check program and correct error.

NAT0317: 1 element (column width) must not exceed 250 characters.

Text	1 element (column width) must not exceed 250 characters.
Explanation	The maximum length of elements that can be output in a DISPLAY column is 250 characters.
Action	Redefine element into smaller elements, or have the fields displayed in vertical mode.

NAT0318: "FULL VALUE" must not be specified in EXAMINE TRANSLATE.

Text	"FULL VALUE" must not be specified in EXAMINE TRANSLATE.
Explanation	Unlike in an EXAMINE statement, "FULL VALUE" must not be specified in an EXAMINE TRANSLATE statement. An EXAMINE TRANSLATE statement always processes the entire content of the field.
Action	Correct error in program.

NAT0319: Argument for AVER, TOTAL, SUM must be numeric.

Text	Argument for AVER, TOTAL, SUM must be numeric.
Explanation	The argument for the evaluation of the Natural system functions AVER, TOTAL and SUM must be defined with numeric format.
Action	Check program and correct error.

NAT0320: Edit mask permitted for output elements only.

Text	Edit mask permitted for output elements only.
Explanation	In an INPUT statement, edit masks can only be used for output elements (attribute = M or O). For input elements (attribute = A), edit masks cannot be used. Note that if you use hexadecimal edit masks for output elements, you cannot use attribute M = modify.
Action	Check program and correct error.

NAT0321: Error :1: in :2: processing fields :3:.

Text	Error ... in ... processing fields ....
Explanation	The Natural error indicated occurred while resolving a MOVE BY NAME or MOVE BY POSITION statement. The two fields causing the assignment problem are indicated in the message.
Action	See the Natural error indicated in the message for further action.

NAT0322: Type of variable invalid as system function argument.

Text	Type of variable invalid as system function argument.
Explanation	1) A Natural system variable cannot be used as an argument for a Natural system function. If a system function is to be evaluated from a system variable, assign the value of the system variable to a user-defined variable and use this variable as the argument. 2) A variable used as a password/cipher variable cannot be used as an argument for a Natural system function. If the same variable as used for password/cipher is to be used as an argument for a Natural system function, assign the value to a user-defined variable, and use that variable as the argument.

Action	Check program and correct error.

NAT0323: ON ERROR statement not allowed within condition.

Text	ON ERROR statement not allowed within condition.
Explanation	An ON ERROR statement must not be placed within any of the following statement blocks: - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING - IF - IF NO RECORDS FOUND - AT END OF FILE - DEFINE SUBROUTINE
Action	Check program and correct error.

NAT0324: DOEND missing for DO statement in line :1:.

Text	DOEND missing for DO statement in line ....
Explanation	A statement block initiated with a DO statement must be terminated with a DOEND statement.
Action	Correct error in program.

NAT0325: Inconsistent naming of fields in the data dictionary.

Text	Inconsistent naming of fields in the data dictionary.

Explanation	The same field name was used twice in a database view definition in the data dictionary.
Action	Inform your Natural administrator, or use the LIST FILE command to check the view definition.

NAT0327: Numeric edit mask specifies no valid positions in value.

Text	Numeric edit mask specifies no valid positions in value.
Explanation	The specified numeric edit mask does not contain any positions which actually exist in the value to which the edit mask is applied.
Action	Check program and correct error.

NAT0328: Maximum number/length of sort fields exceeded.

Text	Maximum number/length of sort fields exceeded.
Explanation	Either the total length of the fields to be sorted was greater than 253, or the total number of fields to be sorted was greater than 10.
Action	Reduce the size of the sort criteria.

NAT0329: AT BREAK required with PERFORM BREAK PROCESSING.

Text	AT BREAK required with PERFORM BREAK PROCESSING.
Explanation	After a PERFORM BREAK PROCESSING statement, no AT BREAK statement was issued. This error can also occur if the PERFORM BREAK PROCESSING is within an IF condition and the PERFORM BREAK PROCESSING and subsequent AT BREAK are not explicitly bounded by DO and DOEND statements.

Action	Check program and correct error.

NAT0330: AT END OF DATA specified more than once for a loop.

Text	AT END OF DATA specified more than once for a loop.
Explanation	Only one AT END OF DATA statement is allowed per processing loop.
Action	Check program and correct error.

NAT0332: The parameters LC and IC cannot be used together.

Text	The parameters LC and IC cannot be used together.
Explanation	The LC and IC characters are mutually exclusive.
Action	Check program and correct error.

NAT0333: Alphanumeric edit mask may not be used for numeric value.

Text	Alphanumeric edit mask may not be used for numeric value.
Explanation	The error may be caused by an incorrect definition of the edit mask in the data dictionary.
Action	Check program or data dictionary and correct edit mask specification.

NAT0335: Text string for SCAN must be enclosed within apostrophes.

Text	Text string for SCAN must be enclosed within apostrophes.
Explanation	The text string to be used for a SCAN operation must be enclosed within apostrophes, and it must be contained on a single source code line.
Action	Check program and correct error.

NAT0336: Field to be examined must be a variable if it is modified.

Text	Field to be examined must be a variable if it is modified.
Explanation	In an EXAMINE statement, the field to be examined must not be a constant if it is to be modified, that is, if a DELETE/REPLACE clause is used. This error also occurs if a constant is specified in an EXAMINE TRANSLATE statement; the field to be TRANSLATEd must be a variable.
Action	Correct error in program.

NAT0337: Format/length of translate table must be A2, B2 or U2.

Text	Format/length of translate table must be A2, B2 or U2.
Explanation	The format/length of the translate table specified in the USING clause of an EXAMINE TRANSLATE statement must be A2, B2 or U2.
Action	Correct error in program.

NAT0338: A database field with no active reference was used.

Text	A database field with no active reference was used.
Explanation	A database field can be referenced only within an active processing loop. If the processing loop has been closed, reference to fields made available by the processing loop is no longer allowed.
Action	Ensure that all references to database fields are contained within an active processing loop.

NAT0339: No specific heading allowed for group names in WRITE.

Text	No specific heading allowed for group names in WRITE.
Explanation	If a group name is used in a WRITE (or INPUT) statement, no specific header text may be specified for the group.
Action	Check program and correct error.

NAT0340: Invalid tab setting; occupied column overlaid.

Text	Invalid tab setting; occupied column overlaid.
Explanation	The tabulation "nT" can only be used to position forward in a line. The tabulator notation must not position the new value over an already occupied output position.
Action	Check program and correct error.

NAT0341: Repetition factor for text string > 250 or invalid.

Text	Repetition factor for text string > 250 or invalid.
Explanation	The repetition factor may be used to cause a one-character text string to be repeated. The repetition factor must be a numeric integer constant enclosed in parentheses. The maximum repetition factor allowed is 250.
Action	Check program and correct error.

NAT0342: AT BREAK not possible in this type of processing loop.

Text	AT BREAK not possible in this type of processing loop.
Explanation	The AT BREAK statement may only be used in processing loops that are initiated by a FIND, READ, HISTOGRAM or SORT statement. User-initiated break processing can be done with the statement PERFORM BREAK PROCESSING.
Action	Check program and correct error.

NAT0343: Only literal of one character can be used for repetition.

Text	Only literal of one character can be used for repetition.
Explanation	A character string that is to be repeated using a repetition factor may consist of only one single character.
Action	Check program and correct error.

NAT0344: WRITE TITLE/TRAILER is not allowed within condition.

Text	WRITE TITLE/TRAILER is not allowed within condition.
Explanation	A WRITE TITLE or WRITE TRAILER statement must not be placed within any of the following statement blocks: - IF - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING - AT END OF FILE - ON ERROR - IF NO RECORDS FOUND - DEFINE SUBROUTINE
Action	Place WRITE TITLE/WRITE TRAILER outside such a statement block.

NAT0345: Edit mask definition error in data dictionary.

Text	Edit mask definition error in data dictionary.
Explanation	The edit mask for a database field, as defined in the data dictionary, is incorrect.
Action	Contact your Natural administrator. A temporary by-pass may be to override the edit mask definition in the program.

NAT0346: Data definition module (DDM) :1: cannot be loaded.

Text	Data definition module (DDM) ... cannot be loaded.
Explanation	The data definition module (DDM) for the requested file cannot be loaded, because the internal DDM load buffer could not be allocated with a sufficient size.

Action	Start Natural in a larger thread/partition/region/task environment.

NAT0347: SORT statement must not be placed within condition.

Text	SORT statement must not be placed within condition.
Explanation	The SORT statement closes all existing processing loops and initiates a new processing loop to process all records after they have been sorted. Therefore, the SORT statement cannot be placed within any of the following statement blocks: - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - AT END OF FILE - BEFORE BREAK PROCESSING - DECIDE - IF - IF NO RECORDS FOUND - ON ERROR
Action	Check program and correct error.

NAT0348: AT TOP/END OF PAGE must not be placed within condition.

Text	AT TOP/END OF PAGE must not be placed within condition.
Explanation	The statements AT TOP OF PAGE and AT END OF PAGE can only be used outside the following statement blocks: - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING - AT END OF FILE - IF - IF NO RECORDS FOUND - ON ERROR - DEFINE SUBROUTINE

Action	Place AT TOP/END OF PAGE outside such a statement block.

NAT0349: Invalid parameter value in (SET) GLOBALS statement/cmd.

Text	Invalid parameter value in (SET) GLOBALS statement/command.
Explanation	The value for a parameter specified in a SET GLOBALS statement (or GLOBALS command) was invalid. Possible values for the parameter in question are "ON" and "OFF" (or "T" and "F" respectively).
Action	Check program and correct error.

9 Natural System Error Messages 0350-0399

NAT0350: Too many vertical entries in one INPUT/WRITE/DISPLAY.

Text	Too many vertical entries in one INPUT/WRITE/DISPLAY.
Explanation	One INPUT, WRITE or DISPLAY statement can generate a maximum of 250 lines vertically. The row value in the notation "X/Y" must not exceed 250. The number of header lines must not exceed 14.
Action	Check program and correct error.

NAT0351: No header text allowed for VERT, NOHDR, second DISPLAY.

Text	No header text allowed for VERT, NOHDR, second DISPLAY.
Explanation	- Header text is not allowed for any other than the first DISPLAY statement of a report. - In VERT mode, header text for individual fields can only be specified if the option "CAPTIONED" is used; the header texts for the fields will then be placed vertically above the column as header text. - If the option AS "text" is used together with CAPTIONED, the text specified for an individual field will be placed in the same line as as the field value before the field value in the column. - No header text is allowed for a DISPLAY statement which refers to the same report as a previous DISPLAY statement which has already created a header.

Action	Check program and correct error.

NAT0352: SF parameter in FORMAT/SET GLOBALS > 30 or not numeric.

Text	SF parameter in FORMAT/SET GLOBALS > 30 or not numeric.
Explanation	The value for the parameter SF must be specified as a numeric integer constant. The maximum value is 30.
Action	Check program and correct error.

NAT0353: Parameter must not be previously defined.

Text	Parameter must not be previously defined.
Explanation	Only the first parameter address is passed to the called program. All other parameters must be physically positioned immediately after the first parameter. This can only be achieved if the parameter variables are newly defined in the CALL FILE or READ WORK FILE statement respectively.
Action	Do not refer to previously defined variables in a CALL FILE statement.

NAT0354: Filler character for input field specified incorrectly.

Text	Filler character for input field specified incorrectly.
Explanation	The character which is to be used to fill the empty part of an input field must be specified as a single character enclosed in apostrophes. It may be specified anywhere in the list of values of the AD parameter. Example: INPUT (AD="<") #FIELDA #FIELDB

Action	Correct error in program.

NAT0355: Invalid attribute definition element after "AD=".

Text	Invalid attribute definition element after "AD=".
Explanation	See the Natural documentation, session parameter AD, for information on valid values for the AD parameter. Furthermore, this error appears in a INPUT statement if - (AD=M) is specified for a system variable other than *COM; - (AD=T) is specified for a system variable.
Action	Check program and correct error.

NAT0356: Incorrect usage of ADJUST clause.

Text	Incorrect usage of ADJUST clause.
Explanation	The ADJUST option can only be provided for a field inside the SELECT option. The operand for which the ADJUST is supplied must be an X-ARRAY with an unique dimension and the index expression "(*)". After the ADJUST option, the field list must not be continued, that is, the specification of further variables is not permitted.
Action	Check program and correct error.

NAT0357: Invalid entry for OFFSET/FILLER in READ WORK FILE.

Text	Invalid entry for OFFSET/FILLER in READ WORK FILE.
Explanation	The OFFSET/FILLER in a record layout for READ WORK FILE must be specified as an integer numeric constant. The filler entry may be specified in the form "nX". This error also occurs if the OFFSET or FILLER option is placed in the wrong position within the READ WORK FILE statement. See the Natural documentation for the valid READ WORK FILE statement syntax.

Action	Correct error in program.

NAT0358: No attribute definition specified after "AD=".

Text	No attribute definition specified after "AD=".
Explanation	At least one attribute setting is required when using "AD=".
Action	Check program and correct error.

NAT0359: Processing loop in subroutine not closed.

Text	Processing loop in subroutine not closed.
Explanation	If a processing loop is initiated in a subroutine, it must be closed within the same subroutine with a LOOP statement. The LOOP statement must precede the RETURN statement.
Action	Check program and correct error.

NAT0360: No executable statement in IF condition.

Text	No executable statement in IF condition.
Explanation	Statements such as REDEFINE or FORMAT do not generate executable code; therefore, they are not allowed as the only statements in an IF condition. A redefinition of a variable is true under all conditions; it is therefore not recommended to place a REDEFINE or FORMAT statement within an IF condition.

Action	Check program and correct error.

NAT0361: Printer number not allocated.

Text	Printer number not allocated.
Explanation	Either a corresponding JCL statement for the specified printer was not specified; or, if a TP monitor is used, either the TP monitor does not support offline printers or the necessary parameter module was not generated.
Action	Correct the printer number or contact your Natural administrator.

NAT0362: Recursive definition of a subroutine.

Text	Recursive definition of a subroutine.
Explanation	A subroutine definition, which is initiated with a DEFINE SUBROUTINE statement, must be terminated with an END-SUBROUTINE or RETURN statement before another subroutine definition can be initiated. A DEFINE SUBROUTINE statement within another DEFINE SUBROUTINE statement block is not possible.
Action	Check program and correct error.

NAT0363: Invalid definition of a subroutine.

Text	Invalid definition of a subroutine.
Explanation	A DEFINE SUBROUTINE statement must not be placed within any of the following condition statement blocks: - AT START OF DATA - AT END OF DATA - AT TOP OF PAGE - AT END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING

	- AT END OF FILE - IF NO RECORDS FOUND - ON ERROR
Action	Correct error in program.

NAT0364: Inconsistency in multiple writing to the same work file.

Text	Inconsistency in multiple writing to the same work file.
Explanation	This error occurs if one program contains two (or more) WRITE WORK FILE statements that write data to the same work file: - Writing to the same work file must be either all in fixed length or all in variable length; that is, the keyword "VARIABLE" must be specified either in every WRITE WORK FILE statement concerned or in none. (Please note that in this context an EXPORT statement corresponds to a WRITE WORK FILE (1) VARIABLE statement.) - If writing to the same work file is all in fixed length, the sum of field lengths must be the same for every WRITE WORK FILE statement concerned.
Action	Correct error in program.

NAT0366: Invalid use of Natural system function.

Text	Invalid use of Natural system function.
Explanation	Natural system functions like MAX, MIN, SUM or AVER can only be used with the conditions AT BREAK, AT END DATA, AT END PAGE.
Action	Check program and correct error.

NAT0367: Invalid reference of Natural system function.

Text	Invalid reference of Natural system function.
Explanation	Natural system functions like MAX, MIN, SUM and AVER may only be used in an AT END OF PAGE condition if their evaluation per page has been requested with the GIVE SYSTEM FUNCTIONS clause of a DISPLAY or WRITE statement.
Action	Check program and correct error.

NAT0368: Search field for a descriptor is too long.

Text	Search field for a descriptor is too long.
Explanation	The maximum length for a search field is 126 bytes.
Action	Check program and correct error.

NAT0369: Parameter DY may only be used with alphanumeric fields.

Text	Parameter DY may only be used with alphanumeric fields.
Explanation	Dynamic attributes (blinking, intensified, underlined, color, etc.) may only be applied to alphanumeric fields.
Action	Check program and correct error.

NAT0370: Invalid concatenation of alphanumeric constants.

Text	Invalid concatenation of alphanumeric constants.
Explanation	A concatenation character ("-") was found, but the linked constant segment is missing or of an incorrect format. When an alphanumeric constant ("text" or H"..") is followed by a hyphen character ("-"), another alphanumeric constant has to follow. Example: "ABC"-"DEF"-H"F1F2F3"-"XYZ" When a constant of format Unicode (U"text" or UH"..") is followed by a hyphen character ("-"),another constant of format Unicode has to follow. Example: U"ABC"-U"DEF"-UH"00310032"-U"XYZ" A mix of alphanumeric and Unicode constant segments is not permitted.
Action	Check program and correct error.

NAT0371: Invalid output length for (PM=D) field or constant.

Text	Invalid output length for (PM=D) field or constant.
Explanation	If attribute (PM=D) is used to display an alphanumeric field or constant, its content is considered DBCS data without surrounding Shift-OUT/Shift-IN characters. To ensure the proper display of such data on the screen, the output length must be even. The following rules apply to type Alphanumeric: If the field length is odd (e.g. (A9)), provide option AL=/DL= to reduce the display length. If AL= or DL= (or both) are specified, only an even length is permitted. The following rules apply to type Unicode: If the field length is odd (e.g. (U7)), provide option AL=/DL= to set the output length to an even number. Since one Unicode character corresponds to one DBCS double-byte, the number of output positions needed is twice the field length (i.e. DL=14 for (U7)).
Action	Provide correct length option AL= or DL=.

NAT0373: Error in increment specification for RENUMBER.

Text	Error in increment specification for RENUMBER.
Explanation	The line editor allows an increment, in the form (nnnn), to be specified for renumbering. The increment you have specified would cause line numbers greater than 9999.
Action	Choose an increment for renumbering that does not cause the line numbers to exceed 9999.

NAT0375: Invalid value for format element.

Text	Invalid value for format element.
Explanation	For this type of format element, the only possible values are "ON" and "OFF" (or "T" and "F" respectively).
Action	Check program and correct error.

NAT0376: Global variables :1: do not match.

Text	Global variables ... do not match.
Explanation	The global variables that are to be passed between programs do not agree in format and/or length. Global variables with the same name must agree in format and length to allow for a value transfer of the global variable across multiple programs when referenced as data as "+NAME".
Action	Check the currently existing global variables with the AIV command and compare them to the reference in the current program. Adjust format/length or clear global variables with the LOGON command.

NAT0378: Field must not be placed under group using "/" notation.

Text	Field must not be placed under group using "/" notation.
Explanation	If a group of fields is referenced in a DISPLAY statement, the group creates a layout of multiple columns for all individual fields in the group. No individual field can be placed under the group layout.
Action	Place individual field in a separate column.

NAT0379: Error in construction of print positioning of form "x/y".

Text	Error in construction of print positioning of form "x/y".
Explanation	The positioning notation "x/y" can only be used with constants for "x" and "y". The positioning must not place the current print position outside the range of line and column positions that are available with the current line size and page size limits. The line position must not overlay an already occupied print position.
Action	Check program and correct error.

NAT0380: Error in the construction of a dynamic source variable.

Text	Error in the construction of a dynamic source variable.
Explanation	The character "&", which indicates a dynamic source variable, was found, but the "&" was not followed by a valid variable name.
Action	Check program and correct error.

NAT0383: Source program in source work area incorrectly numbered.

Text	Source program in source work area incorrectly numbered.
Explanation	To ensure that all references in a program can be resolved correctly, it is necessary that the source code lines are numbered in ascending order.
Action	Use the RENUMBER command to renumber the program, check all references for consistency with intended reference (when duplicate numbers exist). All references will be renumbered automatically.

NAT0384: Explicit format specification required.

Text	Explicit format specification required.
Explanation	The FS parameter has been set with a SET GLOBALS statement or GLOBALS command to indicate that no default format/length is to be used. Therefore the format/length of all user-defined variables must be explicitly specified.
Action	Check program and correct error.

NAT0385: Values for DC, IA, ID parameters must exclude one another.

Text	Values for DC, IA, ID parameters must exclude one another.
Explanation	The values for the session parameters DC, IA and ID must exclude one another. The value for each of these parameters must be different from the values for the other two.
Action	Use the GLOBALS command to check the values for DC, IA and ID and make sure that the 3 parameter have 3 different values.

NAT0386: Undefined global variable used for source reference.

Text	Undefined global variable used for source reference.
Explanation	All global variables that are to be referenced for source parameters in the form "&NAME" must have been previously defined from the execution of a program that assigns a value to this global variable. If a source program using global notations is to be created, this can be done without control of the syntax checker, using the EDIT command. When the syntax checker is to be active during the creation of such program, the proper global variable environment must be created prior to any "&NAME" reference.
Action	Either create program in EDIT mode or establish proper global variable environment by executing programs that define the global variables prior to any "&NAME" reference.

NAT0387: Modification of a named constant not allowed.

Text	Modification of a named constant not allowed.
Explanation	If a variable is to have an initial value, which will be changed in the program, and the original value is to be used again later in the program, use the INIT clause of the DEFINE DATA statement and a RESET INITIAL statement.
Action	Check program and correct error.

NAT0389: Invalid reference "0000" specified.

Text	Invalid reference "0000" specified.

Explanation	When you reference a database access statement by specifying the line number, the line number can never be "0000".
Action	Check program and correct error.

NAT0390: Variable of format/length F16 is not allowed here.

Text	Variable of format/length F16 is not allowed here.
Explanation	A floating-point variable of length 16 is not allowed with the following statements: - DISPLAY - WRITE - PRINT - INPUT
Action	Do not use an F16 variable in any of the above statements.

NAT0392: Invalid operation with date or time variable.

Text	Invalid operation with date or time variable.
Explanation	This error may be caused by the following: - An arithmetic operator other than "+","-","*" or "-" was used between a date/time operand and/or a numeric operand. - An arithmetic operator with one date/time operand and one floating-point operand was used. - A field of a format other than date is assigned to a date variable. See Natural documentation, Arithmetic Operations with Date and Time, for further information.
Action	Check program and correct error.

NAT0393: Program cannot be executed.

Text	Program cannot be executed.
Explanation	1) An attempt was made to - execute a Natural programming object or - load a GDA, LDA, PDA or map at compilation which is not supported by the current version of Natural. For a list of supported Natural program versions, see the corresponding Natural documentation. 2) The program to be executed is contained in the blacklist of the current buffer pool (see the SYSBPM utility documentation).
Action	1) Re-compile the program under the current version of Natural. 2) Remove the program from the blacklist.

NAT0394: Invalid format specification.

Text	Invalid format specification.
Explanation	See the Natural session parameters documentation for details.
Action	Check program and correct error.

NAT0395: Attribute "CV" must be defined before "HE" definition.

Text	Attribute "CV" must be defined before "HE" definition.
Action	Check program and correct error.

NAT0396: Roman edit mask for input fields not allowed.

Text	Roman edit mask for input fields not allowed.
Explanation	A roman edit mask can be used in an INPUT statement, but only for output fields. Example: INPUT #D (EM=R AD=O)
Action	Check program and correct error.

NAT0397: Invalid index range in INPUT or WRITE statement.

Text	Invalid index range in INPUT or WRITE statement.
Explanation	In an INPUT or WRITE statement, the index range notation of an array is invalid because the number of occurrences is not known during compilation. Examples of invalid index ranges: - range with different variables : (#I:#J) - range with constant and variable : (1:#i) - complete range notation of an X array: (*) Examples of valid index ranges: - range with constants : (1:5) - range with the same variabes : (#I:#I+5)
Action	Supply a valid index range.

NAT0398: Label definition must be coded at beginning of line.

Text	Label definition must be coded at beginning of line.
Action	Check program and correct error.

NAT0399: INCLUDE statement must be only statement in source line.

Text	INCLUDE statement must be only statement in source line.
Explanation	The INCLUDE statement must be the only statement contained in a given source code line.
Action	Check program and correct error.

10 Natural System Error Messages 0400-0449

NAT0400: Invalid library ID.

Text	Invalid library ID.
Explanation	A library ID must not be longer than 8 characters. It can consist of upper-case alphabetical characters, numeric digits, and certain special characters. It must not contain any blank characters. Its first character must be an upper-case alphabetical character. For more information on library naming conventions, see the Natural documentation.
Action	Use a correct library ID.

NAT0401: Invalid program name.

Text	Invalid program name.
Explanation	A program name must begin with an alphabetical character and must not be longer than 8 characters.

Action	Use correct program name.

NAT0402: "text" for EDIT command does not end with apostrophe.

Text	"text" for EDIT command does not end with apostrophe.
Explanation	."text" can be used in the line editor to position to a specific line beginning with that text string. .S"text" can be used to scan the source program for the specified text and select all lines containing the text.
Action	Check command and correct error.

NAT0403: Invalid line editor subcommand.

Text	Invalid line editor subcommand.
Explanation	The following subcommands may be used in the line editor: .B position to bottom .Cn(m) copy m lines starting from line identified with n .C"text"(m) copy the line beginning with "text" to position m .D delete line .D(n) delete n lines .E terminate line .I insert line .I(program) insert program .Mn move lines identified by n .M"text"(n) move n lines starting from line beginning with "text" .R(n) renumber with increment n -- default n=10 .S"text" scan for text See Natural documentation, EDT command, for use of PF keys.
Action	Issue a valid command.

NAT0404: Number for "+/-" in EDIT command invalid.

Text	Number for "+/-" in EDIT command invalid.
Explanation	"+/-n" can be used to position forward/backward in the line editor. "n" must be a numeric constant, and must immediately follow "+/-".
Action	Enter a valid command.

NAT0405: MOVE ALL with SUBSTR for target field and UNTIL value not allowed

Text	MOVE ALL with SUBSTR for target field and UNTIL value not allowed.
Explanation	When SUBSTR is applied to the target field in a MOVE ALL statement, the use of an UNTIL value is not permitted. If only a part of the target field is to be affected by the MOVE ALL, use the starting position and length of the SUBSTR clause to define the field segment to be filled with the pattern.
Action	Remove either the UNTIL value or the SUBSTR clause.

NAT0406: Explicit index range not allowed with SORT.

Text	Explicit index range not allowed with SORT.
Explanation	Only complete arrays can be specified in the USING clause of the SORT statement. This can be achieved by specifying "*" as index or by explicitly specifying the complete range of constants. Example: 01 ARRAY (A5/1:20) ... SORT BY ... USING ARRAY(*) or SORT BY ... USING ARRAY(1:20)

Action	Check program and correct error.

NAT0407: Invalid tab notation "nT".

Text	Invalid tab notation "nT".
Explanation	The "nT" positioning must be within the useable line size. "n" must not be zero or a value greater than the currently specified line size.
Action	Check program and correct error.

NAT0408: Tab notation "nT" duplicated or invalid in VERT mode.

Text	Tab notation "nT" duplicated or invalid in VERT mode.
Explanation	The "nT" positioning can be used to position to a specific output position. In VERT mode, positioning can only be done once between two columns. It cannot be specified for individual fields in VERT mode, because the column position can only be defined once before the VERT entry. If indentation is required, use the "nX" notation within a column.
Action	Check program and correct error.

NAT0409: Position ref. to field only allowed once between columns.

Text	Position reference to field only allowed once between columns.
Explanation	The position reference of the form "T*NAME" can only be used to position to a new column in a DISPLAY statement. Within a column in VERT mode, it is not possible to position individual fields with the "T*NAME" notation. If indentation is required within a column, use the "nX" notation.

Action	Check program and correct error.

NAT0411: Print position reference must be in first DISPLAY.

Text	Print position reference must be in first DISPLAY.
Explanation	Only the first DISPLAY statement creates a print position reference. Reference to print positions (columns) in the form "T*NAME" can only be made to variables that have been defined as columns in the first DISPLAY statement defined in the program. The short-form notation (2 characters) for database fields is not permitted.
Action	Correct error.

NAT0412: "nX" or "nT" notation positions beyond line size.

Text	"nX" or "nT" notation positions beyond line size.
Explanation	The notation "nX" or "nT" resulted in an output position that lies beyond the currently specified line size.
Action	Either correct the nX/nT notation or increase line size parameter.

NAT0413: Module in source library does not exist for .I(name).

Text	Module in source library does not exist for .I(name).
Explanation	The source module to be copied from the source library cannot be located in the current library, or the entry ".I(name)" was not specified correctly.

Action	Re-issue command using correct source module name.

NAT0415: "T*" and "P*" notation not permitted in PRINT statement.

Text	"T*" and "P*" notation not permitted in PRINT statement.
Action	Do not use "T*" or "P*" in a PRINT statement.

NAT0416: "x/y" notation not permitted with PRINT statement.

Text	"x/y" notation not permitted with PRINT statement.
Action	Do not use the notation "x/y" in a PRINT statement.

NAT0417: Variable index range not permitted with READ WORK FILE.

Text	Variable index range not permitted with READ WORK FILE.
Action	Check program and correct error.

NAT0418: "RETURN" is not permitted in structured mode.

Text	"RETURN" is not permitted in structured mode.
Explanation	The RETURN statement is permitted in reporting mode only. In structured mode, the end of a subroutine definition must be indicated with the statement END-SUBROUTINE.

Action	Check program and correct error.

NAT0419: "USING" is required in structured mode.

Text	"USING" is required in structured mode.
Explanation	When the SORT statement is used in structured mode, the USING clause has to be used to indicate the fields which are to be written to intermediate storage. If USING KEYS is specified, all sort-key fields are written to intermediate storage. USING operand2 ... may be used to indicate fields in addition to the sort-key fields which are to be written to intermediate storage. By default in structured mode, the fields specified in the BY clause are NOT written to intermediate sort storage.
Action	Check program and correct error.

NAT0422: Invalid or misplaced statement in external subroutine.

Text	Invalid or misplaced statement in external subroutine.
Explanation	An external subroutine must not contain more than one DEFINE SUBROUTINE statement. The DEFINE SUBROUTINE statement block must be closed with END-SUBROUTINE (or RETURN, in reporting mode). The only statements allowed outside the DEFINE SUBROUTINE block are DEFINE DATA LOCAL/GLOBAL, which must precede the DEFINE SUBROUTINE statement, and END at the end of the subroutine.
Action	Correct error in external subroutine.

NAT0423: Invalid GIVING LENGTH clause in READ WORK FILE statement.

Text	Invalid GIVING LENGTH clause in READ WORK FILE statement.
Explanation	Possible reasons for this error are: 1. The keyword "LENGTH" is missing after "GIVING". 2. The operand is either missing or defined with an incorrect format/length (format/length must be I4).
Action	Check program and correct error.

NAT0424: Invalid operand for PC "COMMAND" option.

Text	Invalid operand for PC "COMMAND" option.
Explanation	The operand for the COMMAND option of the WRITE WORK FILE/WRITE PC/DOWNLOAD statement must be of alphanumeric format and its length must not exceed 80 characters.
Action	Check program and correct error.

NAT0425: Invalid use of a qualified variable name.

Text	Invalid use of a qualified variable name.
Explanation	Qualified variable names may only be used when referencing data variables. They cannot be used when defining variables in a DEFINE DATA statement.
Action	Check program and correct error.

NAT0426: Invalid use of variable name in data structure.

Text	Invalid use of variable name in data structure.
Explanation	In the DEFINE DATA statement, a variable name was used in defining a data structure that currently exists. The earlier variable definition was not part of another data structure.
Action	Check program and correct error.

NAT0428: Invalid variable name definition in a data structure.

Text	Invalid variable name definition in a data structure.
Explanation	A variable name used in the DEFINE DATA statement already exists. The earlier definition of this variable name describes a data element that is contained within the current data structure. Non-unique variable names in a DEFINE DATA statement are referenced by qualifying the variable with the level 1 structure name. Therefore, two data structure variables with the same variable name can not co-exist if they share the same level 1 structure name. E.g.: 1 GROUP 2 STRUCTURE-1 3 SAME-NAME (A1) 2 STRUCTURE-2 3 SAME-NAME (N7) <== cannot be uniquely referenced. 1 OTHER-STRUCTURE 2 SAME-NAME (P4) <== unique reference as "OTHER-STRUCTURE.SAME-NAME"
Action	Check program and correct error.

NAT0429: Index for database array incorrectly specified.

Text	Index for database array incorrectly specified.

Explanation	When defining an array, the index specification for each dimension must not include a non self-defining range. A range which is not self-defining includes any of the following index specifications: #FIELD(#I + 1) or #FIELD(#J - 1) #FIELD(*) #FIELD(#I + #J)
Action	Check program and correct error.

NAT0431: Qualifiers must be structure names on level 1.

Text	Qualifiers must be structure names on level 1.
Explanation	To identify a variable which is defined inside a data structure, you may prefix the variable name with the name of the level-1 structure field, separated with a period. Only level-1 structure field names can be used as field qualifiers; fields defined on level 2 or higher are not permitted.
Action	Supply a valid qualifier field.

NAT0434: Qualification does not uniquely identify variable.

Text	Qualification does not uniquely identify variable.
Explanation	The qualified name list does not uniquely describe the current variable name.
Action	Check program and correct error.

NAT0435: Index for database array incorrectly specified.

Text	Index for database array incorrectly specified.
Explanation	The Natural Version 1.2 notation of defining an index range with the "-" character cannot be used to reference a database array which was defined using the Version 2.1 notation, that is the character ":". The converse is not permitted either. Neither is it permitted to mix the two notations when defining a database array. Neither are the index notations "I + 1" or "I - 2" etc. permitted when referencing a database array that was defined with the Version 1.2 notation.
Action	Check program and correct error.

NAT0436: The internal size of a data structure is too big.

Text	The internal size of a data structure is too big.
Explanation	The size of a data structure in the DEFINE DATA statement is too big.
Action	Reduce number of variables or number of occurrences for a variable.

NAT0437: Constant definition missing for current structure.

Text	Constant definition missing for current structure.
Explanation	If a variable is defined as a named constant via the keyword "CONST" in a DEFINE DATA statement, each elementary field of that structure must be defined as a constant.

Action	Check program and correct error.

NAT0438: Record length must not exceed 1073741824 bytes.

Text	Record length must not exceed 1073741824 bytes.
Explanation	The length of a record read/written with a READ/WRITE WORK FILE statement must not exceed 1073741824 bytes (= 1 GB).
Action	Check program and correct error.

NAT0439: Variable-length field only allowed in WRITE WORK VARIABLE.

Text	Variable-length field only allowed in WRITE WORK VARIABLE.
Explanation	Fields with variable length cannot be used in a WRITE WORK FILE statement without VARIABLE clause. Incorrect example: WRITE WORK FILE 1 array(1:j) Correct example : WRITE WORK FILE 1 VARIABLE array(1:j)
Action	Check program and correct error.

NAT0440: DISPLAY and NEWPAGE not allowed in AT TOP/END OF PAGE.

Text	DISPLAY and NEWPAGE not allowed in AT TOP/END OF PAGE.
Explanation	A DISPLAY or a NEWPAGE statement must not be placed within an AT TOP OF PAGE or AT END OF PAGE statement block.
Action	Correct error in program.

NAT0441: RETURN or END-SUBROUTINE not allowed within a condition.

Text	RETURN or END-SUBROUTINE not allowed within a condition.
Explanation	A RETURN or END-SUBROUTINE statement must not be placed within any of the following statement blocks: - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING - AT END OF FILE - IF NO RECORDS FOUND - ON ERROR
Action	Correct error in program/subroutine.

NAT0442: RETRY statement is not allowed within condition.

Text	RETRY statement is not allowed within condition.
Explanation	A RETRY statement must not be placed within any of the following statement blocks: - AT START/END OF DATA - AT TOP/END OF PAGE - AT BREAK - BEFORE BREAK PROCESSING - AT END OF FILE - IF NO RECORDS FOUND - DEFINE SUBROUTINE
Action	Correct error in program.

NAT0443: C routine name not found in jump table.

Text	C routine name not found in jump table.
Explanation	CALL <MODULE> <ROUTINE> <ARGUMENTS> The routine declared by <routine> is not found by the jump table look-up routine declared in the module header csect <module>. Note that the jump table look-up routine is also written in C.
Action	This is an internal Natural Expert error. Please contact technical supoort and describe how the error was produced.

NAT0444: Logical file directive for Entire system file is not type Entire.

Text	Logical file directive for Entire DB system file is not type Entire.
Explanation	Check the logical file directives for Entire DB system files 249/250 and the database type for the Entire DB database ID. The logical files describe the Entire DB cross-reference and data files and are defined with the NTLFILE macro in the Natural parameter module: - NTLFILE 249,xyz,f1 (SYS1) - NTLFILE 250,xyz,f2 (SYS2) Alternatively, the logical files can be defined with the dynamic profile parameter LFILE: - LFILE=(249,xyz,f1),LFILE=(250,xyz,f2) The Entire DB database ID xyz must be defined with the NTDB macro in the Natural parameter module as type ENTIRE: - NTDB ADABAS,xyz,ENTIRE Alternatively, you may use the dynamic profile parameter DB: - DB=(ADABAS,xyz,ENTIRE)
Action	Contact your Entire DB administrator.

NAT0445: C buffer being used by another application.

Text	C buffer being used by another application.
Explanation	Two applications are using the same Natural buffer. This error is detected on starting the second application and as it is desirable to protect data, the second application is not allowed to start.
Action	The problem could be resolved if the two applications were to use separate buffers - please contact technical support.

NAT0446: Statement name found in attribute expression.

Text	Statement name found in attribute expression.
Explanation	This error occurs if you have defined an attribute to a category which has the same name as a Natural keyword.
Action	Rename the attribute.

NAT0447: FIND UNIQUE not allowed for Entire files.

Text	FIND UNIQUE not allowed for Entire files.
Explanation	This statement is not supported by Entire.
Action	Correct error in program.

NAT0448: C interface - get memory buffer failed.

Text	C interface - get memory buffer failed.
Explanation	When a function written in C performs a MALLOC operation to get a work buffer, this is supplied to it by the GETMAIN# entry in the environment interface NICMAIN, which in turn gets it from the second buffer declared in the C module header. This buffer has not been defined in the Natural environment. With Natural Expert this means that no EXRSIZE or EXCSIZE could be allocated.
Action	Check whether there is enough space for the EXRSIZE or EXCSIZE as defined in the Natural parameter module, or increase the buffer size(s).

NAT0449: C work buffer too small.

Text	C work buffer too small.
Explanation	CALL <module> <routine> <arguments> On initialization of the C work buffer, the minimum size required is <size of extern/static> + 4K.
Action	This is an internal Natural Expert error, please contact technical support.

11 Natural System Error Messages 0450-0499

NAT0450: Not enough memory to run C subroutines.

Text	Not enough memory to run C subroutines.
Action	This is an internal Natural Expert error, please contact technical support.

NAT0451: Entire DB Request Handler cannot be found.

Text	Entire DB Request Handler cannot be found.
Explanation	The Entire DB Request Handler (NATDREQ) is not linked to Natural.
Action	Check the link job and re-link the Natural nucleus with module AERNAT5 included.

NAT0452: Entire cannot be initialized.

Text	Entire cannot be initialized.
Explanation	The cause is either that - there was not enough space to satisfy the request; - the Entire buffer (ZSIZE) is too small - minimum is 44; - the Adabas/Entire nucleus (AERNUC) is not accessible, because it is not linked or cannot be loaded dynamically.
Action	Contact your Entire DB administrator.

NAT0454: Relocatability error in Entire DB.

Text	Relocatability error in Entire DB.
Action	Check program and correct error.

NAT0455: First command to Entire not "DLOGON".

Text	First command to Entire not "DLOGON".
Explanation	Before accessing the Entire data in any way, a DLOGON statement must be successfully executed. This allows the user identity to be determined, the application to be set, and security check and accessibility of data to be determined.
Action	Ensure that the system calls a DLOGON before access, and correct code.

NAT0456: Invalid function code for Entire.

Text	Invalid function code for Entire.

Explanation	Entire has received a control block (same format as Adabas) which has a function code field (offset 2 in the CB) that cannot be interpreted by Entire. This is most likely caused by an incompatibility of systems and/or overwriting of the Entire work area.
Action	Produce an application dump and contact technical support.

NAT0457: Entire version incompatibility.

Text	Entire version incompatibility.
Explanation	This is caused by linking the interface CSECT DDIPFNAT (AERNUC) with another version of the initialization module ADDINIT (AERNAT).
Action	Check the Natural/Entire link job for "INCLUDE" datasets, or contact your system administrator.

NAT0458: No "RETAIN AS" set with the given name exists.

Text	No "RETAIN AS" set with the given name exists.
Explanation	This occurs when, for example, a FIND references a non-existent or released ISN set. See FIND statement, RETAIN clause, in the Entire DB Programmer"s Guide for further information.
Action	Make sure that usage of ISN sets in application program is correct.

NAT0459: Control Block is not aligned.

Text	Control Block is not aligned.

Explanation	The Control Block in direct command must be full-word aligned.
Action	Check the program and align the Control Block.

NAT0460: Record length is greater than Open length.

Text	Record length is greater than Open length.
Explanation	Entire DB has attempted to write a record via EXPORT/IMPORT to work file 1. This work file has already been opened with a record of length less than 4096 bytes.
Action	Check program for reads/writes and make sure that the first read or write is at least 4096 bytes. Alternatively, check the DCB.

NAT0461: Error in CONTROL clause of DEFINE WINDOW statement.

Text	Error in CONTROL clause of DEFINE WINDOW statement.
Explanation	The CONTROL clause of the DEFINE WINDOW statement must be specified as follows: CONTROL SCREEN, or CONTROL WINDOW. If the CONTROL clause is omitted, CONTROL WINDOW will apply by default.
Action	Check program and correct error.

NAT0462: Error in SYMBOL clause of DEFINE WINDOW statement.

Text	Error in SYMBOL clause of DEFINE WINDOW statement.

Explanation	See the Natural documentation for the correct syntax of the DEFINE WINDOW statement.
Action	Check program and correct error.

NAT0463: Invalid color or invalid attribute specified.

Text	Invalid color or invalid attribute specified.
Explanation	You have specified an invalid attribute or an invalid color code, either in the REVERSED clause or the FRAMED clause of the DEFINE WINDOW statement. The only attribute you may specify in a REVERSED or FRAMED clause is CD (color definition). The color definition must be specified as (CD=cc), where "cc" is the color code. For information on valid color codes, see the Natural documentation.
Action	Check program and correct error.

NAT0464: Window name in DEFINE/SET WINDOW missing or invalid.

Text	Window name in DEFINE/SET WINDOW stmt. missing or invalid.
Explanation	In a DEFINE/SET WINDOW statement, the name of the window must be specified directly after the keywords "DEFINE/SET WINDOW". For window names, the same rules apply as for names of user-defined variables (as described in the Natural documentation).
Action	Check program and correct error.

NAT0465: Inconsistent usage of WINDOW :1:.

Text	Inconsistent usage of WINDOW ....
Explanation	Either the window name has been defined twice in two DEFINE WINDOW statements. or a window is referenced in the program (e.g. with an INPUT WINDOW statement), but the window has not been defined in a DEFINE WINDOW statement.
Action	Check program and correct error.

NAT0466: Error in SIZE clause of DEFINE WINDOW statement.

Text	Error in SIZE clause of DEFINE WINDOW statement.
Explanation	The SIZE clause of a DEFINE WINDOW statement must be specified as one of the following: SIZE AUTO SIZE QUARTER SIZE lines * columns If the SIZE clause is omitted, SIZE AUTO will apply by default. For an explanation of the DEFINE WINDOW syntax, see the Natural documentation.
Action	Check program and correct error.

NAT0467: Error in BASE clause of DEFINE WINDOW statement.

Text	Error in BASE clause of DEFINE WINDOW statement.
Explanation	The BASE clause of the DEFINE WINDOW statement must be specified as one of the following: - BASE CURSOR - BASE TOP LEFT - BASE TOP RIGHT - BASE BOTTOM LEFT - BASE BOTTOM RIGHT - BASE line-position / column-position

	If the BASE clause is omitted, BASE CURSOR will apply by default. For an explanation of the DEFINE WINDOW syntax, see the Natural documentation.
Action	Check program and correct error.

NAT0468: Error in TITLE clause of DEFINE WINDOW statement.

Text	Error in TITLE clause of DEFINE WINDOW statement.
Explanation	In the TITLE clause of a DEFINE WINDOW statement, an alphanumeric variable or constant must be specified immediately after the keyword "TITLE".
Action	Check program and correct error.

NAT0469: CLOSE WORK FILE statement has been invalidly placed.

Text	CLOSE WORK FILE statement has been invalidly placed.
Explanation	A CLOSE WORK FILE statement must not be placed within a READ WORK FILE loop that refers to the same work file.
Action	Place the CLOSE WORK FILE statement outside the READ WORK FILE loop.

NAT0470: Operand for RET, SORTKEY or VAL function is not valid.

Text	Operand for RET, SORTKEY or VAL function is not valid.
Explanation	The operand for RET, SORTKEY or VAL must be alphanumeric. In addition, the length of the SORTKEY operand should not exceed 253.

Action	Specify an alphanumeric program name with the RET function. Do not apply the system function SORTKEY or VAL to a non-alphanumeric field. Ensure the length of the SORTKEY operand does not exceed 253.

NAT0471: Invalid operands in SUBSTRING option.

Text	Invalid operands in SUBSTRING option.
Explanation	The field name specified in the SUBSTRING option must have alphanumeric (A), binary (B) or Unicode (U) format. The starting position in the field and the length of the substring must be numeric. They must not position beyond the physical length of the underlying field.
Action	Correct error in program.

NAT0472: This user-defined name is a Natural reserved word.

Text	This user-defined name is a Natural reserved word.
Explanation	The keyword subparameter KCHECK=ON (keyword checking) of the Natural profile parameter CMPO has been set, which means that a user-defined name (identifier) must not be the same as a Natural reserved word.
Action	Use a different name.

NAT0473: Error in parameter of DEFINE PRINTER statement.

Text	Error in parameter of DEFINE PRINTER statement.

Explanation	This error occurs if one of the following conditions is not met: - The operand after "PROFILE", "FORMS" or "NAME" must be of alphanumeric format, and its length must not exceed 8. - The operand after "DISP" must be of alphanumeric format, and its length must not exceed 4. - The operand after "COPIES" must be a numeric integer (format N, P or I; without decimal digits). - Each of the above clauses must not be specified more than once.
Action	Correct error in program.

NAT0474: Field attribute DF cannot be used for this type of field.

Text	Field attribute DF cannot be used for this type of field.
Explanation	The field attribute DF can only be used for fields of type date.
Action	Correct error in program.

NAT0475: INCLUDE statements must be nested on less than 20 levels.

Text	INCLUDE statements must be nested on less than 20 levels.
Explanation	This program has INCLUDE statements nested on at least 20 levels.
Action	Reduce the number of levels on which INCLUDE statements are nested to less than 20.

NAT0476: Data size of :1: must not exceed :2:.

Text	Data size of ... must not exceed ....
Explanation	The size of a variable or a data structure exceeds the maximum size allowed.
Action	Reduce the size of the variable or data structure.

NAT0477: Numeric value supplied is out of valid range :1:.

Text	Numeric value supplied is out of valid range ....
Explanation	The value specified is out of the permitted bounds.
Action	Supply a correct numeric value.

NAT0478: Incorrect usage or specification of CODEPAGE clause.

Text	Incorrect usage or specification of CODEPAGE clause.
Explanation	The CODEPAGE clause can only be used for operands of format A or B.
Action	Correct error in program.

NAT0479: Invalid operand type combination in MOVE ENCODED statement.

Text	Invalid operand type combination in MOVE ENCODED statement.

Explanation	The MOVE ENCODED statement is used to convert data from one code page encoding into another encoding. Therefore you have to either supply one of the operands as an alphanumeric or binary field with a CODEPAGE clause appended, or specify one operand as alphanumeric or binary and the other operand as type Unicode. Valid operand combinations are: MOVE ENCODED A/B IN CODEPAGE <cp1> TO U MOVE ENCODED A/B IN CODEPAGE <cp1> TO A/B MOVE ENCODED A/B IN CODEPAGE <cp1> TO A/B IN CODEPAGE <cp2> MOVE ENCODED U TO A/B IN CODEPAGE <cp2> MOVE ENCODED A/B TO A/B IN CODEPAGE <cp2> MOVE ENCODED U TO A/B MOVE ENCODED A/B TO U
Action	Correct error in program.

NAT0480: Incorrect usage of field attribute SB.

Text	Incorrect usage of field attribute SB.
Explanation	A selection-box clause (SB=..) may only be used for alphanumeric fields. Moreover, - the parameter fields specified have to be alphanumeric as well, - the number of parameter fields must not exceed 20. A selection-box clause (SB=..) must NOT be used for - fields defined as named constants (see CONST clause in DEFINE DATA), - system variables (e.g. *PROGRAM, *COM), - multiple-value fields (e.g. #ARRAY(1:10)).
Action	Check program and correct error.

NAT0481: Multiple usage of a SB= or RB= clause not permitted.

Text	Multiple usage of a SB= or RB= clause not permitted.

Explanation	You may not define more than one Selection-Box (SB=..) or Radio-Button (RB=..) clause for an INPUT field.
Action	Check program and correct error.

NAT0482: Length indicator cannot be referenced in UPDATE or STORE.

Text	Length indicator cannot be referenced in UPDATE or STORE.
Explanation	A length indicator field may be used to retrieve the length of an Adabas Long-Alpha or LOB field (LA/LOB) in a read (READ/FIND) operation. It must not be referenced in a view used in a STORE or UPDATE statement. Example: DEFINE DATA LOCAL 1 V1 V1 VIEW OF MYFILE 2 L@LA-FIELD (I4) <-- Length indicator field 2 LA-FIELD (A) DYNAMIC END-DEFINE STORE V1 If an LA or LOB field is part of the STORE/UPDATE field list,the corresponding length field information is automatically added by the Natural runtime system, based on the current length of the dynamic variable. To prevent a duplicate length setting for the same LA/LOB field, length fields are not allowed in the STORE/UPDATE fields.
Action	Remove length fields from data view used in UPDATE or STORE.

NAT0483: Index missing for sub-/super-descriptor field :1:.

Text	Index missing for sub-/super-descriptor field ....
Explanation	A sub-/super-descriptor field containing a periodic-group field (or parts thereof) was specified in a data view without index. This is not permitted by Adabas for database calls other than HISTOGRAM (L9). With a HISTOGRAM you cannot read more than a single field. This view definition consists of multiple fields and thus cannot be used for a HISTOGRAM. Furthermore, due to the missing index, it cannot be used for other database calls. What to do? 1. Reduce the number of view fields to only the sub-/super-descriptor - without index to make the view usable for HISTOGRAM only; - with an index to make the view usable for all browsing statements.

	2. If multiple fields are defined in the view, supply an index or index-range for the sub-/super-descriptor to make it usable for all database browsing statements other than HISTOGRAM.
Action	See description.

NAT0484: Field structure of view :1: only usable for HISTOGRAM.

Text	Field structure of view ... only usable for HISTOGRAM.
Explanation	The view referenced is only applicable to a HISTOGRAM statement, as it consists of only a single sub-/super-descriptor field containing a periodic-group field (or parts thereof) without an index specification. This is not permitted by Adabas and will cause Adabas errors when used with a database statement other than HISTOGRAM.
Action	Supply index or index-range for the sub-/super-descriptor field, or use the view only for HISTOGRAM statements.

NAT0485: Incorrect use of WITH SHARED HOLD MODE=C in :1: at line :2:.

Text	Incorrect use of WITH SHARED HOLD MODE=C in ... at line ....
Explanation	When a WITH SHARED HOLD MODE=C option is used in a READ/FIND, a record being read is only returned to the caller if it is not in exclusive hold status by another user at the time of the record fetch. The record is not put in hold status by this operation. This conflicts with the use of a DELETE/UPDATE statement which refers to the READ/FIND including the WITH SHARED HOLD MODE=C option, because the execution of a DELETE/UPDATE requires for the underlying record to be in hold status.
Action	Do not use WITH SHARED HOLD MODE=C option in a READ/FIND if the record received is updated or deleted.

NAT0486: Error in READLOB/UPDATELOB statement. Reason code :1:.

Text	Error in READLOB/UPDATELOB statement. Reason code ....
Explanation	Reason codes: 01: No WITH ISN clause specified, but a default reference could not be found. 02: Auto-referenced statement has no *ISN. 03: Auto-referenced statement accesses different DBID/FNR. 04: Incorrect view name specified. 05: Specified view does not contain a field. 06: View field is no LOB field. 07: View field must be of format Alpha/Binary/Unicode with a fixed (non "dynamic") length. 08: View field not unique in view.
Action	Check program and correct error.

NAT0487: END-READLOB missing for READLOB in line :1:.

Text	END-READLOB missing for READLOB in line ....
Explanation	In structured mode, a READLOB statement must be terminated by a corresponding END-READLOB statement. Example: READLOB ... DISPLAY COMPUTE ... END-READLOB
Action	Supply END-READLOB to close the READLOB loop.

NAT0488: Label/line does not match label at line :1:.

Text	Label/line does not match label at line ....
Explanation	The label/line specified after END-... is not same as the label/line assigned to the closed processing loop. The line number of the closed loop is indicated in the error message.
Action	Correct the label/line specification or remove this reference.

12 Natural System Error Messages 0550-0599

NAT0597: Program code not compatible with Version 8.2. Reason :1:.

Text	Program code not compatible with Version 8.2. Reason ....
Explanation	Compiler parameter V82COMP=ON is set. The following syntax constructions are not accepted by Natural Version 8.2. Possible reason codes: 19: Wrong system variable. 20: COMPRESS field of type LOGICAL. 21: COMPRESS field with (EM=..) 22: READ WORK nbr as CONST variable 23: READ DESCENDING BY ISN 24: READ BY ISN .. TO .. For a more detailed error description, see the compiler parameter V82COMP (NTCMPO macro) in the Natural documentation.
Action	Do not use the indicated programming feature, or set V82COMP=OFF.

13 Natural System Error Messages 0600-0649

NAT0600: "END-IF" missing for IF statement in line :1:.

Text	"END-IF" missing for IF statement in line ....
Explanation	In structured mode, an IF statement block must be terminated with a corresponding END-IF statement. Example: READ ... IF ... COMPUTE ... COMPUTE ... END-IF DISPLAY END-READ END
Action	Correct error in program.

NAT0601: "END-START" missing for AT START OF DATA in line :1:.

Text	"END-START" missing for AT START OF DATA in line ....

Explanation	In structured mode, an AT START OF DATA statement block must be terminated with a corresponding END-START statement. Example: READ ... AT START OF DATA MOVE ... DISPLAY ... END-START DISPLAY ... END-READ END
Action	Correct error in program.

NAT0602: "END-ENDDATA" missing for AT END OF DATA in line :1:.

Text	"END-ENDDATA" missing for AT END OF DATA in line ....
Explanation	In structured mode, an AT END OF DATA statement block must be terminated with a corresponding END-ENDDATA statement. Example: READ ... AT END OF DATA COMPUTE ... DISPLAY ... END-ENDDATA DISPLAY ... END-READ END
Action	Correct error in program.

NAT0603: "END-BREAK" missing for AT BREAK statement in line :1:.

Text	"END-BREAK" missing for AT BREAK statement in line ....

Explanation	In structured mode, an AT BREAK statement block must be terminated by a corresponding END-BREAK statement. Example: READ ... AT BREAK ... DISPLAY ... END-BREAK DISPLAY END-READ END
Action	Correct error in program.

NAT0604: "END-TOPPAGE" missing for AT TOP OF PAGE in line :1:.

Text	"END-TOPPAGE" missing for AT TOP OF PAGE in line ....
Explanation	In structured mode, an AT TOP OF PAGE statement block must be terminated by a corresponding END-TOPPAGE statement. Example: READ ... DISPLAY ... AT TOP OF PAGE WRITE ... END-TOPPAGE DISPLAY ... END-READ END
Action	Correct error in program.

NAT0605: "END-ENDPAGE" missing for AT END OF PAGE in line :1:.

Text	"END-ENDPAGE" missing for AT END OF PAGE in line ....

Explanation	In structured mode, an AT END OF PAGE statement block must be terminated by a corresponding END-ENDPAGE statement. Example: READ ... AT END OF PAGE DISPLAY ... WRITE TRAILER ... END-ENDPAGE DISPLAY ... END-READ END
Action	Correct error in program.

NAT0606: "END-BEFORE" missing for BEFORE BREAK in line :1:.

Text	"END-BEFORE" missing for BEFORE BREAK in line ....
Explanation	In structured mode, a BEFORE BREAK PROCESSING statement block must be terminated by a corresponding END-BEFORE statement.
Action	Correct error in program.

NAT0607: "END-NOREC" missing for IF NO RECORDS FOUND.

Text	"END-NOREC" missing for IF NO RECORDS FOUND.
Explanation	In structured mode, an IF NO RECORDS FOUND clause must be terminated with a corresponding END-NOREC statement. Example: FIND ... IF NO RECORDS FOUND DISPLAY ... END-NOREC DISPLAY END-FIND

Action	Correct error in program.

NAT0608: "END-ENDFILE" missing for AT END OF FILE in line :1:.

Text	"END-ENDFILE" missing for AT END OF FILE in line ....

Explanation	In structured mode, an AT END OF FILE statement block must be terminated by a corresponding END-ENDFILE statement.
	Example:
	`READ WORK FILE`
	`AT END OF FILE`
	`COMPUTE ...`
	`DISPLAY ...`
	`END-ENDFILE`
	`DISPLAY ...`
	`END`

Action	Correct error in program.

NAT0609: "END-ERROR" missing for ON ERROR statement in line :1:.

Text	"END-ERROR" missing for ON ERROR statement in line ....

Explanation	In structured mode, an ON ERROR statement block must be terminated by a corresponding END-ERROR statement.
	Example:
	`FIND ...`
	`UPDATE ...`
	`ON ERROR`
	`RETRY`
	`END-ERROR`
	`END TRANSACTION`
	`END-FIND`
	`END`

Action	Correct error in program.

NAT0610: This statement is not permitted in reporting mode.

Text	This statement is not permitted in reporting mode.
Explanation	An attempt was made to issue a statement which is valid in structured mode only.
Action	Make sure you are working in the correct programming mode.

NAT0611: Loop/condition not properly closed.

Text	Loop/condition not properly closed.
Explanation	An active loop or condition was not properly closed. For example, in structured mode, a FIND statement was issued without a corresponding END-FIND statement.
Action	Check program and correct error.

NAT0612: Specified close loop only permitted in structured mode.

Text	Specified close loop only permitted in structured mode.
Action	Check programming mode, program, and correct error.

NAT0613: END-FIND/END-SELECT missing for FIND/SELECT in line :1:.

Text	END-FIND/END-SELECT missing for FIND/SELECT in line ....

Explanation	In structured mode, a loop initiated with a FIND/SELECT statement must be closed with a corresponding END-FIND/END-SELECT statement.
	Examples:
	`  FIND ...  *  SELECT ...`
	`  UPDATE  *  DISPLAY ...`
	`  END TRANSACTION  *  END-SELECT`
	`  END-FIND  *`

Action	Supply END-FIND/END-SELECT to close the FIND/SELECT loop.

NAT0614: END-READ missing for READ in line :1:.

Text	END-READ missing for READ in line ....

Explanation	In structured mode, a READ statement must be followed by a corresponding END-READ statement.
	Example:
	`  READ ...`
	`  DISPLAY`
	`  COMPUTE ...`
	`  END-READ`

Action	Supply END-READ to close the READ loop.

NAT0615: END-HISTOGRAM missing for HISTOGRAM in line :1:.

Text	END-HISTOGRAM missing for HISTOGRAM in line ....

Explanation	In structured mode, a HISTOGRAM statement must be followed by a corresponding END-HISTOGRAM statement.
	Example:
	`  HISTOGRAM ...`
	`  DISPLAY ...`
	`  END-HISTOGRAM`

Action	Supply END-HISTOGRAM to close the HISTOGRAM loop.

NAT0616: END-SORT missing for SORT in line :1:.

Text	END-SORT missing for SORT in line ....
Explanation	In structured mode, a SORT statement must be followed by a corresponding END-SORT statement. Example: FIND ... END-ALL SORT ... DISPLAY ... END-SORT
Action	Supply END-SORT to close the SORT loop.

NAT0617: END-REPEAT missing for REPEAT in line :1:.

Text	END-REPEAT missing for REPEAT in line ....
Explanation	In structured mode, a REPEAT statement must be followed by a corresponding END-REPEAT statement. Example: REPEAT ... ... END-REPEAT
Action	Supply END-REPEAT to close the REPEAT loop.

NAT0618: END-FOR missing for FOR in line :1:.

Text	END-FOR missing for FOR in line ....
Explanation	In structured mode, a FOR statement must be followed by a corresponding END-FOR statement. Example: FOR ... ... END-FOR
Action	Supply END-FOR to close the FOR loop.

NAT0619: END-WORK missing for READ WORK FILE in line :1:.

Text	END-WORK missing for READ WORK FILE in line ....
Explanation	In structured mode, a READ WORK FILE statement must be followed by a corresponding END-WORK statement. Example: READ WORK FILE ... ... END-WORK
Action	Supply END-WORK to close the READ WORK FILE loop.

NAT0620: END-FILE missing for CALL FILE in line :1:.

Text	END-FILE missing for CALL FILE in line ....
Explanation	In structured mode, a CALL FILE statement must be followed by a corresponding END-FILE statement. Example: CALL FILE ... ... END-FILE

Action	Supply END-FILE to close the CALL FILE loop.

NAT0621: END-LOOP missing for CALL LOOP in line :1:.

Text	END-LOOP missing for CALL LOOP in line ....
Explanation	In structured mode, a CALL LOOP statement must be followed by a corresponding END-LOOP statement. Example: CALL LOOP ... ... END-LOOP
Action	Supply END-LOOP to close the CALL LOOP loop.

NAT0622: RETURN/END-SUBROUTINE missing for DEFINE SUBROUTINE in line :1:.

Text	RETURN/END-SUBROUTINE missing for DEFINE SUBROUTINE in line ....
Explanation	This error occurs under one of the following conditions: 1) A subroutine was started in a conditional statement block (e.g. IF, DECIDE) or in a loop-initiating statement (e.g. REPEAT, FIND), but it was not closed at the end of this statement (e.g. END-IF, END-REPEAT,). Examples: | IF FIELD = "A" THEN | REPEAT | | DEFINE SUBROUTINE ABC | DEFINE SUBROUTINE ABC | | WRITE "HELLO" | WRITE "HELLO" | | END-IF | END-REPEAT | 2) A subroutine was started, but it was still not closed at program end. Example: DEFINE SUBROUTINE ABC END
Action	Supply RETURN or END-SUBROUTINE to close the subroutine.

NAT0623: Variable/field/view must be defined in DEFINE DATA.

Text	Variable/field/view must be defined in DEFINE DATA.
Explanation	If a DEFINE DATA statement is present, all variables/fields to be used must be defined in the DEFINE DATA statement in an LDA, GDA or PDA, which are referenced with the keyword USING in the DEFINE DATA statement. If this error occurs for a DDM and a DEFINE DATA statement is present, a view of the DDM (and of any database field referenced in the program) must be defined in the DEFINE DATA statement.
Action	Check program and correct error.

NAT0624: Statement END-... either missing or misplaced.

Text	Statement END-... either missing or misplaced.
Explanation	Example: READ ... IF AGE > 65 THEN COMPUTE ... DISPLAY ... END-READ END-IF END The statement END-IF must be before the END-READ and after the last statement to be executed in the THEN-clause of the IF-statement. This could be after the COMPUTE or the DISPLAY statement, depending on the actual function the program is to perform. Statements with the syntax "xxx ... END-xxx" must be correctly paired.
Action	Make sure that all statement blocks are terminated with corresponding "END-..." statements, and that the "xxx" and "END-xxx" statements are correctly paired.

NAT0625: END-DECIDE missing for DECIDE statement.

Text	END-DECIDE missing for DECIDE statement.
Explanation	A statement block initiated with a DECIDE ON or DECIDE FOR statement must be terminated with an END-DECIDE statement. This error may also occur if an END-DECIDE statement is misplaced.
Action	Make sure that each DECIDE statement is correctly paired with a corresponding END-DECIDE statement.

NAT0626: Statement not supported with :1:.

Text	Statement not supported with ....
Explanation	The statement cannot be used with the database type you are using. For details as to which statements support which database types, see the Natural documentation.
Action	Check program and correct error.

NAT0627: Value range with keyword "TO" not supported for :1:.

Text	Value range with keyword "TO" not supported for ....
Explanation	The statement option "TO" cannot be used with the database type you are using. When "TO" is used to specify a value range in a READ or HISTOGRAM statement, the end-value check will not be done by Natural, but is performed by the database. However, this requires a corresponding capability of the accessed database. For HISTOGRAM or READ BY DESCRIPTOR Option "TO" can only be used if running against Adabas V7 (or above), VSAM, DL/I or Db2. For READ BY ISN Option "TO" can only be used if running against Adabas V86 (or above). For details as to which statements support which database types, see the Natural documentation.

Action	Check program and correct error.

NAT0628: Invalid usage of MULTI-FETCH option for :1:.

Text	Invalid usage of MULTI-FETCH option for ....
Explanation	The MULTI-FETCH option can only be used if the underlying database is Adabas. The MULTI-FETCH option is not permitted, if a - READ or HISTOGRAM statement contains a "DYNAMIC .. SEQUENCE" clause; - READ or FIND statement contains an "IN SHARED HOLD" clause. For further details, see the Natural documentation.
Action	Check program and correct error.

NAT0629: Incompatible range combinations in relational expression.

Text	Incompatible range combinations in relational expression.
Explanation	When two arrays are compared in a relational expression, the number of occurrences in each dimension of the one array must match the number of occurrences in the corresponding dimension of the other array. If no corresponding dimension is defined for the other array, the dimension is assumed to be 1. A variable number of occurrences in one dimension must not be compared with a fixed number of occurrences in the corresponding dimension of the other array.
Action	Correct error in program.

NAT0630: Error in RESET INITIAL statement.

Text	Error in RESET INITIAL statement.
Explanation	See the Natural documentation for information on the correct usage of the RESET INITIAL statement. Note in particular that a RESET INITIAL of fields resulting from a redefinition is not possible, and RESET INITIAL cannot be applied to database fields.
Action	Check program and correct error.

NAT0631: Invalid index specified in arithmetic/ASSIGN statement.

Text	Invalid index specified in arithmetic/ASSIGN statement.
Action	Check program and correct error.

NAT0632: Invalid view structure defined for HISTOGRAM statement.

Text	Invalid view structure defined for HISTOGRAM statement.
Explanation	When using the HISTOGRAM statement with a view, it must be defined with only one variable: the search variable.
Action	Check program and correct error.

NAT0633: Invalid use of view which contains super-/subdescriptor.

Text	Invalid use of view which contains super-/subdescriptor.

Explanation	Depending on the Adabas version, a sub- or superdescriptor may be read with a HISTOGRAM statement only or with all database access statements. However, an UPDATE or STORE statement must not be applied to a sub- or superdescriptor.
Action	Correct error in program.

NAT0634: Access criterion not supported for this type of database.

Text	Access criterion not supported for this type of database.
Explanation	The DBID of this DDM identifies a non-Adabas database. Non-Adabas databases introduce certain restrictions for Natural"s database-access statements.
Action	See the Natural documentation for restrictions which apply to the type of database you wish to access.

NAT0635: Incorrect use of "BY VALUE" or "OPTIONAL" in DEFINE DATA.

Text	Incorrect use of "BY VALUE" or "OPTIONAL" in DEFINE DATA.
Explanation	The keyword "BY VALUE" or "OPTIONAL" may only be supplied for fields defined in a DEFINE DATA PARAMETER clause. However, this is not permitted for REDEFINE fields or groups.
Action	Correct error in program.

NAT0636: Incorrect usage of STARTING WITH ISN clause for :1:.

Text	Incorrect usage of STARTING WITH ISN clause for ....

Explanation	A STARTING WITH ISN clause can only be used for - Adabas access : FIND READ logical READ physical - VSAM access : READ physical
Action	Correct error in program.

NAT0637: Invalid USING clause specified.

Text	Invalid USING clause specified.
Explanation	Invalid USING clause specified in OPEN CONVERSATION statement. Possible reasons for this error are: 1. Keyword USING missing. 2. Incorrect object name specified. Either a constant or a variable of type alpha and length <= 8 is expected.
Action	Correct error in program.

NAT0638: Invalid clause in CLOSE CONVERSATION statement.

Text	Invalid clause in CLOSE CONVERSATION statement.
Explanation	The operand in a CLOSE CONVERSATION statement is incorrect. Please specify keyword ALL or *CONVID or a variable of type (I4).
Action	Correct error in program.

NAT0639: Referenced GDA cannot be converted to the current version.

Text	Referenced GDA cannot be converted to the current version.
Explanation	When a GDA cataloged with Version 2.2, 2.3 or 3.1 is referenced in a DEFINE DATA GLOBAL statement, the GDA contents will automatically be converted to the layout required by the current Natural version. However, for internal reasons, this does not work for this GDA object.
Action	Recatalog the GDA.

NAT0640: Label reference not permitted for this statement type.

Text	Label reference not permitted for this statement type.
Explanation	Labels may be used to reference the following statements only: FIND, READ, GET, HISTOGRAM, SORT, FOR, CALL FILE, CALL LOOP, STORE and REPEAT.
Action	Check program and correct error.

NAT0641: Invalid DEFINE PRINTER statement syntax.

Text	Invalid DEFINE PRINTER statement syntax.
Explanation	The correct syntax is: DEFINE PRINTER (logical-name = n) OUTPUT operand1 where "logical-name" is the name allocated to printer, "n" is the printer number in range from 1 to 31, "operand1" is the destination within the online spooling system. Additional reports can be assigned for default with the following names: SOURCE - Output in the Natural source area. CONNECT - Output into a Con-nect folder. DUMMY - Output to be deleted. HARDCOPY - Output to the current hardcopy device.

Action	Check program and correct error.

NAT0642: Invalid definition of OUTPUT variable/constant.

Text	Invalid definition of OUTPUT variable/constant.
Explanation	This field must be specified with format A8.
Action	Check program and correct error.

NAT0643: END-PROCESS missing for PROCESS PAGE MODAL in line :1:.

Text	END-PROCESS missing for PROCESS PAGE MODAL in line ....
Explanation	This error occurs under one of the following conditions: 1) A PROCESS PAGE MODAL statement was started in a conditional statement block (e.g. IF, DECIDE) or in a loop-initiating statement (e.g. REPEAT, FIND), but it has not been closed yet at the end of this statement (e.g. END-IF or END-REPEAT). Examples: IF FIELD = "A" THEN * REPEAT PROCESS PAGE MODAL * PROCESS PAGE MODAL MOVE #A TO #B * MOVE #A TO #B END-IF * END-REPEAT 2) A PROCESS PAGE MODAL statement was started, but not yet closed at program end. Example: PROCESS PAGE MODAL END
Action	Supply END-PROCESS to close the PROCESS PAGE MODAL block.

NAT0644: Maximum number of parameters exceeded.

Text	Maximum number of parameters exceeded.
Explanation	The number of parameters permitted in a CALLNAT or PERFORM statement is limited to 4096.
Action	Reduce the number of parameters.

NAT0645: END-PARSE missing for PARSE JSON/XML in line :1:.

Text	END-PARSE missing for PARSE JSON/XML in line ....
Explanation	In structured mode, a PARSE JSON/XML statement must be followed by a corresponding END-PARSE statement. Example: PARSE XML #DOC DISPLAY .. END-PARSE
Action	Supply keyword END-PARSE to close the PARSE JSON/XML loop.

NAT0646: :1: missing for :2: in line :3:.

Text	... missing for ... in line ....
Explanation	In the case of flexible SQL syntax, the characters ">>" are not recognized for the matching "<<" characters. Probably a Natural comment sign "/*" is contained in the flexible SQL string between the characters "<<" and ">>".
Action	Check the flexible SQL syntax for the characters ">>".

NAT0648: Parameter :1: inconsistently specified. Reason code :2:.

Text	Parameter ... inconsistently specified. Reason code ....
Explanation	The parameter supplied in a CALLNAT statement or a function call is not compatible with the corresponding parameter definition in the subprogram or function. Reason codes: 04 : The CALLNAT or function call parameter is specified as an empty parameter ("nX"), but the parameter definition in the subprogram or function is not "OPTIONAL". 08 : A mandatory parameter in the subprogram or function definition is missing in the CALLNAT statement or function call. 12 : Parameters do not match in format. 16 : Parameters do not match in length. 20 : Parameters do not match in array definitions.
Action	Supply compatible parameter specifications.

NAT0649: Database type :1: is not supported.

Text	Database type ... is not supported.
Explanation	The database type is not supported in the current Natural version.
Action	Use another database type.

14 Natural System Error Messages 0650-0699

NAT0650: Incorrect comparator used in READ/HISTOGRAM for :1:.

Text	Incorrect comparator used in READ/HISTOGRAM for ....
Explanation	The comparators LT, GT, LE and GE cannot be used with the database type you are using. When the comparator LT, GT, LE or GE is used in a READ/HISTOGRAM statement, the underlying database has to be Adabas Version 7 (or above), VSAM, DL/I or Db2. Moreover, when a Super Natural user file is accessed, the comparators LT, GT, LE and GE are not applicable. For details as to which statements support which database types, see the Natural documentation.
Action	Check program and correct error.

NAT0651: Number of parameters (:1: / :2:) do not match.

Text	Number of parameters (CALLNAT NBR/SUBPGM NBR) do not match.
Explanation	The number of parameters defined in the referenced subprogram and supplied in the CALLNAT do not match.

NAT0652: Sequence clause not valid for :1:.

Text	Sequence clause not valid for ....
Explanation	The specified database defined by the view name does not support the processing of records in the specified sequence in a READ or HISTOGRAM statement. In a READ .. IN LOGICAL SEQUENCE .. and HISTOGRAM statement, the use of DESCENDING requires Adabas Version 6.1 (or above), VSAM or Db2; VARIABLE requires Adabas Version 6.2 (or above), VSAM or Db2; DYNAMIC requires Adabas Version 7 (or above), or Db2; In a READ .. BY ISN .. statement, the use of DESCENDING or VARIABLE requires Adabas Version 8.6 (or above); DYNAMIC is not allowed. In a READ .. IN PHYSICAL SEQUENCE .. statement, the use of DESCENDING or VARIABLE requires VSAM or Db2; DYNAMIC requires Db2.
Action	Correct the specified database view or sequence clause.

NAT0653: Invalid direction operand specified.

Text	Invalid direction operand specified.
Explanation	The field (#DIR) used to control the read direction in a READ ... IN VARIABLE #DIR SEQUENCE ... or READ ... IN DYNAMIC #DIR SEQUENCE ...statement is not correctly specified. The expected format/length is (A1).
Action	Check program and correct error.

NAT0654: Invalid use or definition of NULL indicator field.

Text	Invalid use or definition of NULL indicator field.

Explanation	One of the following situations was encountered: 1. A NULL indicator field (N@..) is not defined in the DDM with format/length (I2). 2. A NULL indicator field used as a search variable can only be used with the equal value operator ("=", EQ). Other operations (like NE, LT, ..) are not permitted. 3. A NULL indicator field must not be used as a sort field in a FIND .. SORTED BY .. clause. 4. If the FIND statement is generated for Db2 access, the search value supplied must be a numeric constant. On mainframe platforms, "@" is the character with the hexadecimal value H"7C".
Action	Check program and correct error.

NAT0655: Incorrect use of WITH REPOSITION clause for :1:.

Text	Incorrect use of WITH REPOSITION clause for ....
Explanation	Repositioning in an active loop by using READ ... WITH REPOSITION ... is only allowed for a READ logical statement if the underlying database is Adabas Version 7 (or above), VSAM or DL/I.
Action	Remove the WITH REPOSITION clause, or correct the database type definition (see also profile parameter DB).

NAT0656: Specified column :1: of ORDER BY clause is not unique.

Text	Specified column ... of ORDER BY clause is not unique.
Explanation	Column names specified within the ORDER BY clause must be unique within the select column list.

Action	Either define a unique name using the AS clause within the select column list and use this name or specify the number representing the position of the column within the select column list as order criteria.

NAT0657: Join-expression operands belong to same set of tables.

Text	Join-expression operands belong to same set of tables.
Explanation	The join-expression operands on different sides of the join-expression must belong to separate sets of joined-tables.
Action	Correct the join-expression so that the join-expression operands belong to separate tables.

NAT0658: Indicator variable not allowed for dynamic text variables.

Text	Indicator variable not allowed for dynamic text variables.
Explanation	The specification of indicator variables for dynamic text variables is not allowed.
Action	Remove the indicator variable from the dynamic text variable.

NAT0659: Illegal use of keyword UR within the WITH clause.

Text	Illegal use of keyword UR within the WITH clause.
Explanation	The specification of "WITH UR" is only valid in select statements. In DELETE, UPDATE, and INSERT statements, the WITH clause can be specified only with the keyword CS or RR.

Action	Change the keyword in the WITH clause to either CS or RR or else omit the WITH clause.

NAT0660: Time-stamp inconsistency for segments of GDA :1:.

Text	Time-stamp inconsistency for segments of GDA ....
Explanation	The object and symbol table of a GDA were loaded, but their time stamps differ. Using such inconsistent GDA segments would cause odd compiler malfunctions. Usually both items should have the same creation time stamp, because they are built at the same time when a GDA is cataloged. The inconsistency be due to the GDA having been cataloged at almost the same time in different Natural sessions which do not share the same buffer pool.
Action	Remove the GDA object and the symbol table from buffer pool with the SYSBPM utility. Then retry to catalog the program.

NAT0661: Restored joinlists level/layer doesn"t match actual layer.

Text	Restored joinlists level/layer doesn"t match actual layer.
Explanation	An internal compiler error occurred. For processing nested joined-tables, the compiler saves the joinlists with the context of the select level/layer on a stack. While restoring such a saved joinlist entry, the compiler detected that the actual level/layer did not match the saved select level/layer. This indicates that compiler processing in erroneous.
Action	Contact customer service.

NAT0662: Too many tables used in SELECT statement.

Text	Too many tables used in SELECT statement.
Explanation	The compiler can only process a maximum of 256 tables within one SQL statement. This limit has been exceeded.
Action	Use fewer tables in the SELECT statement.

NAT0663: Internal error: compiler detected a select level of zero.

Text	Internal error: compiler detected a select level of zero.
Explanation	The compiler detected a select level of zero, although this value should always be greater than zero. This is the result of an internal error.
Action	Contact customer service.

NAT0664: Nesting level of SELECT clauses exceeds maximum.

Text	Nesting level of SELECT clauses exceeds maximum.
Explanation	The compiler can only process SELECT statements which have a SELECT clause nesting level of ten or less.
Action	Do not nest SELECT clauses more than ten times.

NAT0665: Too many SELECT statements on a single nesting level.

Text	Too many SELECT statements on a single nesting level.
Explanation	The compiler can only process up to 255 SELECT statements on a single level of nested SELECT statements.
Action	Reduce the number of SELECT statements on a single level.

NAT0666: Continue with creation of program after help request.

Text	Continue with creation of program after help request.
Explanation	This message does not indicate that an error condition exists. It is used only to re-display the last program line for modification, and to indicate that program creation may continue now that the help function was terminated normally.
Action	Carry on programming.

NAT0667: Online help not available in batch mode.

Text	Online help not available in batch mode.
Action	Check program and correct error.

NAT0668: Invalid block name specified or block does not exist.

Text	Invalid block name specified or block does not exist.

Action	Check program and correct error.

NAT0669: The symbol table (SYT) of the GDA :1: could not be loaded.

Text	The symbol table (SYT) of the GDA ... could not be loaded.
Explanation	During compilation, the symbol table of the GDA referenced in the DEFINE DATA GLOBAL statement must be loaded. The load request failed and the compiler could not continue. Possible reason: The symbol table of the GDA object was removed when it was transferred with SYSOBJH/INPL.
Action	Provide a GDA including the symbol table.

NAT0670: "SELECT" missing after "UNION".

Text	"SELECT" missing after "UNION".
Explanation	The SELECT statement contains the keyword "UNION", which indicates that the SELECT statement is to be continued with a further sub-SELECT. The keyword "UNION" must be followed by the keyword "SELECT", which indicates the beginning of the subsequent sub-SELECT.
Action	Correct error in program.

NAT0671: "INTO" or "FROM" missing or misplaced.

Text	"INTO" or "FROM" missing or misplaced.
Explanation	The first SELECT statement of a UNION-concatenated SELECT construct must contain an INTO clause after the selection list. Any subsequent SELECT must not contain an INTO clause.

Action	Correct error in program.

NAT0672: Invalid specification of order element.

Text	Invalid specification of order element.
Explanation	Only integer-type constants and column variables are allowed as order elements. If the SELECT construct includes a "UNION", only integer-type constants or unqualified column names are allowed in ORDER BY. If the SELECT contains receiving dynamic fields, integer-type constants are not allowed, because receiving values might be truncated.
Action	Correct error in program.

NAT0673: Number of :1: and :2: elements do not match.

Text	Number of list-1 and list-2 elements do not match.
Explanation	The elements of list-1 and list-2 do not match. The number of specified list-1 elements must be the same as the number of list-2 elements. Where a view can be used instead of a list, only the actual data variables are considered, whereas redefined fields and groups are ignored.
Action	Correct the number of elements in lists involved in the SQL statement.

NAT0674: Invalid expression definition in SELECT list.

Text	Invalid expression definition in SELECT list.
Explanation	The specified SELECTION-list element is an invalid scalar expression.
Action	Correct error in program.

NAT0675: Invalid definition of INTO list/indicator variable.

Text	Invalid definition of INTO list/indicator variable.
Explanation	The specification of an INTO-list variable or an indicator variable is not valid. If an INTO-list variable has either not yet been defined or been defined more than once, Natural requires a proper format/length definition. An indicator variable must be of format/length (B2) or (I2).
Action	Correct error in program.

NAT0676: Invalid view name definition or view not found.

Text	Invalid view name definition or view not found.
Explanation	The specified view name is invalid or the view is not found in the program.
Action	Correct error in program.

NAT0677: Invalid scalar-function expression.

Text	Invalid scalar-function expression.
Action	Correct error in program.

NAT0678: Invalid aggregate-function expression.

Text	Invalid aggregate-function expression.
Explanation	The argument specified for a COUNT, SUM, AVG, MAX or MIN function is incorrect.
Action	Correct error in program.

NAT0679: Invalid table name specified, or database is not Db2.

Text	Invalid table name specified, or database is not Db2.
Explanation	The specified table name is not a valid identifier. The database ID of the referenced DDM is not labeled as a Db2 database in the NTDB macro. Another reason for this error may be that the table specification includes an explicit authorization identifier, and the table name contains a hyphen; for example: SELECT ... FROM SQL.SQL-TABLE ... This is invalid. When a table name that contains a hyphen is used, it must not be prefixed with an explicit authorization identifier.
Action	Use valid table name; or do not use this statement for this type of database, or contact your Natural administrator.

NAT0680: The specified condition is invalid.

Text	The specified condition is invalid.
Explanation	Within the specified search-condition, Natural cannot resolve the specified condition, because the condition does not exist or is specified incompletely or incorrectly.
Action	Correct error in program.

NAT0681: Invalid condition specified.

Text	Invalid condition specified.
Explanation	This error may be caused by one of the following situations: - The subquery in an EXISTS condition is specified incorrectly. - For an opening parenthesis in a search-condition, the corresponding closing parenthesis is missing.
Action	Correct error in program.

NAT0682: Invalid LIKE condition specified.

Text	Invalid LIKE condition specified.
Explanation	One of the "atoms" specified after "LIKE" or after "ESCAPE" in a LIKE condition is invalid: an atom must be a constant or a valid user-defined variable.
Action	Correct error in program.

NAT0683: Keyword "NULL" missing in "IS <NOT> NULL" condition.

Text	Keyword "NULL" missing in "IS <NOT> NULL" condition.
Action	Correct error in program.

NAT0684: Invalid BETWEEN or IN condition specified.

Text	Invalid BETWEEN or IN condition specified.
Explanation	This error may be caused by one of the following situations: - The scalar-expression after "BETWEEN" or after "AND" in a BETWEEN condition is invalid. - The keyword "AND" in a BETWEEN condition is missing. - In an IN condition, the specified subquery is invalid, or the specified atoms are invalid, or the list of atoms is not enclosed correctly in parentheses.
Action	Correct error in program.

NAT0685: Wrong subquery in ALL/ANY/SOME condition.

Text	Wrong subquery in ALL/ANY/SOME condition.
Explanation	The subquery after the keyword "ALL", "ANY" or "SOME" is either missing or incorrect.
Action	Correct error in program.

NAT0686: Invalid subquery.

Text	Invalid subquery.
Explanation	After the opening parenthesis and the keyword "SELECT" in a subquery, the selection or table-expression is missing or invalid, or the closing parenthesis at the end of the subquery is missing.
Action	Correct error in program.

NAT0687: Invalid column-reference in GROUP BY clause.

Text	Invalid column-reference in GROUP BY clause.
Action	Correct error in program.

NAT0688: Invalid INTO fields for "SELECT *".

Text	Invalid INTO fields for "SELECT *".
Explanation	If "SELECT * ..." is used, all variable names specified in the INTO clause must be table variables: - If a view is specified in the INTO clause, all fields defined in that view must be contained in the corresponding table(s). - If individual fields are specified in the INTO clause, all these fields must be contained in the corresponding table(s).
Action	Correct error in program.

NAT0689: The specified view is empty.

Text	The specified view is empty.
Explanation	The view specified in the INTO VIEW clause does not contain any "real" database fields.
Action	Correct error in program.

NAT0690: Master field for indicator :1: not in view.

Text	Master field for indicator ... not in view.
Explanation	The view specified in the INTO clause contains an invalid indicator variable name: If a name of field in a view is prefixed with "L@" or "N@", Natural treats this field as an indicator field, which means that the name following the prefix must be the name of a database field already defined in that view. This master field is missing. On mainframe platforms, "@" is the character with the hexadecimal value H"7C".
Action	Correct error in data area.

NAT0691: Invalid format/length/range for indicator :1:.

Text	Invalid format/length/range for indicator ....
Explanation	The format/length of an INDICATOR or LINDICATOR variable must be either (B2) or (I2). This applies even if the master is not alphanumeric or binary. If you use COMPOPT DB2ARRY=ON, the range of the INDICATOR or LINDICATOR variable has to be equal to or greater than the range of the associated host variable array.

Action	Correct error in program.

NAT0692: Range variable :1: incorrectly specified.

Text	Range variable ... incorrectly specified.
Explanation	Possible reasons for this error: 1) A range variable cannot be qualified. 2) The same range variable has been used twice. 3) An alias range variable specified for a view is not assigned to a table.
Action	Correct error in program.

NAT0693: Indicator variable not allowed as a column reference.

Text	Indicator variable not allowed as a column reference.
Explanation	Special DDM fields with the name prefix N@ or L@ cannot be used as column references, because they are unknown to the database. On z/OS, "@" is the character with the hexadecimalvalue H"7C".
Action	Correct error in program.

NAT0694: Field :1: must not be used in SELECT or SQL UPDATE view.

Text	Field ... must not be used in SELECT or SQL UPDATE view.
Explanation	Views referenced in a SELECT or SQL UPDATE statement must not contain periodic-group fields or count-variable fields (C*...), as neither of these are supported by Db2.

Action	Remove the above-mentioned fields from the view.

NAT0696: UPDATE only possible with "SELECT * INTO VIEW".

Text	UPDATE only possible with "SELECT * INTO VIEW".
Explanation	When you use an UPDATE statement in conjunction with a SELECT statement, the SELECT statement must be of the form "SELECT * INTO VIEW"; with any other form of the SELECT statement, UDPATE is not possible. In reporting mode, you must specify "UPDATE SAME" to update a view read with a SELECT statement; an explicit specification of the columns to be updated is not possible.
Action	Use the correct combination of SELECT and UPDATE in the program.

NAT0697: Inconsistent setting of parentheses in SELECT UNION.

Text	Inconsistent setting of parentheses in SELECT UNION.
Explanation	The grouping of multiple SELECT expressions that are concatenated with "UNION" contains an error: either there is an opening parenthesis without a corresponding closing parenthesis, or vice versa.
Action	Correct error in program.

NAT0698: Field :1: must be qualified as it exists in both tables.

Text	Field ... must be qualified as it exists in both tables.
Explanation	The SELECT statement accesses more than one table, and one of the fields referenced is contained in two (or more) tables; the reference is therefore ambiguous.

Action	Specify a qualifier with the field.

NAT0699: Column :1: not found within table.

Text	Column ... not found within table.
Explanation	The column specified in the SQL statement could not be found in the table specified.
Action	Specify a valid or defined column or omit the reference mentioned.

15 Natural System Error Messages 0700-0749

NAT0700: Keyword "SET" missing or invalid range-variable specified.

Text	Keyword "SET" missing or invalid range-variable specified.
Explanation	In the SQL UPDATE statement after the table specification, either the keyword "SET" is missing, or the range-variable is incorrect.
Action	Correct error in program.

NAT0701: Invalid assignment clause in SQL UPDATE statement.

Text	Invalid assignment clause in SQL UPDATE statement.
Explanation	The specified column does not exist in the referenced table that is to be updated; or the equal sign (=) after the column specification is missing; or the scalar-expression after the equal sign contains an error.
Action	Correct error in program.

NAT0702: With a view, only "SET *" is allowed in SQL UPDATE.

Text	With a view, only "SET *" is allowed in SQL UPDATE.
Explanation	When a view is referenced in an SQL UPDATE statement, "SET *" must be specified; an explicit assignment list is only allowed and required when a DDM is referenced in the SQL UPDATE statement.
Action	Correct error in program.

NAT0703: Invalid range-variable specified in SQL INSERT/DELETE.

Text	Invalid range-variable specified in SQL INSERT/DELETE.
Explanation	In an SQL INSERT or SQL DELETE statement, an invalid range-variable (identifier) has been specified after the DDM (table) name.
Action	Correct error in program.

NAT0704: Opening or closing parenthesis missing in INSERT.

Text	Opening or closing parenthesis missing in INSERT.
Explanation	In an INSERT statement, either the list of field names or the list of values is not correctly enclosed in parentheses.
Action	Correct error in program.

NAT0705: Field to be INSERTed is not in specified DDM/table.

Text	Field to be INSERTed is not in specified DDM/table.
Explanation	The field specified in the column list of the INSERT statement does not exist in the referenced DDM/table.
Action	Correct error in program.

NAT0706: Invalid value specified in VALUES clause of INSERT.

Text	Invalid value specified in VALUES clause of INSERT.
Explanation	Values specified in the VALUES clause of an INSERT statement must be one of the following: - the keyword "NULL" (to assign a null value); - a special register (USER, CURRENT TIMEZONE, CURRENT DATE, CURRENT TIME, CURRENT TIMESTAMP); - a constant or a user-defined variable.
Action	Correct error in program.

NAT0708: VALUES clause missing or invalid SELECT clause specified.

Text	VALUES clause missing or invalid SELECT clause specified.
Explanation	In an INSERT statement, either a valid VALUES clause or a valid SELECT clause must be specified.
Action	Correct error in program.

NAT0709: Incorrect usage of index range field.

Text	Incorrect usage of index range field.
Explanation	1) When an array range is used as a parameter in an SQL statement (e.g. SELECT, INSERT), the Natural array property DYNAMIC is not supported. 2) The data type of a field specified with an index range must be alphanumeric or binary, unless COMPOPT DB2ARRY=ON has been set. 3) Arrays must be one-dimensional. That is, arrays that are defined in DEFINE DATA as (A10/1:3;1:5) are not permitted. 4) Variable index ranges, such as (1:I), are not permitted.
Action	Check syntax and correct error.

NAT0710: The CLSID was not found in the registry (DCOM code :1:).

Text	The CLSID was not found in the registry (DCOM code ...).
Explanation	The CLSID associated with the given class name was not found in the registry.
Action	Make sure that the class name used in the CREATE OBJECT statement is correctly registered.

NAT0711: The object could not be created (DCOM code :1:).

Text	The object could not be created (DCOM code ...).
Explanation	The object of the class specified in the CREATE OBJECT statement could not be created. Common reasons are: 1) The class is not correctly registered. 2) You are not authorized to create the object. 3) The specified node does not exist or could not be reached.

Action	Check if one of the above conditions applies.

NAT0712: A library name must be specified for Natural Security.

Text	A library name must be specified for Natural Security.
Explanation	If Natural Security is installed, the system commands REGISTER and UNREGISTER can only be used for a single library. Therefore the library name must not be "*". The library name can be omitted when applying the commands to all classes of the current logon library. If the commands are to be applied to classes in another library, the name of this library has to be specified.
Action	Either omit the library name or enter the name of an existing library.

NAT0714: Internal error (DCOM code :1:).

Text	Internal error (DCOM code ...).
Explanation	An internal error occurred because of one of the following reasons: 1) A string could not be converted from Ansi to Unicode. 2) An automation interface function failed to execute. 3) The default dispatch interface was not returned during object creation. 4) Analyzing the type information failed. 5) A dispatch interface could not be retrieved.
Action	Check if the used class is correctly registered.

NAT0715: Registry entry could not be changed.

Text	Registry entry could not be changed.
Explanation	Natural could not change or create entries in the system registry which are needed to register the DCOM class.
Action	Check, if you have permission to change the system registry. If this is not the case, you cannot register classes.

NAT0716: Registry entry could not be deleted.

Text	Registry entry could not be deleted.
Explanation	Natural could not delete entries in the system registry which are no longer needed when the DCOM class is unregistered. 1. Check if you have permission to delete entries from the system registry. If this is not the case, you cannot unregister classes. 2. Check if the CLSID of the class to be unregistered was changed after registering the class. In this case it is not possible to find the class in the registry.
Action	See explanation.

NAT0717: Registry entry could not be read.

Text	Registry entry could not be read.
Explanation	Natural could not read entries in the system registry, which is needed to register/unregister the DCOM class.

Action	Check, if you have permission to read the system registry. If this is not the case, you cannot register/unregister the DCOM class.

NAT0718: Internal error during registration.

Text	Internal error during registration.
Explanation	Internal error during registration.
Action	Unregister the class first and try to register it again.

NAT0719: Registration files could not be created correctly.

Text	Registration files could not be created correctly.
Explanation	It was not possible to create the server and client registration files (.reg) for the class.
Action	Check, if you have permission to create these files.

NAT0720: DCOM server message: :1:.

Text	DCOM server message: ....
Explanation	The DCOM server, which was called by the Natural client, returns the message displayed above.
Action	None.

NAT0721: INCDIR error: :1:.

Text	INCDIR error: ....
Explanation	This message appears only if compiler option CHKRULE=ON is set. During compilation, the DDM and field names referenced in INCDIR statements are checked for existence. If either the DDM or the field cannot be found, this message is issued. INCDIR statements are automatically created if a database field is included in a map. When the map is catalogued, these instructions will effect an automatic incorporation of processing rules which might exist for this field on Predict.
Action	1) Deactivate the message with CHKRULE=OFF. 2) Correct the DDM/field name in the INCDIR statement.

NAT0723: Interactive I/O not possible in server environment.

Text	Interactive I/O not possible in server environment.
Explanation	An attempt was made to execute an interactive I/O (I/O to report 0), while Natural is acting as a server.
Action	Check and correct the program. Input data for the Natural INPUT statement may be supplied via the Natural stack. Any output to report 0 may be redirected using the MAINPR parameter.

NAT0724: Invalid object handle used.

Text	Invalid object handle used.
Explanation	An object handle can only be used after the object has been created with a CREATE OBJECT statement, or after a valid handle has been assigned to it.

Action	Make sure that the object has been successfully created before it is used in a SEND METHOD statement or property access.

NAT0725: Invalid placement of :1: statement.

Text	Invalid placement of ... statement.
Explanation	An invalid statement has been specified in the current Natural object. Possible reasons are, for example: 1. A DEFINE CLASS statement may only be specified in a Natural class object and only specified once per class object. 2. The first statement of a Natural function object must be DEFINE FUNCTION ... END-FUNCTION. 3. An END statement must not be used in a copycode object.
Action	Check the placement of the statement or check the object type.

NAT0726: Invalid :1: name specified.

Text	Invalid ... name specified.
Explanation	In a DEFINE CLASS statement the following rules apply to various names: 1. The class, interface, property or method name must not have more than 32 characters. 2. The class name may contain periods. Each identifier separated by a period must conform to the naming conventions for user-defined variables. 3. Interface, property or method names must conform to the naming conventions for user-defined variables. The interface name must not be identical to the class name. 4. The copy code or subprogram name must not have more than 8 characters.
Action	Check the name and correct error.

NAT0727: :1: name is not defined.

Text	... name is not defined.
Explanation	In a PROPERTY statement - the interface is not defined or - the property name is not defined for the interface specified. In a METHOD statement - the interface name is not defined or - the method name is not defined for the interface specified. Concerning Natural functions - there is no return value defined in the RETURNS clause inside the function prototype.
Action	Check the name and correct the error.

NAT0728: Keyword :1: expected.

Text	Keyword ... expected.
Explanation	The appropriate keyword is expected.
Action	Check the keyword and correct error.

NAT0729: :1: name already defined.

Text	... name already defined.
Explanation	The interface name is not unique in the specified class or the property or method name is not unique for the specified interface.
Action	Check the name and correct error.

NAT0730: Property and assigned object var. not data-transfer compatible.

Text	Property and assigned object var. not data-transfer compatible.
Explanation	The format/length specifications of the property and the assigned object variable are not data-transfer compatible. If the attribute READONLY is specified, the rule for data transfer of the object variable as sending field and the property as receiving field apply. Otherwise the data transfer rules for the property and the assigned object variable as sending and receiving fields apply.
Action	Check the format/length specifications and correct error.

NAT0731: No object variable assigned to property :1:.

Text	No object variable assigned to property ....
Explanation	No object variable is assigned to the property.
Action	Assign an object variable to the property.

NAT0732: Invalid globally unique ID specified.

Text	Invalid globally unique ID specified.
Explanation	The specified value is not a valid globally unique ID.
Action	Check the value of the valid globally unique ID and correct error.

NAT0733: The type information could not be retrieved :1:.

Text	The type information could not be retrieved ....
Explanation	In certain situations Natural needs type information about a class to use it. The type information for the class could not be found. A common reason is that the class is not correctly registered on the server side.
Action	Make sure that the class is correctly registered and type information exists.

NAT0734: The interface :1: was not found.

Text	The interface ... was not found.
Explanation	The specified interface was not found in the object"s type information.
Action	Check the specified interface name.

NAT0735: The method or property was not found (DCOM code :1:).

Text	The method or property was not found (DCOM code ...).
Explanation	The specified method or property was not found in any of the object"s interfaces.
Action	Check the specified interface name (if any), the method or the property name.

NAT0736: The Natural object of class :1: could not be created.

Text	The Natural object of class ... could not be created.
Explanation	With the class name specified in the CREATE OBJECT statement it was not possible to create the object. A possible reason is that the corresponding Natural class module was not found at the place where it was registered.
Action	Check the class name used in the CREATE OBJECT statement and check if the corresponding Natural class module is available.

NAT0737: The method or property was not found.

Text	The method or property was not found.
Explanation	The specified method or property was not found in any of the object"s interfaces.
Action	Check the specified interface name (if any), the method or the property name.

NAT0738: A class with the same :1: :2: already exists as member :3:.

Text	A class with the same ... ... already exists as member ....
Explanation	You have used a class name which already exists in another class module. The class names within a library must be unique.
Action	Change the class name.

NAT0739: READONLY property :1: must not be modified.

Text	READONLY property ... must not be modified.
Explanation	If a property is declared as read-only, it must not be modified.
Action	Correct error in program.

NAT0740: Invalid dispatch ID of :1: :2: in interface :3:.

Text	Invalid dispatch ID of ... ... in interface ....
Explanation	Methods and properties of classes have numeric identifiers, called dispatch IDs, assigned. Normally these IDs are assigned internally and automatically by Natural. If you explicitly assign an ID to a method or property using the ID clause, you have to assign the numbers uniquely per interface. Dispatch IDs must be positive integer values.
Action	Assign a different ID to ensure uniqueness and correct format, or do not assign an ID at all.

NAT0741: No globally unique ID defined for interface :1: of class :2:.

Text	No globally unique ID defined for interface ... of class ....
Explanation	The globally unique ID for the given interface is missing in the Natural class definition. The ID is needed to enter information for this interface in the registry.
Action	Define a globally unique ID for the interface.

NAT0742: Type Library creation for class :1: failed.

Text	Type Library creation for class ... failed.
Explanation	The type library (.TLB) which is created during registration of a Natural class in the Natural etc directory could not be created. A possible reason is that a type library for the given class already exists and has been opened by another tool. So Natural cannot modify it.
Action	Check, if the type library is being used by another tool.

NAT0743: No registry information entered for :1:.

Text	No registry information entered for ....
Explanation	If a Natural class is to be accessible with DCOM, it must be entered in the registry. If the class is to be used only locally in Natural, this is not necessary.
Action	If you do not want to use the class with DCOM, you can ignore this error message. Otherwise, define a valid ID for the class and define at least one interface for the class.

NAT0744: Conflicting number of parameters in SEND METHOD.

Text	Conflicting number of parameters in SEND METHOD.
Explanation	The number of parameters which are specified with the SEND METHOD statement must be identical to both: - the number of parameters, that are defined in the method, - the number of parameters, that are declared in the method declaration of the DEFINE CLASS statement.

Action	Check the parameter definitions in the class module, in the method and the parameters in the SEND METHOD statement.

NAT0745: Error during conversion of parameter :1: in SEND METHOD.

Text	Error during conversion of parameter ... in SEND METHOD.
Explanation	The parameter could not be converted to an appropriate VARIANT format, or the VARIANT format returned from the server could not be converted to an appropriate Natural format. Some possible reasons are: - A Natural variable of format "C" cannot be passed as a method parameter. - Arrays passed as arguments must match the corresponding method parameter in number of dimensions and number of occurrences per dimension.
Action	Consult the data conversion rules in the NaturalX documentation.

NAT0746: Class name :1: already defined in the registry.

Text	Class name ... already defined in the registry.
Explanation	The class cannot be registered, because a class with the same name but a different CLSID has been found in the system registry.
Action	Change the class name so that it is unique.

NAT0747: No classes are registered under server ID :1:.

Text	No classes are registered under server ID ....

Explanation	The UNREGISTER command was used to unregister all classes that are registered under a given server ID, or under the current server ID. Currently there are no classes registered under this server ID.
Action	None.

NAT0748: Error during conversion of property value or return value.

Text	Error during conversion of property value or return value.
Explanation	The property value or return value could not be converted to an appropriate VARIANT format, or the VARIANT format passed back from the server could not be converted to an appropriate Natural format. Some possible reasons are: - A Natural variable of format "C" cannot be passed as property value or received as return value. - Arrays passed as property value or received as return value must match the corresponding property or return parameter in number of dimensions and number of occurrences per dimension.
Action	Consult the data conversion rules in the NaturalX documentation.

NAT0749: Name does not match subroutine name :2: in line :1:.

Text	Name does not match subroutine name ... in line ....
Explanation	The name between parentheses given after END-SUBROUTINE, is not the name specified at DEFINE SUBROUTINE.
Action	Correct the name between parentheses; or remove this reference.

16 Natural System Error Messages 0750-0799

NAT0750: Label/line does not match label at line :1:.

Text	Label/line does not match label at line ....
Explanation	The label/line given after END-... is not the label/line specified at the beginning of this block. If a label/line is given between parentheses after END-..., it must be the same as the one used to define this block. The label and line number are indicated in the error message.
Action	Correct the label/line between parentheses; or remove this reference (not recommended).

NAT0751: :1: class :2:/:3: failed, reason :4: :5:.

Text	... class .../... failed, reason ... .
Explanation	Reason 1: Error during "SEARCH CLASS" occurred. 2: Class or classes not found. 3: COM not available. 4: NATGWCOM cannot be loaded. 5: Return code from NATGWCOM. 6: Class already registered with a different class GUID. 7: Cannot OPEN registry. 8: Error during register server information. 9: Error during register client information. 10: No valid Natural environment (NATDIR/NATVERS).

	11: Invalid activation policy or no default server specified. 12: Internal error.

NAT0759: Handle/dynamic variables and X-arrays cannot be redefined.

Text	Handle/dynamic variables and X-arrays cannot be redefined.
Explanation	A variable declared DEFINE DATA LOCAL - with type HANDLE, -> 1 #H HANDLE OF OBJECT - as an alphan. or binary field -> 1 #AD (A) DYNAMIC with a dynamic length, - as an array with a variable -> 1 #VA (A10/1:*) number of occurrences END-DEFINE cannot be redefined, and it must not result from a redefinition. If a group contains one of these fields in the first position, the group cannot be redefined.
Action	Check and correct the variable definitions.

NAT0760: FETCH FIRST, OFFSET, OPTIMIZE FOR, UNION/EXCEPT/INTERSECT invalid

Text	FETCH FIRST, OFFSET, OPTIMIZE FOR, UNION/EXCEPT/INTERSECT invalid.
Explanation	1) Neither an OPTIMIZE FOR nor an UNION/EXCEPT/INTERSECT clause may be specified for a SELECT SINGLE statement. 2) The value specified in the FETCH FIRST, OFFSET, OPTIMIZE FOR clause is neither an integer constant nor a numeric variable. 3) The keyword ROWS or ROWS ONLY is missing after the integer constant or numeric variable. 4) The OFFSET clause is not allowed at that place (CTE, fullselect)
Action	Check and correct syntax.

NAT0761: Incorrect use of UPDATE/DELETE .. WHERE CURRENT CURSOR.

Text	Incorrect use of UPDATE/DELETE .. WHERE CURRENT CURSOR.
Explanation	An UPDATE/DELETE table WHERE CURRENT CURSOR must reference a SELECT statement. It cannot, for example, reference a FIND statement.
Action	Check and correct syntax.

NAT0762: UPDATE/DELETE table mismatch with SELECT statement.

Text	UPDATE/DELETE table mismatch with SELECT statement.
Explanation	The table referenced in an UPDATE table WHERE CURRENT CURSOR or DELETE FROM table WHERE CURRENT CURSOR statement is not the table specified in the corresponding SELECT statement.
Action	Check and correct syntax.

NAT0763: Incorrect alphanumeric constant specified in <<...>>.

Text	Incorrect alphanumeric constant specified in <<...>>.
Explanation	The constant specified in <<...>> does not adhere to the rules for Natural constants. For example, alpha constants must be enclosed in apostrophes.
Action	Check and correct syntax.

NAT0764: Variable reference in <<...>> cannot be resolved.

Text	Variable reference in <<...>> cannot be resolved.
Explanation	1) The token directly following the variable indicator (:) does not adhere to the rules for variable names. 2) The variable specified is not defined in the program.
Action	Check and correct syntax.

NAT0765: No valid correlation name after AS keyword in FROM clause.

Text	No valid correlation name after AS keyword in FROM clause.
Explanation	A correlation name is required after the keyword AS in the FROM clause of a SELECT statement. This name could not be found.
Action	Either drop the keyword AS or insert a valid correlation name behind the keyword.

NAT0766: Keyword JOIN expected after INNER, LEFT, RIGHT, FULL, etc.

Text	Keyword JOIN expected after INNER, LEFT, RIGHT, FULL, etc.
Explanation	The keyword JOIN is required after one of the keywords INNER, LEFT, LEFT OUTER, RIGHT, RIGHT OUTER, FULL, FULL OUTER.
Action	Insert the keyword JOIN.

NAT0767: A correlation name is required in the FROM clause.

Text	A correlation name is required in the FROM clause.
Explanation	When a subquery is specified in a FROM clause, a correlation name is required. This name must follow the SUBSELECT clause.
Action	Insert a correlation name after the subquery within the FROM clause.

NAT0768: No valid table reference found in FROM clause.

Text	No valid table reference found in FROM clause.
Explanation	The FROM clause contains no valid table name. Either specify a table name or a subquery of a joined table expression.
Action	Correct the FROM clause by specifying a valid table name.

NAT0769: Illegal use of keyword VALUE or COALESCE in join.

Text	Illegal use of keyword VALUE or COALESCE in join.
Explanation	The keywords VALUE and COALESCE can only be used in a join expression if the related join operation is a FULL join or a FULL OUTER join.
Action	Use VALUE and COALESCE keywords only if a FULL join is specified.

NAT0770: Closing bracket missing in nested joined-table expression.

Text	Closing bracket missing in nested joined-table expression.
Explanation	In a nested joined-table expression, the number of opening brackets must be equal to the number of closing brackets.
Action	Insert a closing bracket.

NAT0771: Expression requires join-condition keyword ON.

Text	Expression requires join-condition keyword ON.
Explanation	The keyword ON is missing in a joined-table expression. The joined-table expression must have a join-condition which starts with the keyword ON. The join-condition expression looks like: ON <join-expression> <relational-operator> <join-expression>
Action	Insert the keyword ON.

NAT0772: Join-condition contains an invalid relational operator.

Text	Join-condition contains an invalid relational operator.
Explanation	The join-condition contains an invalid relational operator. The following relation operators are valid: = <> > < >= <= For a FULL join or FULL OUTER join, only "=" is valid. See the Natural Statements documentation for further information.

Action	Specify a valid relational operator.

NAT0773: At least two column names must follow VALUE or COALESCE.

Text	At least two column names must follow VALUE or COALESCE.
Explanation	After the keyword VALUE or COALESCE, at least two column names must follow. These column names must be separated by a comma and placed within parentheses. For example: VALUE (column1,column3,...,columnX) Ensure that none of the following syntax elements is missing: - An opening parenthesis. - A closing parenthesis. - A separating comma.
Action	Insert the missing comma, operand, or parenthesis.

NAT0774: Column name does not belong to any table to be joined.

Text	Column name does not belong to any table to be joined.
Explanation	The join-expression may only contain column names which belong to one of the tables to be joined. At least one of the column names does not belong to any of the joined tables.
Action	Check column names to determine which do not belong to a joined table. Correct the table name in the join expression.

NAT0775: Nested PARSE XML and PARSE JSON not allowed.

Text	Nested PARSE XML and PARSE JSON not allowed.

Explanation	Invalid usage of nested PARSE XML and PARSE JSON statements. A PARSE XML loop must not be placed within a PARSE JSON loop. Nor can a PARSE JSON be placed within a PARSE XML loop.
Action	Correct program.

NAT0776: Program cannot be executed.

Text	Program cannot be executed.
Explanation	While loading the Natural program, an internal, non-recoverable error has occurred. The program could not be loaded into the Natural buffer pool.
Action	Check program and/or contact your Natural administrator.

NAT0777: Buffer pool full.

Text	Buffer pool full.
Explanation	The Natural buffer pool is full. To execute a Natural object, it must be loaded into the Natural buffer pool. If not enough space is available in the Natural buffer pool, the Natural object cannot be executed.
Action	Contact your Natural administrator.

NAT0778: Program not ready for execution.

Text	Program not ready for execution.

Explanation	The program to be executed is in the process of being cataloged by another user. When loading this program into the Natural buffer pool, Natural can not guarantee that the program code is in a correct and executable state.
Action	Execute the program at a later point in time.

NAT0779: Program cannot be executed.

Text	Program cannot be executed.
Explanation	This message appears if Natural has tried unsuccessfully 32 times to load the program into the Natural buffer pool.
Action	Contact your Natural administrator.

NAT0780: Invalid Case-expression or invalid WHEN-clause in MERGE statement

Text	Invalid Case-expression or invalid WHEN-clause in MERGE statement.
Explanation	1) The specified Case-Expression is invalid: The keywords ELSE, THEN, WHEN , END are misplaced, or one of these keywords is missing, or one of the sub-expressions is invalid. 2) The specified WHEN-clause in the MERGE statement is invalid: Either no WHEN-clause or duplicate WHEN-clauses or invalid WHEN-clauses are specified in a MERGE statement.
Action	Check the syntax of the case-expression or of the MERGE statement.

NAT0781: Internal Natural Db2 error.

Text	Internal Natural Db2 error.
Action	Provide the Natural source and object program and contact product support.

NAT0782: No fields were selected by a FIND or READ statement.

Text	No fields were selected by a FIND or READ statement.
Explanation	A FIND or READ statement does not retrieve any fields (empty view), but is directed to access an SQL database (e.g. Db2). This will result in the generation of an SQL SELECT statement with an empty column list. However, this is not permitted.
Action	Retrieve at least one field in the FIND or READ statement.

NAT0783: Invalid Natural statement for Db2 access.

Text	Invalid Natural statement for Db2 access.
Explanation	The following Natural statements are not supported when accessing a Db2 database: - GET - STORE USING NUMBER (ISN)
Action	Check program and correct error.

NAT0784: Insufficient space for SQL :1: generation.

Text	Insufficient space for SQL ... generation.
Explanation	During the generation, the corresponding buffer has overflowed. Either provide a greater thread/partition/region, or split the program"s SQL parts and put them into different programs. The message relates either to the buffer containing the SQL statements or to the buffer containing the SQL XREF data.
Action	Start Natural in greater thread/partition/region, or reduce the number or size of SQL statements.

NAT0785: Internal Natural Db2 error.

Text	Internal Natural Db2 error.
Action	Provide the Natural source and object program, and contact product support.

NAT0786: No fields assigned for an UPDATE statement.

Text	No fields assigned for an UPDATE statement.
Explanation	Natural Db2: An UPDATE statement is present, but no database fields are specified for the view.
Action	Assign a value to a Db2 column.

NAT0787: A read-only field may not be modified.

Text	A read-only field may not be modified.
Explanation	Natural for Db2: Read-only fields were specified in an UPDATE statement. This is not allowed, because these fields may not be modified.
Action	Check program and correct error.

NAT0788: UPDATE/DELETE must not be used in conj. with FIND SORTED.

Text	UPDATE/DELETE must not be used in conj. with FIND SORTED.
Explanation	UPDATE/DELETE must not be used in conjunction with READ BY, FIND ... ORDER BY, SELECT ... ORDER BY or READ RESULT SET according to Db2 processing logic.
Action	Correct error in program.

NAT0789: Field in SORTED BY clause is not referenced.

Text	Field in SORTED BY clause is not referenced.
Explanation	Natural for Db2: A field referenced in the SORTED BY clause is not referenced anywhere in the program.
Action	Check program and correct error.

NAT0790: No primary key in an IMS access.

Text	No primary key in an IMS access.
Explanation	Natural for Db2 needs a primary key for UPDATE or DELETE if the loop contains a terminal statement.
Action	Change program according to the Natural for Db2 file-server logic.

NAT0791: Data type not supported.

Text	Data type not supported.
Explanation	The search criterion contains a Natural variable or constant of a format that is not supported by the Db2 database manager. Unsupported formats are: I1 (integer with length of 1) L (logical)
Action	Do not use the above formats in a program that accesses a Db2 database.

NAT0792: Null or length referenced without the master field.

Text	Null or length referenced without the master field.
Explanation	When referencing a length-indicator or null-indicator field, the corresponding master field to which the length or null indicator applies must also be referenced.
Action	Correct program.

NAT0793: Null or length indicator cannot be used as descriptor.

Text	Null or length indicator cannot be used as descriptor.
Explanation	A null indicator or length indicator cannot be used as a descriptor, only master fields can be used as search criteria.
Action	Change search criterion in Natural program.

NAT0794: SELECT FOR UDPATE, but UPDATE not allowed.

Text	SELECT FOR UDPATE, but UPDATE not allowed.
Explanation	This message also appears with the statement SELECT SINGLE FOR UPDATE where UPDATE is not allowed.
Action	Check and correct program.

NAT0795: Nested PARSE XML loops not allowed.

Text	Nested PARSE XML loops not allowed.
Explanation	Invalid usage of nested PARSE XML statements. A PARSE XML loop must not be placed within another PARSE XML loop.
Action	Correct program.

NAT0796: Nested PARSE JSON loops not allowed.

Text	Nested PARSE JSON loops not allowed.
Explanation	Invalid usage of nested PARSE JSON statements. A PARSE JSON loop must not be placed within another PARSE JSON loop.
Action	Correct program.

NAT0797: Invalid use of set name in search criterion.

Text	Invalid use of set name in search criterion.
Explanation	A set name has been specified in the basic search criterion of a FIND statement; however - the file to be accessed is not an Adabas file, or - the search criterion belongs to a COUPLED criterion. In either case, a set name must not be used. See the Natural documentation, FIND statement, for information on the use of a set name.
Action	Change the search criterion in your program.

NAT0798: Invalid common table expression.

Text	Invalid common table expression.
Explanation	The specified common table expression is invalid. A common table expression has to follow the keyword WITHCTE and has the syntax: cte-name (colname,...) AS (fullselect). Most likely, parentheses, the keyword AS or commas are missing or specified too often.

Action	Correct the common table expression.

NAT0799: Scalar fullselect has to consist of a single column value.

Text	Scalar fullselect has to consist of a single column value.
Explanation	Scalar fullselect can be used as scalar values in expressions. Scalar fullselect is a fullselect enclosed in parentheses which returns a single row consisting of a single column value. The specified fullselect result set consists of more than one column.
Action	Specify only one column in the selection list of the fullselect.

17 Natural System Error Messages 0800-0849

NAT0800: Logon failed after :1: consecutive errors.

Text	Logon failed after ... consecutive errors.
Explanation	The Natural session has been terminated as a result of too many unsuccessful logon attempts.
Action	Start a new Natural session after verifying your user ID and/or password.

NAT0801: No access rights defined for this utility.

Text	No access rights defined for this utility.
Explanation	The utility is for restricted use only.
Action	Please contact your security administrator.

NAT0802: Access to system file :1: denied, reason :2:.

Text	Access to system file ... denied, reason ....
Explanation	Reason: 1 - Natural for Linux: The system file is not in NATCONF.CFG. 2 - The use of the system file is restricted in a Natural Development Server environment. 4 - Access denied to this system-file combination. 9 - Natural utility system-file combination is not defined. 10 - Environment profile is not defined. 11 - Your group ID has no access to this system-file combination. 12 - Your user ID has no access to this system-file combination. 14 - User ID has no access to this library and system-file combination.
Action	Contact your Natural Security administrator.

NAT0803: Libraries SYSLIB and SYSLIBS reserved for system usage.

Text	Libraries SYSLIB and SYSLIBS reserved for system usage.
Explanation	You cannot log on the libraries SYSLIB and SYSLIBS, as these libraries are reserved for Natural-internal system usage.
Action	Log on to another library.

NAT0804: Re-enter new password to confirm password change.

Text	Re-enter new password to confirm password change.
Explanation	If you wish to change your password, you must type in the new password a second time so as to confirm the password change. This confirmation is necessary to prevent typing errors in passwords (which may occur as the password and new password are not visible on the logon screen).

Action	If password modification was intended, enter your new password again. If password modification was not intended, press ENTER to resume the logon procedure.

NAT0805: New password was not confirmed; logon failed.

Text	New password was not confirmed; logon failed.
Explanation	The logon procedure required that you enter your new password a second time so as to confirm the password change. However, the second time you entered either no new password at all or one which was different from that entered the first time; this means that the password change was not confirmed.
Action	Log on again.

NAT0806: Library not found.

Text	Library not found.
Explanation	The library to which you wish to log on is not defined to Natural Security. Under Natural Security, any Natural library which is to be used must have been defined to Natural Security.
Action	Contact your Natural Security administrator.

NAT0807: Logon to this library is not permitted.

Text	Logon to this library is not permitted.
Explanation	The library to which you wish to log on is protected. To be able to log on to this library, you must be linked to it, but you are not.

Action	Contact your Natural Security administrator.

NAT0808: No restartable library found.

Text	No restartable library found.
Explanation	You have specified "RESTART" in the logon procedure, but no restart library was available.
Action	Use the RESTART option only after having been active in a library; and/or contact your Natural Security administrator.

NAT0809: Terminal ID not permitted for logon.

Text	Terminal ID not permitted for logon.
Explanation	A terminal ID was entered as a user ID. This is not permitted. Access to a terminal-protected library may be gained by using the library ID.
Action	Use the appropriate library ID and no user ID.

NAT0810: Group ID not permitted for logon.

Text	Group ID not permitted for logon.
Explanation	A group ID was entered as a user ID in the logon procedure. However, group IDs cannot be used in the logon procedure; they are only relevant for links to libraries.

Action	Log on with your correct user ID.

NAT0811: A user ID must be entered.

Text	A user ID must be entered.
Explanation	A Natural session cannot be activated if no user ID is specified for the initial logon to Natural. For subsequent logons, a user ID need not be specified. Natural internally uses the initial user ID until another user ID is specified. If Natural Security is installed, a user ID must be specified with each logon.
Action	Enter a valid user ID.

NAT0812: User security profile has been illegally manipulated.

Text	User security profile has been illegally manipulated.
Explanation	The Natural Security logon procedure has detected an internal inconsistency in the security profile for the specified user ID. The user security profile was modified by a direct manipulation of the data record.
Action	Contact your Natural Security administrator.

NAT0813: Logon to default library not permitted.

Text	Logon to default library not permitted.
Explanation	Your default library is not available to you.

Action	Contact your Natural Security administrator.

NAT0814: Library ID and/or user ID must be entered.

Text	Library ID and/or user ID must be entered.
Explanation	On the logon screen, you must enter a library ID, or a user ID, or both.
Action	Enter user ID and/or library ID.

NAT0815: Please enter a library ID.

Text	Please enter a library ID.
Explanation	There is neither a default library defined for you nor have you a private library. Therefore you must explicitly specify the library to which you wish to log on.
Action	Enter a library ID; or enter a "?" to get a list of the libraries that are available to you.

NAT0816: The library may not be accessed from this terminal.

Text	The library may not be accessed from this terminal.
Explanation	You have tried to access a library which may be accessed only from certain terminals, but not from the one you are using.
Action	Contact your Natural Security administrator.

NAT0817: Logon with a batch user ID not permitted in nonbatch mode.

Text	Logon with a batch user ID not permitted in nonbatch mode.
Explanation	You attempted to log on using a batch user ID although batch mode is not active. This is not permitted.
Action	Log on using a user ID with type not equal to "batch".

NAT0818: User ID is missing or this terminal is not defined.

Text	User ID is missing or this terminal is not defined.
Explanation	Either you have forgotten to enter your user ID, or you have tried to log on from a terminal which is not defined to Natural Security.
Action	Enter your user ID, or contact your Natural Security administrator.

NAT0819: Logon unsuccessful (batch mode execution).

Text	Logon unsuccessful (batch mode execution).
Explanation	An unsuccessful attempt to log on in a batch Natural session was detected. This error message follows the detailed error message that describes the reason for the failed logon.
Action	Act according to explanation of detailed message.

NAT0820: Terminal security profile was illegally manipulated.

Text	Terminal security profile was illegally manipulated.
Explanation	The Natural Security logon procedure detected an internal inconsistency in the security profile of the terminal from which you have tried to log on. The security profile was modified by a direct manipulation of the database record.
Action	Contact your Natural Security administrator.

NAT0821: Library available only for :1:.

Text	Library available only for ....
Explanation	You have attempted to log on to a library which may only be used from the device type indicated.
Action	Use the library only from the allowed device type.

NAT0822: User"s private library only available for :1:.

Text	User"s private library only available for ....
Explanation	You have attempted to log on to a private library which may only be used from the device type indicated.
Action	Use the private library only from the allowed device type.

NAT0823: Logon with a batch user ID is not permitted.

Text	Logon with a batch user ID is not permitted.
Explanation	You attempted to log on using a batch user ID. This user ID cannot be used to log on directly in batch mode.
Action	Log on using a user ID with type not equal to "batch".

NAT0824: Library security profile was illegally manipulated.

Text	Library security profile was illegally manipulated.
Explanation	The Natural Security logon procedure has detected an internal inconsistency in the security profile of the specified library. The security profile was modified by a direct manipulation of the database record.
Action	Contact your Natural Security administrator.

NAT0825: Security profile has been illegally manipulated.

Text	Security profile has been illegally manipulated.
Explanation	The Natural Security logon procedure has detected an internal inconsistency in a security profile invoked. The security profile was modified by a direct manipulation of the database record.
Action	Contact your Natural Security administrator.

NAT0826: Invalid number. Please enter valid number.

Text	Invalid number. Please enter valid number.
Explanation	Only one of the displayed numbers may be entered during the logon procedure.
Action	Enter a valid number.

NAT0827: No available library found.

Text	No available library found.
Explanation	No library for this user ID is available from this terminal.
Action	Contact your Natural Security administrator.

NAT0828: You may not logon to "SYSSEC".

Text	You may not logon to "SYSSEC".
Explanation	You have no permission to log on the Natural Security library "SYSSEC".
Action	Contact your Natural Security administrator.

NAT0829: Password change not permitted.

Text	Password change not permitted.

Explanation	You cannot change your password because updating of the Natural Security system file has been prohibited.
Action	Contact your Natural Security administrator.

NAT0830: Help screen not confirmed.

Text	Help screen not confirmed.
Explanation	An attempt was made to enter logon processing, but the requested confirmation was not provided.
Action	Continue logon.

NAT0831: *** Natural LOGON PROCEDURE *****

Text	***** Natural LOGON PROCEDURE *****
Explanation	Text displayed in line 1 during Natural logon procedure.

NAT0832: ** YOU ARE LINKED DIRECTLY TO: ... ****

Text	**** YOU ARE LINKED DIRECTLY TO: ... ****
Explanation	Text displayed in line 2 during Natural logon procedure.

NAT0833: ** YOU ARE LINKED VIA A GROUP TO: ... ****

Text	**** YOU ARE LINKED VIA A GROUP TO: ... ****
Explanation	Text displayed in line 3 during Natural logon procedure.

NAT0834: * YOUR TERMINAL IS LINKED TO: ... ***

Text	*** YOUR TERMINAL IS LINKED TO: ... ***
Explanation	Text displayed in line 2 during Natural logon procedure.

NAT0835: * PUBLIC LIBRARIES ARE: ... ***

Text	*** PUBLIC LIBRARIES ARE: ... ***
Explanation	Text displayed on line 2 as a result of entering a "?" as library ID during Natural logon procedure.

NAT0836: Press ENTER for next page, or enter "." for logon screen.

Text	Press ENTER for next page, or enter "." for logon screen.
Explanation	Text displayed during logon processing for trailer line 1.

NAT0837: Or select a library by entering its number ==>

Text	Or select a library by entering its number ==>
Explanation	Text displayed as trailer line 2 during logon processing.

NAT0838: Change your password. Enter the old and a new password.

Text	Change your password. Enter the old and a new password.
Explanation	According to your Natural Security profile, you must change your password periodically.
Action	Enter your old password in the "Password" field and a new password in the "New Password" field. When prompted to confirm the new password, enter the new password again in the "New Password" field.

NAT0839: The library "SYSSEC" :1: has not been found.

Text	The library "SYSSEC" ... has not been found.
Explanation	The library "SYSSEC" is indispensable for a security environment. The FSEC system file could not be initialized correctly, because in the system file, the internal control record for the library "SYSSEC" is missing.
Action	Contact your Natural Security administrator.

NAT0840: Private library not found.

Text	Private library not found.
Explanation	The security profile of the private library specified for you could not be found. The Natural Security logon procedure has found an internal inconsistency: a private library is specified in your user security profile but there is no security profile for the private library.
Action	Contact your Natural Security administrator.

NAT0841: This user has no private library.

Text	This user has no private library.
Explanation	A logon to a private library is only possible for users of type "ADMINISTRATOR" or "PERSON" and only if these users have a private library defined in their security profile.
Action	Enter a library ID, or a "?" to get a list of libraries that are available to you.

NAT0842: Logon to a private library is not allowed.

Text	Logon to a private library is not allowed.
Explanation	You have attempted to log on to somebody else"s private library. You cannot log on to another user"s private library, only to your own (if there is one defined for you).
Action	Enter a library ID, or a "?" to get a list of libraries that are available to you.

NAT0843: Invalid user ID for automatic logon.

Text	Invalid user ID for automatic logon.
Explanation	If "Automatic Logon" is active (that is, the Natural parameter AUTO=ON has been set), the user ID as contained in the Natural system variable *INIT-USER will be used to log on to the Natural session. In this case, the value of *INIT-USER must be identical to the value of the Natural system variable *USER.

Action	Either make sure that the values of *INIT-USER and *USER are identical for the logon; or log on with AUTO=OFF.

NAT0844: This user is not defined. Restart not allowed.

Text	This user is not defined. Restart not allowed.
Explanation	The last library of a user is stored in his/her security record. A user who has not been defined to Natural Security does not have such a record. Restart is only allowed for a user who is defined to Natural Security. However, you are not defined to Natural Security.
Action	Contact your Natural Security administrator.

NAT0845: Command mode prohibited, no startup transaction specified.

Text	Command mode prohibited, no startup transaction specified.
Explanation	If command mode is not allowed, either a startup transaction must have been specified or a command/program must be in the Natural stack.
Action	Contact your Natural Security administrator.

NAT0846: Group not found.

Text	Group not found.
Explanation	You are linked via a group to the library, but the group cannot be found.

Action	Contact your Natural Security administrator.

NAT0847: Library ID must start with an alphabetical character.

Text	Library ID must start with an alphabetical character.
Explanation	The first character of a library ID must be an alphabetical character.
Action	Enter a library ID which starts with an alphabetical character.

NAT0848: Startup transaction :1: cannot be found.

Text	Startup transaction ... cannot be found.
Explanation	The startup transaction specified in the security profile of the used library cannot be found, neither in the library itself nor in any steplib.
Action	Contact your Natural Security administrator.

NAT0849: A library with that ID already exists.

Text	A library with that ID already exists.
Explanation	User/library IDs must be unique.
Action	Enter a user ID which is not equal to any library ID.

18 Natural System Error Messages 0850-0899

NAT0850: Restart program :1: cannot be found.

Text	Restart program ... cannot be found.
Explanation	The restart program specified in the security profile of the library used cannot be found, neither in the library itself nor in any steplib.
Action	Contact your Natural Security administrator.

NAT0851: Error program :1: cannot be found.

Text	Error program ... cannot be found.
Explanation	The error program specified - either in the security profile of the library used or with the parameter ETA - cannot be found, neither in the library itself nor in any steplib.
Action	Contact your Natural Security administrator.

NAT0852: Incomplete security profile; call security administrator.

Text	Incomplete security profile; call security administrator.
Explanation	Either you are defined to Natural Security as a user of type MEMBER. Users of this type must be contained in at least one group. You have not been added to any group, or your user type should be changed. Or your terminal is defined to Natural Security, but is not contained in any group.
Action	Contact your Natural Security administrator.

NAT0853: Logon accepted to library :1:. This library is empty.

Text	Logon accepted to library .... This library is empty.
Action	No action required.

NAT0854: Logon accepted to library :1:.

Text	Logon accepted to library ....
Action	No action required.

NAT0855: New password must be at least :1: characters long.

Text	New password must be at least ... characters long.
Explanation	Natural Security requires that passwords have a minimum length.

Action	Choose a longer password.

NAT0856: Automatic logon with invalid logon data; logon failed.

Text	Automatic logon with invalid logon data; logon failed.
Action	Contact your Natural Security administrator.

NAT0857: This user is currently locked.

Text	This user is currently locked.
Action	Contact your Natural Security administrator.

NAT0858: Format of expiration date must be as in top right corner.

Text	Format of expiration date must be as in top right corner.
Explanation	The expiration date for a mailbox must be entered in the same format as the date displayed in the top right hand corner of the screen.
Action	Enter valid expiration date in valid format.

NAT0859: Expiration date may not be a date in the past.

Text	Expiration date may not be a date in the past.
Action	Enter a valid date.

NAT0860: Invalid code.

Text	Invalid code.
Action	Enter valid code.

NAT0861: User has no special link to library.

Text	User has no special link to library.
Action	Contact your Natural Security administrator.

NAT0862: This Natural session is not under Natural Security.

Text	This Natural session is not under Natural Security.
Explanation	In order to perform the desired function, your Natural session must be running under Natural Security.
Action	Invoke Natural under Natural Security (ask your Natural administrator if necessary) before you perform the desired function. If Natural Security is not installed, that function is not available.

NAT0863: Logon to this library not allowed via link ID ":1:".

Text	Logon to this library not allowed via link ID "...".
Action	Log on with a valid user ID; contact your Natural Security administrator if necessary.

NAT0864: No. Lib. ID Library Name*Type*Linked via*Spec.

Text	No. Lib. ID Library Name*Type*Linked via*Spec.
Explanation	Text displayed by Natural Security.

NAT0865: Invalid security file. Please contact your DBA.

Text	Invalid security file. Please contact your DBA.
Action	Contact your database administrator.

NAT0866: Your Natural nucleus is not a Natural Security nucleus.

Text	Your Natural nucleus is not a Natural Security nucleus.
Explanation	There is an inconsistency between your Natural nucleus and your Natural system file (FNAT). The nucleus is marked as non-Security, but the Natural system file contains Natural Security-specific programs. Possible reasons for this inconsistency are: - the nucleus has been illegally zapped. - the Natural master control record has been illegally zapped. - the Natural Security NATLOAD has not been performed successfully.
Action	Contact your Natural administrator. Repeat the NATLOAD for Natural, and - if your system is a Natural Security one - also repeat the NATLOAD for Natural Security.

NAT0867: Mailbox does not exist / not assigned to your environment.

Text	Mailbox does not exist / not assigned to your environment.

Action	Choose another mailbox ID; or contact your Natural Security administrator.

NAT0868: The expiration date of mailbox :1: is already reached.

Text	The expiration date of mailbox ... is already reached.
Action	If necessary, change the expiration date.

NAT0869: The file security record has been directly manipulated.

Text	The file security record has been directly manipulated.
Action	Contact your Natural Security administrator.

NAT0870: Upload is not permitted.

Text	Upload is not permitted.
Action	Contact your Natural Security administrator.

NAT0871: Download is not permitted.

Text	Download is not permitted.
Action	Contact your Natural Security administrator.

NAT0872: Invalid function code.

Text	Invalid function code.
Action	Enter valid function code.

NAT0873: User ID or password invalid.

Text	User ID or password invalid.
Action	Enter correct user ID and correct password.

NAT0874: Press ENTER for next page, or "." to terminate session.

Text	Press ENTER for next page, or "." to terminate session.

NAT0875: This user is currently not active.

Text	This user is currently not active.
Action	Contact your Natural Security administrator.

NAT0876: New password is not valid. Please choose a different one.

Text	New password is not valid. Please choose a different one.
Explanation	The new password was denied for one of the following reasons: 1) The new password is too similar to previous passwords. 2) The new password does not conform to the rules for passwords.

Action	Contact your Natural Security administrator.

NAT0877: Utility :1: access denied by Security. Contact your DBA.

Text	Utility ... access denied by Security. Contact your DBA.
Explanation	The utility is for restricted use only.
Action	Please contact your security administrator.

NAT0878: Assigned group :1: is currently not active.

Text	Assigned group ... is currently not active.
Explanation	In a Natural Security (NSC) environment: - The NSC group ID shown in the message is defined with a date which marks this group ID as currently inactive. Additional information for NSF environments: - The group ID, for the user ID defined in the security system, is not defined in NSC, or the NSC group profile is inactive, or the NSC user profile is of another user type.
Action	Contact your Natural Security administrator.

NAT0879: No active group assigned.

Text	No active group assigned.
Explanation	The user is not assigned to a group with a valid activation date.

Action	Contact your Natural Security administrator.

NAT0880: More than 10 syntax errors occurred in BATCH compile.

Text	More than 10 syntax errors occurred in BATCH compile.
Action	Correct syntax errors and re-compile.

NAT0881: During compilation, the internal :1: table exceeds :2: maximum.

Text	During compilation, the internal ... table exceeds ... maximum.
Explanation	During compilation of a program, various tables are generated to build the object. One of these tables exceeds its maximum size. Identification list: GPT - Generated program buffer KST - Constant buffer MPT - Array structure buffer RNM - SQL generation buffer SBT - Database access buffer VAT - SQL generation buffer VDT - Variable access buffer
Action	According to the buffer identification, the program must be reduced in size.

NAT0884: Internal error, save area chain destroyed.

Text	Internal error, save area chain destroyed.
Explanation	The relocatable save area in Natural is destroyed. Natural resets the chain and restarts. Natural always tests the correct chains of its save areas. The error is caused by a wrong register 13, a save area overflow, or a wrong relocated user area. One reason for a save area overflow may be too many recursive program calls.

Action	Natural corrects automatically and restarts. If need be, reduce the number of recursive program calls.

NAT0885: Internal error, I/O buffer overwritten.

Text	Internal error, I/O buffer overwritten.
Explanation	The buffer area that is used to generate output to the screen/printer is also used for other purposes. A condition has arisen where the contents of this I/O buffer have been destroyed, and the buffer has not been re-initialized.
Action	Note down the command sequence and contact your Natural administrator.

NAT0886: Storage overflow in extended buffer.

Text	Storage overflow in extended buffer.
Explanation	Certain tables during processing and compilation of Natural programs are stored in the extended buffer. The size of the extended buffer is defined by the Natural administrator with the profile parameter ESIZE (on z/OS) and SSIZE (on open systems). This error may also be caused by loading a large source object into the source work area or by attempting to write too many data to the Natural stack.
Action	On z/OS, increase the size of the profile parameter ESIZE. In general, contact your Natural administrator.

NAT0887: Internal stack overflow.

Text	Internal stack overflow.
Explanation	During a stack operation into the runtime buffer a table overflow occurred. This situation should never occur and is probably caused by an (incorrect) excessive store in a runtime buffer table.
Action	Ask your Natural administrator to increase the RUNSIZE parameter; if problem persists, contact technical support.

NAT0888: Storage overflow during compilation or execution.

Text	Storage overflow during compilation or execution.
Explanation	This error is caused by an overflow situation: - At compilation time, this error is issued if the length of an arithmetic expression in an IF condition exceeds the maximum of 32 KB. - At execution time, this error is due to a relocation of the DATSIZE buffer at execution of a Natural subprogram from a 3GL program (Natural 3GL program interface).
Action	Compilation: Reduce the number of arithmetic operations in the condition. Execution: Use the CALLNAT interface INTERFACE4.

NAT0890: Invalid source parameter construction.

Text	Invalid source parameter construction.
Explanation	A possible cause for the error is the construction of a parameter source notation within another source parameter. Natural supports only one level of parameter source processing.

Action	Check program and correct error.

NAT0891: Natural symbol table exceeds maximum size of 512K.

Text	Natural symbol table exceeds maximum size of 512K.
Explanation	During compilation, symbols in a program are covered in a buffer, called symbol table (SYT). The maximum size of the SYT (512K) overflows.
Action	Reduce the number of variables in the program and recompile.

NAT0892: Maximum statement length exceeded

Text	Maximum statement length exceeded
Explanation	A single Natural statement must not exceed 64KB in length.
Action	Reduce the statement length.

NAT0894: Invalid format/length for operand.

Text	Invalid format/length for operand.
Explanation	An invalid format/length definition is used for an operand. This can have the following reasons: MINVAL/MAXVAL: The combination of operands with their format/length definitions does not comply with the rules for the generation of intermediate formats. Use the IR clause to set a certain format/length as result.

Action	Change the format/length of the operands.

NAT0898: GFID validation error (:1:).

Text	GFID validation error (reason/LDA-name/view-name/field-name).
Explanation	During the generation of a global format ID (GFID) for a database-access statement, a validation error was encountered, because a view-field definition was changed in the DDM, but the LDA containing the view was not recataloged. Reason codes: 4: DB short name was changed. 8: Field format was changed. 12: Field length was changed. 16: Total view length is different. 20: Inconsistent LDA image found, delete LDA from buffer pool and catalog again.
Action	Recatalog the specified LDA, or set GFID=OFF with a COMPOPT command or OPTIONS statement so that GFIDs are not used.

NAT0899: Internal error in structure of DDM :1:.

Text	Internal error in structure of DDM ....
Explanation	The DDM was not correctly generated and contains an internal inconsistency.
Action	Re-generate the DDM.

19 Natural System Error Messages 0900-0949

NAT0900: Storage overflow while assigning data area.

Text	Storage overflow while assigning data area.
Explanation	The storage area that contains the data area for the program overflowed during address assignment for data fields. or: There are more than 50 external subroutines referenced in the program. or: There was an overflow while composing an executable object.
Action	Reduce the data areas in the program, or use fewer database fields, or increase the DATSIZE profile parameter and restart the session.

NAT0901: Length of record to be sorted exceeds 10240 bytes.

Text	Length of record to be sorted exceeds 10240 bytes.
Explanation	The total length of the record to be sorted must not exceed 10240 bytes. Note: The fields written to sort storage are not only those fields specified in the SORT statement, but all database fields and user-defined variables defined before the SORT statement.

Action	Ensure that the sort record does not exceed 10240 bytes.

NAT0902: Generation of format buffer fails. Reason code :1:.

Text	Generation of format buffer fails. Reason code ....
Explanation	During the generation of format buffers, the following error situation occurred. Reason code descriptions: 4 - The generation buffer overflowed and the buffer could not be enlarged because there was not enough memory available. Ac.==> Start Natural in a larger thread/partition/region. 8 - Length of generated format buffer exceeds maximum of 32 KB. Ac.==> Reduce the number of fields in the format buffer. 12 - At runtime, a format buffer could not be expanded because there was not enough memory available. Ac.==> Start Natural in a larger thread/partition/region. 16 - At runtime, the storage needed to create the record buffer for a MULTI-FETCH database call could not be obtained. Ac.==> Start Natural in a larger thread/partition/region.
Action	See reason code descriptions above.

NAT0903: Storage overflow at execution time.

Text	Storage overflow at execution time.
Explanation	Storage overflow while creating a loop-table entry.
Action	Divide program into segments using "structured programming" techniques.

NAT0904: Too many <MOVE " " TO variable> in program.

Text	Too many <MOVE " " TO variable> in program.
Explanation	The program contains too many <MOVE " " TO variable> statements.
Action	Replace the statements with <RESET variable>.

NAT0906: Natural nucleus does not support old object code.

Text	Natural Nucleus does not support old object code.
Explanation	Only Natural objects cataloged/stowed with a version supported by this Natural Runtime version can be processed.
Action	Catalog/stow the Natural object with a newer Natural version.

NAT0907: Generation of record buffer failed. Reason code :1:.

Text	Generation of record buffer failed. Reason code ....
Explanation	During the generation of a database statement, the following error situation occurred. Reason code description: 4 - Under Natural for Open Systems: The record buffer size of an Adabas access statement exceeds 64 KB. 4 - Under Natural for z/OS: The record buffer size of a database access statement directed to Adabas Version 7 (or below) or to VSAM exceeds 32 KB. A record buffer size greater than 32 KB is only permitted if the called database is defined as Adabas V8 (see Profile Parameter DB). 8 - For Db2/SQL access statements the record buffer size exceeds the maximum of 32 KB.

Action	Reduce the number of record buffer fields.

NAT0909: Data buffer :1: not expandable while NATXCAL is active.

Text	Data buffer ... not expandable while NATXCAL is active.
Explanation	When a subprogram is invoked via the 3GL interface (NATXCAL, NCIXCALL, NCIXCPRM), a data buffer cannot be expanded if one of the data fields residing in this buffer was supplied as a parameter with the CALL statement that has invoked the 3GL program. One of the following data buffers may be affected: AIVDAT - buffer for AIV variables, GLBUSER - buffer for user global variables, GLBSYS - buffer for system global variables, DATSIZE - buffer for local variables.
Action	If the buffer indicated is "DATSIZE", start Natural with an increased value for the DATSIZE profile parameter.

NAT0910: Insufficient space for WRKSIZE to process SORT statement.

Text	Insufficient space for WRKSIZE to process SORT statement.
Explanation	The processing of the SORT statement requires the WRKSIZE buffer whose size is specified with the NTSORT/SORT profile parameter. Either WRKSIZE has been set to zero or its value exceeds the available space in the current thread/partition/region/task (where thread refers to the Natural thread). In case of a Natural thread the overflow size OVSIZE is also exceeded or could not be allocated.
Action	Either decrease WRKSIZE, or start Natural in a larger thread/partition/region/task, or increase OVSIZE.

NAT0911: * Free ***

Text	*** Free ***
Explanation	Message is not used anymore in NAT92x
Action	Message can be deleted for NAT93x

NAT0912: Gateway :1: not found in region :2: on host :3:.

Text	Gateway ... not found in region ... on host ....
Explanation	The Natural Gateway program could not be found after a switch of the Natural session into the region on the host indicated. The Natural Gateway program is disabled for the current Natural session.
Action	Check if the Natural nucleus in said region on said host is linked with said Natural Gatway program.

NAT0916: Return code :1: from :2: user exit :3:.

Text	Return code ... from ... user exit .... that caused Natural to discontinue program execution.
Explanation	The user exit detected a condition that prevented the completion of the operation. The condition has been indicated to Natural by means of a return code. The return code is specific to the user exit. Natural program execution has been terminated.
Action	Contact your Natural administrator or the author of the specified user exit.

NAT0917: Error :1: in :2: :3:.

Text	Error ... in ... .
Explanation	An error occurred in a statement of a copycode. This message is added to the initial error to show the object and line of the INCLUDE statement. In case of nested INCLUDEs, the message is added for each INCLUDE level. The messages can be displayed with the system command LASTMSG. Example: Program MAIN includes copycode COPYC at line 100. COPYC calls subprogram SUB1 at line 200. SUB1 does not exists. - Initial error message: COPYC 0200 NAT0923 Invalid program call (Callnat Program SUB1/... - Additional error message: MAIN 0100 NAT0917 Error 923 in Copycode COPYC.
Action	Check program and correct error.

NAT0918: ESCAPE (TOP) not allowed in ON ERROR or AT block.

Text	ESCAPE (TOP) not allowed in ON ERROR or AT block.
Explanation	This error may be caused by one of the following: 1. An ESCAPE statement was used to exit from a currently active ON ERROR block. However, an ON ERROR block must be exited with a FETCH, STOP, TERMINATE or RETRY statement. 2. An ESCAPE TOP statement was used within one of the following conditions: - AT BREAK - AT START OF DATA - AT END OF DATA
Action	Correct error in program.

NAT0919: Too many parameters in CALL statement.

Text	Too many parameters in CALL statement.
Action	Reduce number of parameters in CALL statement.

NAT0920: Program :1: cannot be loaded :2:.

Text	Program ... cannot be loaded ....
Explanation	The specified external program could be neither loaded dynamically nor located statically. See the supplied operating-system/TP-monitor return code of the failing LOAD request for details. Possible reasons: - The program to be loaded dynamically is not contained in the load libraries currently defined to Natural. - Under CICS: The program is not defined to CICS. - There was not enough storage available to load the program dynamically (under Com-plete: the Com-plete thread was too small). - The limit for the number of programs to be dynamically loaded was exceeded. - For static programs: the program is not defined in the Natural parameter module with the CSTATIC parameter or not linked to the Natural parameter module.
Action	Make sure that the program is contained in a library available to or linked to Natural. Contact your Natural administrator concerning the setting of the Natural profile parameters CDYNAM and CSTATIC.

NAT0921: Maximum call level reached.

Text	Maximum call level reached.
Explanation	Natural supports calls to other Natural objects up to a maximum level. Whenever a Natural object invokes another Natural object (e.g. via CALLNAT, INPUT MAP, PERFORM, FETCH RETURN), the level counter is incremented by one. When the level counter exceeds the maximum level, this error is issued. This error usually occurs when an object calls itself recursively. See the Natural documentation, system variable *LEVEL, for further information.

Action	Check program and correct error.

NAT0922: Buffer pool not active.

Text	Buffer pool not active.
Explanation	Natural requires an active buffer pool manager.
Action	Contact your Natural administrator.

NAT0923: Invalid program call (:1: :2: :3:/:4:/:5:/:6:).

Text	Invalid program call (:1: :2: :3:/:4:/:5:/:6:).
Explanation	The Natural object :3: (of type :2:, loaded from library :4:, database :5:, file number :6:) cannot be invoked by statement or command :1:.
Action	Invoke Natural objects by the appropriate statements/commands.

NAT0924: Command invalid in this context (:1: :2: :3:).

Text	Command invalid in this context (:1: :2: :3:).
Explanation	The command :1: is invalid for object :3: of type :2:.
Action	Consult the documentation and try again.

NAT0925: GDA signature conflict.

Text	GDA signature conflict.
Explanation	This error occurs if a program references a global data area (GDA) which was recataloged with a changed GDA structure. If a GDA structure is changed, all objects which reference the GDA must also be cataloged.
Action	Check the program structure and recatalog. When running on z/OS, you may use the profile parameter RECAT=ON. RECAT=ON is notpossible for programs cataloged with the Natural Optimizer Compiler.

NAT0926: Compile option GDASC mismatch.

Text	Compile option GDASC mismatch.
Explanation	This error occurs if a program referencing a global data area (GDA) is cataloged with compile option GDASC=ON and the GDA was cataloged with compile option GDASC=OFF.
Action	Check the program structure and catalog with compile option GDASC=OFF, or recatalog the GDA with compile option GDASC=ON.

NAT0927: FETCH RETURN statement rejected by Natural Security.

Text	FETCH RETURN statement rejected by Natural Security.
Explanation	A program called via a FETCH RETURN statement is security protected and, therefore, cannot be called from another Natural program.
Action	Contact your Natural or Natural Security administrator.

NAT0928: Program can only be executed from a SYS* library.

Text	Program can only be executed from a SYS* library.
Explanation	This program is security protected and can only be executed from a SYS* library. (SYSTEM is not treated as a SYS* library.)
Action	Log on to the correct library.

NAT0929: Program cannot be executed in batch mode.

Text	Program cannot be executed in batch mode.
Explanation	An attempt was made to execute in batch mode a program that contains online functions/features.
Action	Execute the program in interactive mode.

NAT0930: Program cannot be executed online.

Text	Program cannot be executed online.
Explanation	An attempt was made to execute in interactive mode a program that contains functions/features only available in a batch mode environment.
Action	Execute the program in batch mode.

NAT0931: CMSYNIN job control definition is missing.

Text	CMSYNIN job control definition is missing.
Explanation	In batch mode execution, the DD statement for the definition of the main command and source input for Natural is missing. No commands can be read.
Action	Specify definition for the CMSYNIN file in the job control.

NAT0932: Program version error.

Text	Program version error.
Explanation	The executing program has been recataloged by another user between screen I/Os (that is, it is possible that the program has been stowed by a second user while a first user is still using it).
Action	Contact your Natural administrator.

NAT0933: GDA time-stamp conflict.

Text	GDA time-stamp conflict.
Explanation	This error occurs if a program references a global data area (GDA) which was recataloged or a GDA that has been moved from another environment after the program has been cataloged. Also the program that references the GDA could have been moved from a different environment into the current one causing a GDA time-stamp conflict. If a GDA is cataloged again, all objects which reference the GDA must also be cataloged again.

Action	Check the program structure and recatalog if necessary, or use the compile option GDASC=ON. On z/OS, you may consider setting the profile parameter RECAT=ON.

NAT0934: GDA :1: conflicts with active GDA :2:.

Text	GDA ... conflicts with active GDA ....
Explanation	A Natural subprogram, i.e. an object executing at a level > 1, is trying to overwrite an existing GDA. An existing GDA can only be overwritten by a main program, i.e. an object executing at level 1.
Action	Check program and correct error.

NAT0935: Conflicting number of parameters (:1: :2:/:3:/:4:/:5:).

Text	Conflicting number of parameters (:1: :2:/:3:/:4:/:5:).
Explanation	The number of parameters defined in object :2: (of type :1:, loaded from library :3:, database :4:, file number :5:) does not correspond to the number of parameters used to invoke the object.
Action	Check program and correct error.

NAT0936: Format/length conflict in parameter :1: (:2: :3:/:4:/:5:/:6:).

Text	Format/length conflict in parameter :1: (:2: :3:/:4:/:5:/:6:).
Explanation	The parameter defined at position :1: in object :3: (of type :2:, loaded from library :4:, database :5:, file number :6:) does not match the format/length of the corresponding parameter used to invoke it. The following conditions must be met: - The formats must be equal. - The lengths must be equal. - The precisions must be equal.

Action	Check program and correct error.

NAT0937: Wrong array defined in param. :1: (:2: :3:/:4:/:5:/:6:).

Text	Wrong array defined in param. :1: (:2: :3:/:4:/:5:/:6:).
Explanation	The array defined as parameter at position :1: in object :3: (of type :2:, loaded from library :4:, database :5:, file number :6:) does not match the array or array range used as corresponding parameter to invoke it. The following conditions must be met: - The ranks must be equal. - The occurrences of each dimension must be equal. This error also occurs if a 3GL routine calls a subprogram, and the subprogram"s PDA specifies a variable array range (1:V).
Action	Check program and correct error.

NAT0938: Prot. param. :1: used as target field (:2: :3:/:4:/:5:/:6:/).

Text	Prot. param. :1: used as target field (:2: :3:/:4:/:5:/:6:/).
Explanation	The parameter defined at position :1: in object :3: (of type :2:, loaded from library :4:, database :5:, file number :6:) is used as a target operand. However, this parameter is protected: it is a constant, or it has the attribute (AD=ON), and must not be modified.
Action	Check program and correct error.

NAT0939: Natural editor is not linked and cannot be loaded.

Text	Natural editor is not linked and cannot be loaded.

Explanation	The Natural editor modules are not linked and cannot be loaded.
Action	Contact your database administrator.

NAT0940: This terminal command is not supported.

Text	This terminal command is not supported.
Explanation	Terminal commands for screen paging cannot be used under every TP monitor.
Action	Enter a valid command.

NAT0941: Invalid size for screen-paging system file.

Text	Invalid size for screen-paging system file.
Explanation	A screen-paging command was entered, but the size of the system file used for screen paging was "0", which means that no screens can be stored.
Action	Restart Natural session with valid size for screen-paging system file.

NAT0942: Invalid use of hardcopy facility.

Text	Invalid use of hardcopy facility.
Explanation	The Natural hardcopy facility is only available under the TP monitor Com-plete.

Action	Enter a valid Natural command.

NAT0943: Screen paging open function failed.

Text	Screen paging open function failed.
Action	Check the status of the screen-paging system file.

NAT0944: Screen paging record overflow.

Text	Screen paging record overflow.
Explanation	An attempt was made to write to the screen-paging system file a record which was larger than the screen page size.
Action	Increase the size of the physical terminal buffer.

NAT0946: Screen paging write failed.

Text	Screen paging write failed.
Explanation	An error occurred during an attempt to write a screen to the screen-paging system file.
Action	Check the status of the screen-paging system file.

NAT0947: Screen paging read failed.

Text	Screen paging read failed.
Explanation	An error occurred during an attempt to read a screen from the screen-paging system file.
Action	Check the status of the screen-paging system file.

NAT0949: Limit of :1: concurrent sessions exceeded for user :2:.

Text	Limit of ... concurrent sessions exceeded for user ....
Explanation	The maximum number of concurrent sessions allowed for the user as indicated in the message has been exceeded.
Action	Reduce the number of concurrent sessions.

20 Natural System Error Messages 0950-0999

NAT0950: Abnormal end due to unhandled LE condition :1:.

Text	Abnormal end due to unhandled LE condition ....
Explanation	During the execution of an LE (IBM Language Environment) subprogram, an error condition has occurred. As no condition handler was active in the subprogram to handle the error, control has been passed to the Natural LE condition handler, which calls LE services to write an LE snap dump to CEEDUMP and to issue more detailed LE error messages.
Action	Check the LE error condition, the messages and the snap dump to find out the reason of the error. If necessary, correct the LE subprogram.

NAT0951: Normal end of execution.

Text	Normal end of execution.
Explanation	This message indicates the successful execution or completion of a Natural batch job.

Action	No action required.

NAT0952: Database loop processing limit exceeded.

Text	Database loop processing limit exceeded.
Explanation	The processing limit of a HISTOGRAM/FIND/READ database loop is specified via a numeric constant or a numeric user-defined variable. When this limit is exceeded, this does not necessarily indicate an error condition; however, the records which met the search criteria in a database loop but which are beyond the limit have not been processed. Note: The general limit for processing loops may also be set with the Natural session parameter LT.
Action	Increase the limit value or ignore this error message.

NAT0953: Time limit exceeded.

Text	Time limit exceeded.
Explanation	In TP mode, this message means that the time-out parameter specified for the TP monitor at system generation time is not sufficient to handle current program requirements. In batch mode, after determining that the program is not in an endless loop, the MT parameter (via a SET GLOBALS statement or GLOBALS command) can be used to increase the CPU-time factor.
Action	Check program and correct it if necessary. If program is correct, contact your Natural administrator.

NAT0954: Abnormal termination :1: during program execution.

Text	Abnormal termination ... during program execution.
Explanation	An abnormal termination has occurred during the execution of a Natural object program. A common cause of this error is the use of an arithmetic operand which does not contain valid numeric data at execution time.
Action	Check program and correct error.

NAT0955: Abnormal termination :1: during program compilation.

Text	Abnormal termination ... during program compilation.
Explanation	An internal abnormal termination has occurred during the Natural syntax/compilation phase.
Action	Contact your Natural administrator.

NAT0956: Abnormal termination :1: during command analysis.

Text	Abnormal termination ... during command analysis.
Explanation	An abnormal termination of the Natural system has occurred during the evaluation of a command.
Action	Contact your Natural administrator.

NAT0957: Database loop limit reached with "LE=ON".

Text	Database loop limit reached with "LE=ON".
Explanation	The limit specified for a database processing loop in a FIND, READ or HISTOGRAM statement was reached. This leads to a termination of the loop statement and the program flow continues normally with the statement following the aborted loop. At the end of the program, error message NAT0957 is encountered, if parameter "LE=ON" is set. The limit may be either set with an explicit value supplied in the database loop statement (e.g. FIND (10) ..) or, if no explicit limit was given, globally in a program with the LIMIT statement (e.g. LIMIT 10). In batch mode, Natural will continue processing only if the session parameter CC is set to "OFF".
Action	Increase the limit value or set "LE=OFF".

NAT0958: Invalid usage of ODA (object data area) in method :1:.

Text	Invalid usage of ODA (object data area) in method ....
Explanation	Object data areas (ODAs) are defined in methods to use class-specific data. If an ODA is defined in a subprogram, this subprogram can only be called as a method of a class (statement SEND METHOD). Also the ODA defined in a method must be compatible to the ODA defined in the class. The method is either being called without using SEND METHOD, or the ODA defined in the method contains a different number of variables than the ODA defined in the class.
Action	Activate the method using SEND METHOD. Ensure that the ODA defined in the method contains the same number of variables as the ODA defined in the class.

NAT0959: Inconsistent ODA structure in class :1: and method :2: (:3:).

Text	Inconsistent ODA structure in class ... and method ... (...).
Explanation	Object data areas (ODAs) are defined in methods to use class-specific data. Therefore, the structure of the ODA defined in the class must match the structure of the ODA defined in the method. An inconsistency was detected for the variable shown in brackets.
Action	Ensure that the variables contained in the ODA of a method and its class have the same format and length.

NAT0960: SAVE/CATALOG/PURGE/UNCATALOG terminated unsuccessfully.

Text	SAVE/CATALOG/PURGE/UNCATALOG terminated unsuccessfully.
Explanation	The operation was attempted repeatedly and a response code of "9" for transaction back-out was received from Adabas when XREF data were processed.
Action	Ask your Natural administrator to review the maximum transaction duration time setting for Adabas.

NAT0961: Concurrent SAVE/CAT/PURGE/UNCAT; or hold queue full.

Text	Concurrent SAVE/CAT/PURGE/UNCAT; or hold queue full.
Explanation	The same source program/object module is currently being processed for update by another user. This error condition can also be produced when Adabas response code "145" is received while attempting to delete the "old" copy of the Natural source or object program. A common reason for this error is an overflow of the Adabas hold queue.

Action	Retry operation later. If problem persists, notify your Natural administrator.

NAT0962: Invalid access to Natural system library.

Text	Invalid access to Natural system library.
Explanation	An attempt was made to access/replace a program in the Natural system library "SYSLIB". The use of "SYSLIB" is restricted to Natural system routines; a user must not use library ID "SYSLIB".
Action	Do not attempt to access the system library "SYSLIB".

NAT0963: Security violation during program execution (:1:).

Text	Security violation during program execution (...).
Explanation	The current user has attempted to execute a Natural program which has a restricted status.
Action	Contact your Natural administrator.

NAT0964: Subroutine/Function :1: already exists as member :2:.

Text	Subroutine/Function ... already exists as member ....
Explanation	Names of subroutines/functions within a library must be unique.
Action	Choose another name for the subroutine/function.

NAT0965: ConvError returning RESULT parameter :1: (:2: :3:/:4:/:5:/:6:)

Text	Conversion error returning RESULT parameter :1: (:2: :3:/:4:/:5:/:6:)
Explanation	While returning the value of parameter :1:, which was defined with the attributes BY VALUE RESULT in object :3: (of type :2:, loaded from library :4: from database :5: file number :6:), a conversion error has occurred. Check if the current value complies with the "Rules for Arithmetic Assignment" described in the Natural documentation.
Action	Correct error in program.

NAT0966: ConvError assign BY VALUE parameter :1: (:2: :3:/:4:/:5:/:6:)

Text	Convs. error assigning BY VALUE parameter :1: (:2: :3:/:4:/:5:/:6:)
Explanation	During assignment of the value of parameter :1:, which is defined with the attributes BY VALUE (RESULT) in object :3: (of type :2:, loaded from library :4: from database :5: file number :6:), a conversion error has occurred. Check if the current value complies with the "Rules for Arithmetic Assignment" described in the Natural documentation.
Action	Correct error in program.

NAT0967: Function :1: not permitted in current context.

Text	Function ... not permitted in current context.
Explanation	The function indicated is not permitted in a certain context, e.g. while the 3GL callnat interface, a SEND METHOD or a PARSE is active.

Action	Correct error in program.

NAT0968: Mandatory parameter :1: not specified (:2: :3:/:4:/:5:/:6:).

Text	Mandatory parameter ... not specified (... .../.../.../...)
Explanation	The parameter, which is not specified as optional in the PDA, was not passed. The called object is described by type, name, database ID, and file number. This error can occur also if too few parameters are passed.
Action	Check program and correct the error.

NAT0969: Dynamic parameter :1: mismatch (:2: :3:/:4:/:5:/:6:).

Text	Dynamic parameter :1: mismatch (:2: :3:/:4:/:5:/:6:).
Explanation	The parameter defined at position :1: in object :3: (of type :2:, loaded from library :4:, database :5:, file number :6:) does not match with the corresponding parameter used to invoke it. The parameters, which are used by reference, must be either dynamic in both caller and declaration, or non-dynamic in both caller and declaration.
Action	Check programs and correct the error.

NAT0970: Source line limit for program creation is zero.

Text	Source line limit for program creation is zero.
Explanation	When the security authorization for this user in this application was defined, the user was allowed to create source programs but the limit for the number of source lines to be created was erroneously set to "0".

Action	Contact your Natural Security administrator.

NAT0971: Source line limit reached.

Text	Source line limit reached.
Explanation	In the security authorization for this user in this application, a limit of source lines to be created in new programs has been defined. The user cannot exceed this limit when creating new programs.
Action	Either reduce program size or ask your Natural Security administrator to increase the limit of source lines.

NAT0972: User is not authorized to use this command: :1:.

Text	User is not authorized to use this command: ....
Explanation	In the security authorization for this user in this application, only specific commands have been made available. The user is not allowed to use the command specified.
Action	Do not use this command in this environment, or contact your Natural Security administrator for authorization.

NAT0973: User is not authorized to use this statement.

Text	User is not authorized to use this statement.
Explanation	In the security authorization for this user in this application, only certain statements have been made available. The user is not allowed to use the specified statement.

Action	Do not use this statement, or ask your Natural Security administrator for authorization.

NAT0974: User is not authorized to use this file.

Text	User is not authorized to use this file.
Explanation	In the security authorization for this user in this application, only certain files have been made available. The user is not allowed to use the specified file.
Action	Either do not use this file or contact your Natural Security administrator for authorization.

NAT0975: User is not authorized to update this file.

Text	User is not authorized to update this file.
Explanation	In the security authorization for this user in this application, only certain files have been made available for updating. The user is not allowed to update the specified file.
Action	Do not update this file, or contact your Natural Security administrator for authorization.

NAT0976: Inconsistent security definition for command selection.

Text	Inconsistent security definition for command selection.
Explanation	An inconsistent definition may occur if the Natural administrator has selected commands on the selection screen in the Natural Security system that are not defined to the system.

Action	Contact your Natural administrator.

NAT0977: Inconsistent security definition for statement selection.

Text	Inconsistent security definition for statement selection.
Explanation	An inconsistent security definition may occur if the Natural administrator selects statements that are not defined to the system.
Action	Contact the Natural administrator.

NAT0978: Invalid use of default format definition (N7).

Text	Invalid use of default format definition (N7).
Explanation	Natural Security allows specification of the user characteristics; one option of these is whether the user is allowed to use the default format definition (N7). For this user in this application, the option is not allowed.
Action	You must explicitly specify the format/length of variables.

NAT0979: Specification of the library not allowed.

Text	Specification of the library not allowed.
Explanation	In a security-protected environment, a user may not access a library by merely specifying the library ID in a command. The user must properly log on to the library and may then access it. This protection is also valid in a non-security environment for a library ID that starts with "SYS".

Action	Log on to the desired library and then re-issue the command.

NAT0980: Invalid use of database file number.

Text	Invalid use of database file number.
Explanation	The use of a file number in a database access statement is not allowed.
Action	Use the view name instead of a file number.

NAT0981: Use of 2-character database short-name field not allowed.

Text	Use of 2-character database short-name field not allowed.
Explanation	A reference to a 2-character database short-name field is not permitted, 1)- when running under Natural Security; 2)- inside the definition of a data-view (DEFINE DATA); 3)- when a DEFINE DATA LOCAL was previously used to define variables; 4)- when the compiler option DBSHORT=OFF is set.
Action	Do not use 2-character database short-name fields.

NAT0982: Internal error; invalid system command requested.

Text	Internal error; invalid system command requested.
Explanation	A system command was requested that requires a Natural program which is not defined.

Action	Contact your Natural administrator.

NAT0983: Update commands not authorized by Natural Security.

Text	Update commands not authorized by Natural Security.
Explanation	You are not allowed to issue update commands.
Action	Contact your Natural administrator concerning Natural Security definition/authorization.

NAT0984: This file is not defined in Natural Security.

Text	This file is not defined in Natural Security.
Action	Check program and correct error, or contact your Natural Security administrator.

NAT0985: Return value not defined in function :1: (:2:/:3:/:4:).

Text	Return value not defined in function ... (.../.../...).
Explanation	A return value is required by the calling object, but not defined in the called function. The name of the function, its library, DBID and FNR are indicated in the error message.
Action	Check program and correct error.

NAT0986: Format/length conflict in return variable (:1:/:2:/:3:/:4:).

Text	Format/length conflict in return variable (.../.../.../...).
Explanation	The return variable specified in the DEFINE PROTOTYPE statement is defined with a format/length different from that of the corresponding return variable defined in the called function. The name of the function, its library, DBID and FNR are indicated in the error message.
Action	Check program/function and correct error.

NAT0987: Conversion error in BY VALUE variable (:1:/:2:/:3:/:4:).

Text	Conversion error in BY VALUE variable (.../.../.../...).
Explanation	While returning the value of a return variable which is defined with the attribute BY VALUE in a function, a conversion error has occurred. Make sure that the value specified in the DEFINE PROTOTYPE statement matches the "Rules for arithmetic assignment" described in the Natural documentation. The name of the function, its library, DBID and FNR are indicated in the error message.
Action	Correct error in program.

NAT0988: Dynamic return variable mismatch (:1:/:2:/:3:/:4:).

Text	Dynamic return variable mismatch (.../.../.../...).
Explanation	A return variable which is used by reference must be either dynamic in both the DEFINE PROTOTYPE statement and the function declaration, or non-dynamic in both the DEFINE PROTOTYPE statement and the function declaration. The name of the function, its library, DBID and FNR are indicated in the error message.

Action	Check program/function and correct error.

NAT0989: Parameter format not allowed for call from 3GL.

Text	Parameter format not allowed for call from 3GL.
Explanation	A Natural subprogram which is invoked from a third-generation language like Cobol, PL/I, or C, cannot use parameters defined as DYNAMIC variable, X-array, or variable array (1:V).
Action	In a Natural subprogram to be invoked from a 3GL, define as parameters only static variables and arrays with fixed index bounds.

NAT0997: Invalid format buffer for STORE/UPDATE statement.

Text	Invalid format buffer for STORE/UPDATE statement.
Explanation	Natural has detected a format buffer for a STORE/UPDATE statement with a length of zero. This is invalid.
Action	Check program and correct error.

NAT0998: Internal error :1:.

Text	Internal error ....
Action	Contact your Natural administrator.

NAT0999: Internal error.

Text	Internal error.
Action	Contact your Natural administrator.

21 Natural System Error Messages 1000-1049

NAT1000: FIND set name not found in RETAIN table.

Text	FIND set name not found in RETAIN table.
Explanation	A reference was made to a set name which had not been placed in the FIND set table by a FIND ... RETAIN statement.
Action	Enter correct set name.

NAT1001: DBID or file number of set do not agree with current file.

Text	DBID or file number of set do not agree with current file.
Explanation	If a FIND set is to be used in another FIND statement as a logical criterion, the set must have been selected from the same set that is currently being processed in the FIND statement. However, in the case of this error, the database ID and/or file number of the previously retained set is different from that of file that is currently being processed.

Action	Check program and correct error.

NAT1003: Global limit for database calls reached -> LT parameter.

Text	Global limit for database calls reached -> LT parameter.
Explanation	The maximum number of records permitted to be read from the database was exceeded. The number is set with the profile and session parameter LT. When a record is read from a database, with a FIND, READ or HISTOGRAM statement, a counter field is first incremented and then compared with the current value of the LT parameter. If the actual LT value is exceeded, runtime error NAT1003 is issued. When a Level 1 program is newly started, the counter field is reset and starts again with zero. When another object is called which runs on a level higher than 1, the counter is not reset and continues with the value that was already reached by the previous program.
Action	Increase the value of the LT parameter.

NAT1004: In FIND UNIQUE, 0 records or more than 1 record found.

Text	In FIND UNIQUE, 0 records or more than 1 record found.
Explanation	The FIND UNIQUE statement requires that exactly one record be found in the database.
Action	Check program and correct error.

NAT1005: More records found than specified in search limit.

Text	More records found than specified in search limit.

Explanation	The "WITH LIMIT = nnn" clause may be used to specify that a WHERE condition is only to be evaluated if fewer than "nnn" records have been selected after the evaluation of the basic search criteria.
Action	Increase the WITH limit, or redefine the basic search criteria.

NAT1006: Value specified for index is "0" or greater than maximum.

Text	Value specified for index is "0" or greater than maximum.
Explanation	The value specified for an index of a multiple-value field or a periodic group is either greater than the maximum or less than 1. For Adabas, the maximum index value may be up to 65534, depending on the Adabas version and definition of the FDT. For VSAM and DL/I, the maximum index value is 191. For DDMS, the maximum index value is 9999.
Action	Check program and correct error.

NAT1007: Integer value supplied is not in valid range.

Text	Integer value supplied is not in valid range.
Explanation	The integer value supplied is either negative or greater than 4GB-1. This is not permitted.
Action	Supply an integer value in the range from 0 to 4294967295.

NAT1008: Variable index defined in a RETAIN-List-Record-Buffer.

Text	Variable index defined in a RETAIN-List-Record-Buffer.

Explanation	A variable index is not allowed for a RETAIN-list record buffer, because the format buffer will not be released with EC command.
Action	Check program and correct error.

NAT1009: Program interrupted after :1: database calls.

Text	Program interrupted after ... database calls.
Explanation	Natural counts all database calls and compares the result with the setting of the parameter MADIO. When this value is reached, a loop is assumed and the program terminated. The database-call count is reset to 0 after a screen I/O operation.
Action	Correct error in program.

NAT1010: STORE/UPDATE/DELETE rejected due to UPDATE OFF command.

Text	STORE/UPDATE/DELETE rejected due to UPDATE OFF command.
Explanation	The program is being executed while "UPDATE OFF" is in effect. Whenever the program issues an STORE/UPDATE/DELETE statement for the database, this warning message is used to indicate that a database-updating statement was encountered but not executed.
Action	Contact your Natural administrator.

NAT1011: Requested function key not allocated.

Text	Requested function key not allocated.

Explanation	A user can only request a function by pressing a function key if the key has been defined in the program with a SET KEY statement. If this error message appears in response to NEXT, the KEY command may be used to assign a value to the function key.
Action	Define the function key as described above.

NAT1012: Update not allowed for system file.

Text	Update not allowed for system file.
Explanation	The user is not authorized to issue SAVE or CATALOG commands.
Action	Contact your Natural administrator.

NAT1013: Illegal terminal command requested.

Text	Illegal terminal command requested.
Explanation	For information on valid terminal commands, see the Natural documentation.
Action	Enter a correct terminal command, or press ENTER.

NAT1016: Application interrupted by a user action.

Text	Application interrupted by a user action.
	One of the following actions caused an application interrupt: - The terminal user interrupted the Natural program via an attention interrupt: RESETting the terminal and pressing the ENTER key. - Closing the Entire Connection upload or download dialog box by clicking on the CANCEL button caused an attention interrupt.

Explanation	- The application was interrupted via the typical system-interrupt key combination (e.g., CTRL+BREAK for Windows, CTRL+C for Linux).
Action	No action required.

NAT1017: Update not allowed for read-only database (:1:).

Text	Update not allowed for read-only database (...).
Explanation	The database indicated is set to "read-only" via the NTDB macro or the dynamic parameter DB.
Action	Check program and correct error.

NAT1018: Invalid database type for system file.

Text	Invalid database type for system file.
Explanation	For system files, the database type must be a version of ADABAS or VSAM. Example of valid setting: FNAT=(10,99),DB=(ADABAS,10) Example of invalid setting: FNAT=(10,99),DB=(DLI,10)
Action	Specify the correct database type in the DB parameter or NTDB macro.

NAT1019: Magnetic card reader must be activated with SET KEY.

Text	Magnetic card reader must be activated with SET KEY.
Explanation	Before reading data via a magnetic card reader, the magnetic card reader must have been made program-sensitive via a SET KEY statement (SET KEY MGID, SET KEY CDID, or SET KEY ALL).

Action	Correct error in program.

NAT1024: Total object size (:1: bytes) exceeds :2: Megabyte.

Text	Total object size (:1: bytes) exceeds :2: Megabyte.
Explanation	The total size (... Bytes) of a Natural object exceeds the limit of ... megabytes.
Action	Reduce the size of the Natural object.

NAT1028: Not permitted to invoke recursive database loop.

Text	Not permitted to invoke recursive database loop.
Explanation	An already active database loop may not be started a second time. Example: PERFORM SUB001 DEFINE SUBROUTINE SUB001 FIND view-name WITH field = "any-value" DISPLAY *ISN *COUNTER *NUMBER PERFORM SUB001 <-- recursive call END-FIND END-SUBROUTINE
Action	Correct error in program.

NAT1029: Interrupt after too many Natural program calls.

Text	Interrupt after too many Natural program calls.

Explanation	Every FETCH, CALLNAT, PERFORM statement is counted. This count is compared against the value supplied in the Natural parameter module or set via the dynamic parameter facility for MAXCL. If this value is less than or equal to the counted value, Natural destroys the name of the error transaction and issues this error.
Action	Check program and correct error, or set MAXCL to "0" or to a large enough value.

NAT1030: Internal error; invalid access to Natural system file.

Text	Internal error; invalid access to Natural system file.
Action	Contact your Natural administrator, and, if necessary, contact technical support.

NAT1031: Invalid access to a VSAM dataset.

Text	Invalid access to a VSAM dataset.
Explanation	Access to a VSAM dataset was requested, but the Natural system does not include support for VSAM.
Action	Contact your Natural administrator.

NAT1032: Invalid access to a DL/I database.

Text	Invalid access to a DL/I database.
Explanation	Access to a DL/I database was requested, but the Natural system does not include support for DL/I.

Action	Contact your Natural administrator.

NAT1049: Invalid contents of direction operand.

Text	Invalid contents of direction operand.
Explanation	The variable-direction operand (#op), used in a READ ... IN VARIABLE #op SEQUENCE ... or HISTOGRAM ... IN VARIABLE #op SEQUENCE ... statement contains an invalid character. Only the following values are permitted: "D" or "d" for DESCENDING "A" or "a" for ASCENDING.
Action	Fill the direction operand with a valid character.

22 Natural System Error Messages 1050-1099

NAT1070: Buffer pool initialization not linked.

Text	Buffer pool initialization is not linked.
Explanation	Driver entry CMBPGETS is missing. Natural environment is incomplete.
Action	Check your Natural environment.

NAT1071: Incompatible version for :1: buffer pool :2:.

Text	Incompatible version for ... buffer pool ....
Explanation	The version of the buffer pool already initialized is not supported by the current Natural version.
Action	Ensure that the buffer pool is allocated and initialized by a compatible Natural version.

NAT1072: Incompatible type for :1: buffer pool :2:.

Text	Incompatible type for ... buffer pool ....
Explanation	Natural has various buffer pools to share common virtual memory. For example: - type Natural for Natural programs, - type SORT for common external sort space, - type EDIT for common external editor buffers, - type MONITOR for common monitor data. Because the buffer pool types have different storage layouts, it is not possible to use the buffer pool types interchangeably.
Action	Check NTBPI macro settings in your Natural parameter module for local pools or the parameter settings in your startup JCL for global buffer pools.

NAT1073: Initialization of :1: buffer pool failed. (:2:).

Text	Initialization of ... buffer pool failed. (...).
Explanation	The indicated buffer pool could not be initialized for one of the following reasons: - GETMAIN for the local buffer pool storage failed - specified buffer pool size (BPSIZE parameter) is too small - missing LINK for the EDTSTUB (installation error)
Action	Please check installation and correct the problem.

NAT1074: Global :1: buffer pool :2: not found.

Text	Global :1: buffer pool :2: not found.
Explanation	The global buffer pool :2: of type :1: could not be found. Either the global buffer pool is not yet allocated or the used name of the global buffer pool is wrong. If the buffer pool could not be found because the Natural subsystem does not exist, the name of the Natural subsystem is appended to the name of the global buffer pool, separated by a slash (/).

Action	Check the name of the global buffer pool (Natural profile parameter BPNAME or NTBPI/BPI subparameter NAME) and/or the name of the Natural subsystem (Natural profile parameter SUBSID).

NAT1075: Global :1: buffer pool :2: allocated in system key.

Text	Global ... buffer pool ... allocated in system key.
Explanation	The indicated global buffer pool has been allocated in system key, but the authorized services manager (ASM) has not been started or is not of the required minimum version. To process a buffer pool that has been allocated in system key, the ASM is required.
Action	Start an authorized services manager of the required minimum version for the Natural subsystem in use.

NAT1076: Error :1: while loading preload list :2: :3:.

Text	Error :1: while loading preload list :2: :3:.
Explanation	Natural error :1: has occurred when Natural tried to load the buffer pool preload list :2: at the start of the Natural session. If the Natural error occurs when the preload list is being read, the information :3: is blank. If the Natural error occurs when an object named in the preload list is being loaded, :3: contains library and program name of the object. The typical Natural error will be NAT0082, which means that either the preload list or one the named objects could not be found.
Action	Check the object names in your preload list.

NAT1077: Buffer pool propagation failed.

Text	Buffer pool propagation failed.
Explanation	The propagation of changes to the currently used Natural buffer pool is requested by the current setting of the Natural profile parameter BPPROP, but the propagation failed. Possible reasons: - The Natural Authorized Services Manager is not started for the Natural subsystem ID used by the current Natural session. - The Natural Authorized Services Manager is started without an XCF group name and BPPROP=PLEX or BPPROP=GPLEX is requested by the current Natural session.
Action	Contact the Natural administrator and/or check the setting of the Natural profile parameter BPPROP.

NAT1078: Allocation of local buffer pool cache failed.

Text	Allocation of local buffer pool cache failed.
Explanation	A buffer pool cache has been requested for a local Natural buffer pool, but the cache could not be allocated. The local Natural buffer pool is operational, but runs without a cache. This error message is preceded by other error messages which indicate the reason.
Action	Check the preceding error messages.

NAT1079: Work area could not be obtained by Authorized Services Manager.

Text	Work area could not be obtained by Authorized Services Manager.

Explanation	The Authorized Services Manager (ASM) could not obtain the work area for the PC routine which is used to access a buffer pool in system key.
Action	Increase the amount of available space for the ASM address space. If the problem persists, contact technical support.

NAT1080: Cache creation failure :1: :2: :3: Reason= :4:.

Text	Cache creation failure :1: :2: :3: Reason= :4:.
Explanation	The cache create function has failed. The message shows the failing operating-system macro and the macro function (:1:). It also indicates the type of macro-request failure (:2:), that is, whether the macro failed due to macro failure (RC=) or ABEND (CC=). Parameter :3: is the ABEND code or macro-request return code respectively. Parameter :4: is the associated reason code.
Action	See the relevant operating-system manuals for the reason of the failure.

NAT1081: Cache deletion failure :1: :2: :3: Reason= :4:.

Text	Cache deletion failure :1: :2: :3: Reason= :4:.
Explanation	The cache delete function has failed. The message shows the failing operating-system macro and the macro function (:1:). It also indicates the type of macro request failure (:2:), that is, whether the macro failed due to macro failure (RC=) or ABEND (CC=). Parameter :3: is the ABEND code or macro-request return code respectively. Parameter :4: is the associated reason code.

Action	See the relevant operating-system macros for the reason of the failure.

23 Natural System Error Messages 1100-1149

NAT1100: Input value for a numeric field is not numeric.

Text	Input value for a numeric field is not numeric.
Explanation	The input value for a numeric field must contain a valid numeric value. The value may be preceded and/or followed by one or more blanks. Only one sign and decimal character are permitted. The value must not be longer than the field.
Action	Enter a valid numeric value.

NAT1101: The specified maximum page count has been exceeded.

Text	The specified maximum page count has been exceeded.
Explanation	The value for the maximum number of pages, as specified with the Natural session parameter MP, has been exceeded.
Action	Increase the value of the MP parameter, or reduce the number of pages produced. If you do not want to limit the number of pages, set MP=0 (zero).

NAT1102: Input hexadec. value does not contain hexadec. characters.

Text	Input hexadecimal value does not contain hexadecimal characters.
Explanation	For the specification of hexadecimal input, only the characters "0" to "9" and "A" to "F" may be used.
Action	Enter valid hexadecimal characters.

NAT1103: Field number in REINPUT statement must not exceed 255.

Text	Field number in REINPUT statement must not exceed 255.
Explanation	The field number to mark a field in the REINPUT statement may be specified as a numeric constant or the content of a numeric integer variable with a value of 255 or less.
Action	Check program and correct error.

NAT1104: Classical I/O not permitted while modal window is active.

Text	Classical I/O not permitted while modal window is active.
Explanation	When a modal window has been activated by a PROCESS PAGE MODAL statement, a classical I/O (WRITE, PRINT, DISPLAY, INPUT) is not permitted. In a modal window, only rich GUI processing initiated by a PROCESS PAGE statement is allowed.
Action	Check program and correct error.

NAT1105: Undefined keyword :1: in input.

Text	Undefined keyword ... in input.
Explanation	In keyword/delimiter input mode, individual fields can be selected via keywords, that is, the field name or the text that was specified preceding the field name in the INPUT statement. The specified value cannot be identified as a keyword from the INPUT statement.
Action	Either use %F or IM=F for forms mode in order to be prompted with keyword text, or use the correct keyword value.

NAT1106: Value (length :2:) too long for input field (length :1:).

Text	Value (length ...) too long for input field (length ...).
Explanation	The data string entered for a field in delimiter mode is longer than the internal length definition of the field.
Action	Enter a data string of correct length.

NAT1107: PROCESS PAGE (MODAL) statement not supported.

Text	PROCESS PAGE (MODAL) statement not supported.
Explanation	This error may be caused by one of the following: - The browser window has been closed by the application user, and after that, the application issued a PROCESS PAGE (MODAL) statement. - Natural is not running as a Rich GUI server.
Action	Check program for correct handling of browser window closure, or install and configure the appropriate components.

NAT1108: REINPUT statement not preceded by INPUT statement.

Text	REINPUT statement not preceded by INPUT statement.
Explanation	When a REINPUT statement is to be executed, the last communication with the screen must have been via an INPUT statement. REINPUT is not permitted for a screen that was produced by a WRITE or DISPLAY statement. Neither is REINPUT permitted for an INPUT statement inside a loop, subroutine or special condition block, when the loop, subroutine or special condition block has already been terminated. e.g.: REPEAT INPUT ... ESCAPE LOOP REINPUT will produce this error because at execution of the REINPUT statement the loop which contains the respective INPUT statement has already been closed.
Action	Check program and correct error.

NAT1109: REINPUT cannot be executed in batch mode.

Text	REINPUT cannot be executed in batch mode.
Explanation	A program containing a REINPUT statement cannot be executed in batch mode.
Action	Do not execute REINPUT in batch mode.

NAT1110: Restart after synchronizing OBJIN and SYNIN.

Text	Restart after synchronizing OBJIN and SYNIN.

Explanation	If an input error occurs, Natural must terminate the current program. The restart point is defined as the next "%%" (that is, the current terminal-control function value) in both OBJIN and SYNIN. After flushing input from both OBJIN and SYNIN until the next "%%", Natural resumes processing with the next command after "%%" in SYNIN and reads input data after the next "%%" in OBJIN. Note: The first "%" is the character indicating a terminal command. It may be any special character, as defined by the Natural administrator with the Natural session parameter CF or by the GLOBALS command or a SET GLOBALS statement.
Action	Check input data and correct error.

NAT1111: Error in input data stream.

Text	Error in input data stream.
Explanation	An invalid character was detected after the equal sign "=" in the input data stream.
Action	Check the usage of assign characters in the input data stream.

NAT1112: No data entered for a mandatory input field.

Text	No data entered for a mandatory input field.
Explanation	Input fields can be defined with the option that an input value is required, in which case it must be supplied with the INPUT statement.
Action	Enter a valid value.

NAT1113: Subroutine was not entered via PERFORM.

Text	Subroutine was not entered via PERFORM.
Explanation	The REINPUT statement refers to a previous INPUT statement that is located in a subroutine; or a RETRY statement refers to a database statement that is located in a subroutine.
Action	Check program and correct error.

NAT1114: Internal output buffer overflow, :1:.

Text	Internal output buffer overflow, ...
Explanation	An overflow condition occurred during the writing of information to an output area.
Action	Reduce the program-defined page size and then re-run the program, or start the Natural session with an increased page size (PS).

NAT1115: Invalid alphabetic value for SET GLOBALS statement.

Text	Invalid alphabetic value for SET GLOBALS statement.
Explanation	Permitted values are: CC ON/OFF DU ON/OFF EJ ON/OFF FS ON/OFF LE ON/OFF RECAT ON/OFF SA ON/OFF WH ON/OFF ZD ON/OFF ZP ON/OFF CF any character DC any character IA any character ID any character IM F/D PM C/I/N DFSTACK S/I/C DFOUT S/I Note: "T" and "F" are synonyms of "ON" and "OFF" respectively.

Action	Check program and correct error.

NAT1116: Invalid numeric value for SET GLOBALS statement.

Text	Invalid numeric value for SET GLOBALS statement.
Explanation	Valid values are: LS 0-250 LT 0-2147483647 but must not exceed default LT value supplied at session start. MT 0-maximum determined by operating environment. PD 0-255 PS 0-250 SF 1-30 SL 20-80
Action	Check program and correct error.

NAT1117: Requested map not available.

Text	Requested map not available.
Explanation	A map to be used in an INPUT USING MAP must exist in object form in the current library; however, the requested map was not found in the current library.
Action	Make sure you are using the correct library and the correct map name.

NAT1118: Format/length conflict in loaded map.

Text	Format/length conflict in loaded map.

Explanation	The fields specified in the INPUT USING MAP statement must agree in sequence, format and length with the fields defined in the map.
Action	Check program and map and correct error.

NAT1119: The loaded map is incompatible with the variable list.

Text	The loaded map is incompatible with the variable list.
Explanation	The fields in the INPUT USING MAP statement must agree in sequence and number with the fields defined in the map. However, the number of elements in the loaded map is not the same as in the supplied variable list.
Action	Check program and correct error.

NAT1120: Positional parameter must not override pre-entered value.

Text	Positional parameter must not override pre-entered value.
Explanation	To a positional parameter entered in delimiter mode no more than one value may be assigned. For example: %1=VALUE1,VALUE2 -> will produce this error. VALUE1,%1=VALUE2 -> is a correct specification, as Natural allows specified positions or keys to override values entered in positional mode.
Action	Check input and correct error.

NAT1121: Number in "%nnn" out of range.

Text	Number in "%nnn" out of range.
Explanation	The field position requested by "%nnn" is not defined in the INPUT statement. The highest possible number is determined by the number of input fields defined.
Action	Enter valid number for input field.

NAT1122: No "=" found after "%nnn".

Text	No "=" found after "%nnn".
Explanation	Natural treats "%nnn" as a keyword. A value must be specified after the assign character: %nnn=value.
Action	Use valid syntax construct for input value.

NAT1123: Number in "%nnn" not numeric.

Text	Number in "%nnn" not numeric.
Action	Enter integer field number for field selection.

NAT1124: End of file in input after continuation.

Text	End of file in input after continuation.

Explanation	A data concatenation was requested in the data stream for an INPUT statement, but no data were found in the next line.
Action	Enter data in continuation line.

NAT1125: Too many significant digits in numeric input value.

Text	Too many significant digits in numeric input value.
Explanation	The integer part of a numeric input value contains more significant digits than defined in the variable definition.
Action	Enter valid input data.

NAT1126: PROCESS PAGE UPDATE not preceded by PROCESS PAGE statement.

Text	PROCESS PAGE UPDATE not preceded by PROCESS PAGE statement.
Explanation	When a PROCESS PAGE UPDATE statement is to be executed, the last communication with an external rendering engine must have been via a PROCESS PAGE statement. No INPUT, WRITE, PRINT or DISPLAY statements may be executed between a PROCESS PAGE statement and its corresponding PROCESS PAGE UPDATE statement. It is not possible, however, to place a PROCESS PAGE statement within a loop, subroutine or special condition block, and then execute the PROCESS PAGE UPDATE statement when the status under which the PROCESS PAGE statement was executed has already been terminated.
Action	Check program and correct error.

NAT1127: Error during assignment of floating point variable(s).

Text	Error during assignment of floating point variable(s).
Explanation	The most likely cause of this error is that one of the variables overflowed. Single-precision floating-point variables (format/length F4) can only represent values of a precision of approximately 7 digits. Double-precision floating-point variables (format/length F8) can be used to represent values of a precision of approximately 19 digits.
Action	Check program and correct error.

NAT1128: Values for "DC", "IA", "ID" must exclude one another.

Text	Values for "DC", "IA", "ID" must exclude one another.
Explanation	A value for one of the parameters DC, IA or ID has been specified with a SET GLOBALS statement which is the same as the value for one of the other two parameters.
Action	Specify values for DC, IA, and ID which are different from one another.

NAT1129: Physical terminal buffer overflow.

Text	Physical terminal buffer overflow.
Explanation	The physical terminal buffer has overflowed during execution of an INPUT statement. As the execution of an INPUT statement implies immediate writing of the resulting map to the terminal, an overflow condition is regarded as an error.

Action	Decrease the number of fields to be displayed; or ask your Natural administrator to increase, if possible, the size of the physical terminal buffer (in the TP-driver source).

NAT1130: Unintended century switch when stacking date string.

Text	Unintended century switch when stacking date string.
Explanation	DFSTACK=C has been specified, i.e. date strings are put on the stack without the century information (Natural V22 mode). When recovering this information (under control of a Sliding Window or the current century), an unintended century switch would occur: the year is not within the range of the sliding window or not in the current century.
Action	Correct error in program or specify DFSTACK=I.

NAT1131: Screen input/output error.

Text	Screen input/output error.
Explanation	The terminal driver has returned an error during a read/write operation to a terminal device.
Action	Ensure that the terminal device being used is supported by Natural.

NAT1132: Line size mismatch in IOPATTR buffer at offset :1:.

Text	Line size mismatch in IOPATTR buffer at offset ....
Explanation	A mismatch between page buffer and page-attribute buffer has been detected. This error most probably occurs because not all lines of the page buffer have been generated with the same line size.

Action	Check your programs for FORMAT statements with different line sizes.

NAT1133: Invalid terminal function requested.

Text	Invalid terminal function requested.
Action	Enter valid terminal function.

NAT1134: Terminal function not supported.

Text	Terminal function not supported.
Action	Press ENTER to continue the session.

NAT1135: Hardcopy function not supported.

Text	Hardcopy function not supported.
Explanation	The hardcopy (%H) function requires a spooling subsystem and a valid device address. These are not available for the active terminal/TP monitor.
Action	Contact your Natural administrator concerning hardcopy support.

NAT1136: More than 250 lines in an output page.

Text	More than 250 lines in an output page.

Explanation	An output statement was executed which results in more than 250 lines in the current output page. The maximum value for the PS parameter is 250.
Action	Check program and correct error.

NAT1137: Date is outside valid range.

Text	Date is outside valid range.
Explanation	A date or time field contains a value which does not represent a valid date. Possible reasons are: - The date value is less than 1582 or greater than 9999. - The date value is to be edited as Roman numerals, but the date value is greater than 2887. - The value is negative or not a valid packed number.
Action	Check program and correct error.

NAT1138: SKIP value is invalid.

Text	SKIP value is invalid.
Explanation	A value greater than 250 must not be specified in a SKIP statement.
Action	Enter a valid value.

NAT1139: Input for "mandatory full" field is not complete.

Text	Input for "mandatory full" field is not complete.

Explanation	The value for a field that is defined as "mandatory full" must fill the field completely.
Action	Enter a valid value.

NAT1140: Input is not a floating point number.

Text	Input is not a floating point number.
Explanation	The input entered was not a valid floating point number. A valid floating point number starts with an optional sign (+,-), followed by a mantissa with at most one decimal point and an optional exponent. The exponent has to start with the character "E", followed by an optional sign (+,-), followed by one or two decimal digits.
Action	Enter a valid number.

NAT1141: Input results in floating point overflow.

Text	Input results in floating point overflow.
Explanation	A positive or negative floating point number was entered, which is too large for floating point processing.
Action	Enter a valid number.

NAT1142: Input results in integer value overflow.

Text	Input results in integer value overflow.

Explanation	An integer value was entered which is too large to be processed as indicated in the program.
Action	Enter a valid integer value.

NAT1143: Input does not correspond to input edit mask.

Text	Input does not correspond to input edit mask.
Explanation	Data were input which do not correspond to the input mask as defined within the program.
Action	Correct error.

NAT1144: Data to be assigned/output do not correspond to edit mask.

Text	Data to be assigned/output do not correspond to edit mask.
Explanation	One of the following errors occurred: - A MOVE EDITED statement was issued with a target edit mask, and the source data do not correspond to the target edit mask. - A DISPLAY/INPUT/PRINT/WRITE statement was issued with an edit mask, and the source data do not correspond to the specified edit mask.
Action	Check program and correct error.

NAT1145: Input does not match edit mask :1:.

Text	Input does not match edit mask ....

Explanation	The data value entered for an input field does not correspond to the edit mask assigned to the field.
Action	Enter a value which is suitable for the edit mask displayed.

NAT1147: Illegal use of DISPLAY GIVING SYSTEM FUNCTIONS.

Text	Illegal use of DISPLAY GIVING SYSTEM FUNCTIONS.
Explanation	Only one DISPLAY GIVING SYSTEM FUNCTIONS may be used per report. This applies also to external routines such as CALLNATS, external subroutines, etc.
Action	Check program and called routines and remove duplicate DISPLAY GIVING SYSTEM FUNCTIONS.

NAT1148: No help available for this data field.

Text	No help available for this data field.
Explanation	The help key was pressed or the help character was entered for a field for which no error text or error routine has been defined.
Action	Ask your Natural administrator for assistance.

NAT1149: Requested message is not available.

Text	Requested message is not available.

Explanation	A user-defined message, which was requested by a REINPUT statement, is not contained in the database.
Action	Contact your Natural administrator.

24 Natural System Error Messages 1150-1199

NAT1150: Attribute buffer overflow.

Text	Attribute buffer overflow.
Explanation	An overflow of the attribute buffer is caused by too many attributes for one logical page.
Action	Reduce the number of fields on one page.

NAT1151: Invalid access to Natural system function.

Text	Invalid access to Natural system function.
Explanation	An invalid access to a Natural system function was attempted. For example, an attempt was made to assign a value to a read-only function.
Action	Check program and correct error.

NAT1152: Invalid function in screen paging.

Text	Invalid function in screen paging.
Explanation	An invalid function code was entered during screen-page processing.
Action	Enter a valid function code.

NAT1153: Requested screen pages are not available.

Text	Requested screen pages are not available.
Explanation	Screen pages were requested during screen paging, but these pages are not available.
Action	Correct error.

NAT1154: Help function not possible during help processing.

Text	Help function not possible during help processing.
Explanation	A help key was pressed or the help character was entered while the help system was already active.

NAT1155: Reporting mode not permitted.

Text	Reporting mode not permitted.
Explanation	Switching to reporting mode is not permitted if Natural was started with structured mode (parameter SM=ON). Switching to reporting mode can be done via the GLOBALS command.

Action	Make sure you are using the correct programming mode.

NAT1156: Statement not possible within TOP OF PAGE or END OF PAGE.

Text	Statement not possible within TOP OF PAGE or END OF PAGE.
Explanation	The specified statement must not be specified within an AT TOP OF PAGE or AT END OF PAGE statement block.
Action	Correct error in program.

NAT1157: Invalid format of operand.

Text	Invalid format of operand.
Explanation	During runtime, the format of an operand is not contained in the list of valid formats.
Action	Contact SAG support.

NAT1160: Error in "Recording" activation.

Text	Error in "Recording" activation.
Explanation	This error is caused by one of the following: - The requested recording has not been found. - You have specified no recording name. - For a new recording, you have specified the name of an already existing recording.

Action	Make sure you use the right recording name in the right library.

NAT1161: DBCS: Invalid SO/SI pair in line :1: column :2:.

Text	DBCS: Invalid SO/SI pair in line ... column ....
Explanation	Natural checks the correct pairing of SO/SI for DBCS (double-byte character set) terminals.
Action	Check program logic and generate correct SO/SI pairs.

NAT1162: Invalid character or shift character in DBCS-only field.

Text	Invalid character or shift character in DBCS-only field.
Explanation	A DBCS-only field is an alphanumeric field for which the session parameter PM=D is set. It must contain only valid DBCS characters; shift-out/shift-in characters (SO/SI) are not allowed within such a field. If either - a shift-out/shift-in character (SO/SI) or - a character code that is not a valid DBCS character is detected, this error is issued. Shift-out/shift-in characters (SO/SI) are always detected. Because the detection of non-DBCS characters requires ICU, it will not be performed if ICU is not available (that is, if the profile parameter CFICU=OFF has been set).
Action	Correct the content of the DBCS-only field.

NAT1165: The WINDOW statements are no longer consistent.

Text	The WINDOW statements are no longer consistent.
Explanation	Natural tried to execute the internal reference to the DEFINE WINDOW statement during the execution of an INPUT WINDOW=window-name or SET WINDOW window-name. The reference is not the correct statement anymore. Probably the generated program has been destroyed.
Action	Clear the buffer pool and restart Natural. Recatalog the program.

NAT1166: Invalid window width specified in SIZE clause.

Text	Invalid window width specified in SIZE clause.
Explanation	The value for the number of columns in the SIZE clause of the DEFINE WINDOW statement is outside the valid range. The minimum number of columns if the FRAME clause is used is 13. The minimum number of columns if the FRAME clause is not used is 10. The maximum number of columns is the physical screen size.
Action	Correct program.

NAT1167: Invalid window length specified in SIZE clause.

Text	Invalid window length specified in SIZE clause.
Explanation	The value for the number of lines in the SIZE clause of the DEFINE WINDOW statement is outside the valid range. The minimum number of lines if the FRAME clause is used is 4. The minimum number of lines if the FRAME clause is not used is 2. The maximum number of lines is the physical screen size.

Action	Correct program.

NAT1168: Invalid window start line (:1:).

Text	Invalid window start line (...).
Explanation	The current size of the window inhibits the position of the window at the specified line in the screen.
Action	Reduce the size of the window, or use a smaller line value.

NAT1169: Invalid window start column (:1:).

Text	Invalid window start column (...).
Explanation	The current window size is too large to start the window at the specified column on the screen.
Action	Reduce the window size, or use a smaller column value.

NAT1170: PC access method not available.

Text	PC access method not available.
Explanation	Natural checks to see if the terminal command "%+" is valid in the current environment. The PC access method is not linked to the Natural nucleus.
Action	Do not use "%+", or contact your Natural administrator.

NAT1171: The required terminal converter module is missing.

Text	The required terminal converter module is missing.
Explanation	This error occurs if the terminal command "%T=nnnn" has been entered, but the specified terminal type is not defined by the macro NTDVCE in source module NATCONFG, or the required converter module has not been linked to the Natural nucleus.
Action	Specify a correct terminal type; or link the required converter module to the Natural nucleus.

NAT1172: PC connection already active.

Text	PC connection already active.
Explanation	The terminal command "%+" has been entered, but PC connection was already active.
Action	No action required.

NAT1173: PC connection not active.

Text	PC connection not active.
Explanation	The terminal command "%-" has been entered, but the PC connection was not active or had already been de-activated.
Action	No action required.

NAT1174: Not in lower case for upload.

Text	Not in lower case for upload.
Explanation	For uploads, Natural has to be in lower case to be able to compute the right check sum and to upload binary data.
Action	Set lower case on and try again.

NAT1175: Upload aborted due to check sum errors.

Text	Upload aborted due to check sum errors.
Explanation	The sent check sum is different from the one computed by Natural.
Action	Try upload again later.

NAT1176: Terminal type :1: cannot be used in this environment.

Text	Terminal type ... cannot be used in this environment.
Explanation	The terminal type specified by the TTYPE profile parameter or by the terminal command %T= cannot be used in this environment. For example, an online terminal type cannot be used in a batch environment. The terminal type specified by the terminal command %T= or in a SET CONTROL "T=" statement does not support MBCS code pages.
Action	Specify a correct terminal type for this environment.

NAT1177: Unsupported format type found.

Text	Unsupported format type found.
Explanation	Supported format types for the old PC access method are alphanumeric and numeric. Supported format types for the new PC access method are: - alphanumeric - numeric - packed - logical - floating point - integer - binary.
Action	Correct your program and retry.

NAT1178: Uploaded data are not a DDM or Natural 2 source/object.

Text	Uploaded data are not a DDM or Natural 2 source/object.
Explanation	The data used when uploading a DDM or a source binary or an object are not of the appropriate type. The used file on the PC does not hold a binary downloaded DDM or source or object.
Action	Use an appropriate file and retry.

NAT1179: Used work file number not assigned to PC or PCNEW.

Text	Used work file number not assigned to PC or PCNEW.
Explanation	The work file number used in the subprogram for the current up-/download is either not assigned to PCNEW if up/downloading binary or not assigned to PC or PCNEW if up-/downloading as source. Use SYSFILE to check which work files are assigned to PC and PCNEW.

Action	Use correct work file number and retry.

NAT1180: Invalid type entered for "Upload from PC".

Text	Invalid type entered for "Upload from PC".
Explanation	Valid types for "Upload from PC" are: P, N, S, H, C, K, T, M, 4.
Action	Use appropriate type.

NAT1181: Source or object for download does not exist.

Text	Source or object for download does not exist.
Explanation	An attempt was made to download a non-existing source or object.
Action	Check the name and the library of the source or object you want to download and retry.

NAT1182: Source to download is of invalid type.

Text	Source to download is of invalid type.
Explanation	An attempt was made to download a data area as source. Sources of data areas can only be downloaded binary.
Action	Download source of data area binary.

NAT1183: Specified work file cannot be used for COMMAND download.

Text	Specified work file cannot be used for COMMAND download.
Explanation	The specified work file cannot be used for a WRITE/DOWNLOAD PC/WORK 5 COMMAND statement, for one of the following reasons: - The work file is not defined for the new PC access method. - The work file is already being used.
Action	Define the work file correctly, or use a different work file.

NAT1184: Downloaded command rejected by PC.

Text	Downloaded command rejected by PC.
Explanation	The command that was downloaded has been rejected by the PC, because the command is not valid. See the Natural Connection documentation for information on which commands can be downloaded.
Action	Correct program and retry download.

NAT1185: Catalog the object before you download/upload it.

Text	Catalog the object before you download/upload it.
Explanation	The object contains an error or inconsistency which prevents its being downloaded/uploaded.
Action	Catalog the object to be downloaded/uploaded; then try again to download/upload it.

NAT1186: Buffer overflow due to too many or too long field names.

Text	Buffer overflow due to too many or too long field names.
Explanation	While downloading/uploading data with field names, a buffer overflow has occurred. The reason that the field names do not fit into the corresponding buffer, either because too many fields are sent or because the field names are too long.
Action	Upload/download the data without field names (see PC profile parameter), or reduce the number of fields to be uploaded/downloaded.

NAT1187: GETMAIN for PC Connection work area failed.

Text	GETMAIN for PC Connection work area failed.
Explanation	During upload or download processing the transferred data are stored intermediately in the PC Connection work area. An increase of this buffer failed.
Action	Contact your database administrator.

NAT1188: Maximum record length (32 KB) for PC file access exceeded.

Text	Maximum record length (32 KB) for PC file access exceeded.
Explanation	The maximum allowed record length for an access to a PC file is 32 KB.
Action	Reduce the number or size of the operands in the appropriate READ/WRITE WORK FILE statement.

NAT1189: Increase of work area for work file :1: failed.

Text	Increase of work area for work file ... failed.
Explanation	Natural needs to increase the size of the work-file area to process an access to the appropriate work file. The GETMAIN request for this buffer increase failed.
Action	Increase the Natural thread size, or decrease the record length of the work-file access.

NAT1190: Type "unformatted" is not supported for PC work files.

Text	Type "unformatted" is not supported for PC work files.
Explanation	Unformatted file transfer between PC and z/OS is currently not supported.
Action	Use a different type of file transfer.

NAT1191: Option ADJUST is not supported for PC work files.

Text	Option ADJUST is not supported for PC work files.
Explanation	The option ADJUST is currently not supported with the READ WORK FILE statement for PC work files.
Action	Use a different type of file transfer.

25 Natural System Error Messages 1200-1249

NAT1200: Unexpected error during execution of SORT statement.

Text	Unexpected error during execution of SORT statement.
Explanation	This is an internal error.
Action	Contact technical support.

NAT1201: External sort control fields total exceeds 256 bytes.

Text	External sort control fields total exceeds 256 bytes.
Explanation	The external sort used via the SORT statement supports a maximum of 256 bytes for the sort fields.
Action	Reduce the number or length of sort fields specified in the SORT statement.

NAT1202: Error in external sort; core/disk space insufficient.

Text	Error in external sort; core/disk space insufficient.
Explanation	For the external sort function, either a system sort program is invoked (in batch mode) or an incore sort is invoked (in online mode). In batch mode, the reason for the error message is either insufficient disk space or a missing DD card. In online mode, the reason for the message is insufficient memory in the file buffer which is used for intermediate storage in the sort process.
Action	Contact your Natural administrator.

NAT1203: External sort cannot be used in this environment.

Text	External sort cannot be used in this environment.
Explanation	The SORT/NTSORT option EXT=ON has been specified, but the requested external sort cannot be used for the execution of the Natural SORT statement in the current environment. An external sort can only be used if Natural is running in a batch-oriented environment (batch mode, TSO, VM/CMS, TIAM). If Natural is running in a TP environment (Com-plete, CICS, IMS TM, UTM) or as an NDV server, the Natural internal sort has to be used.
Action	Use the SORT/NTSORT option EXT=OFF.

NAT1204: External sort module not found.

Text	External sort module not found.

Explanation	The system sort program to be used for the external sort function could not be found in any of the libraries defined for the Natural run.
Action	Check if the NTSORT parameter EXTNAME contains a valid name for the sort program and that the load libraries defined for the Natural run contain that module.

NAT1205: No more sort work space.

Text	No more sort work space.
Explanation	There is no more space in the core; or the work files cannot be accessed, are full, or cannot be supported; or the record size is greater than the maximum buffer size.
Action	Decrease the number of records to be sorted, or the number of fields per sort record; or enlarge the incore sort work area with parameter SORT=(WRKSIZE=xxx) or sort work files (if present).

NAT1206: No more internal work space for buffer pool sort.

Text	No more internal work space for buffer pool sort.
Explanation	The internal work space required for a buffer pool sort is full.
Action	Increase the NTSORT parameter WRKSIZE.

NAT1207: Sort buffer pool is full.

Text	Sort buffer pool is full.

Explanation	The sort buffer pool used as a temporary storage for intermediate results during the sort function is full. The problem may also be caused by too many parallel sort runs.
Action	Increase the size of the sort buffer pool or decrease the number of parallel sorts.

NAT1208: The buffer pool sort module could not be found.

Text	The buffer pool sort module could not be found.
Explanation	The buffer pool sort module is not linked to NAT2SORT. This is an internal error.
Action	Contact technical support.

NAT1209: Internal error during buffer pool sort.

Text	Internal error during buffer pool sort.
Explanation	Internal control blocks are destroyed.
Action	Contact technical support.

NAT1210: Sort buffer pool lost during open processing.

Text	Sort buffer pool lost during open processing.
Explanation	The sort buffer pool is lost during execution of the sort function. Possible reasons: - The sort buffer pool was shut down while sort was active. - The Natural session was switched to another address space and no global sort buffer pool was used. - The Natural session was switched to another operating system image (SYSPLEX only). This is not supported.

Action	Ensure that the same sort buffer pool is available to the Natural session while a sort function is active.

NAT1211: Sort buffer pool lost during read/write processing.

Text	Sort buffer pool lost during read/write processing.
Explanation	The sort buffer pool is lost during execution of the sort function. Possible reasons: - The sort buffer pool was shut down while sort was active. - The Natural session was switched to another address space and no global sort buffer pool was used. - The Natural session was switched to another operating system image (SYSPLEX only). This is not supported.
Action	Ensure that the same sort buffer pool is available to the Natural session while a sort function is active.

NAT1212: Internal error - no more space in quicksort work area.

Text	Internal error - no more space in quicksort work area.
Action	Contact your Natural administrator.

NAT1213: Sort buffer pool lost during purge processing.

Text	Sort buffer pool lost during purge processing.
Explanation	The sort buffer pool is lost during execution of the sort function. Possible reasons: - The sort buffer pool was shut down while sort was active. - The Natural session was switched to another address space and no global sort buffer was used. - The Natural session was switched to another operating system image (SYSPLEX only). This is not supported.

Action	Ensure that the same sort buffer pool is available to the Natural session while a sort function is active.

NAT1214: SORT/NTSORT option STORAGE=SD only allowed under Com-plete.

Text	SORT/NTSORT option STORAGE=SD only allowed under Com-plete.
Explanation	The SORT/NTSORT option STORAGE=SD can only be used for the Natural internal sort if the Natural session is running under Com-plete.
Action	Use STORAGE=MAIN or STORAGE=BP.

NAT1220: Multiple active SORTs are not allowed.

Text	Multiple active SORTs are not allowed.
Explanation	No more than one SORT loop may be active at a time. This error occurs if within an active processing loop initiated with a SORT statement another program, subprogram or subroutine is invoked, and within this invoked object another SORT statement is executed.
Action	Correct error in application.

NAT1222: Memory required for statement execution not available.

Text	Memory required for statement execution not available.
Explanation	The memory required to execute the statement is not available. Possible reasons are: - The amount of memory allocated to a dynamic variable or an X-array had to be increased, but this caused the total memory available to the Natural session to be exceeded. - The amount of work memory required to execute the statement caused the total memory available to the Natural session to be exceeded. - Natural environment constraints (e.g. the settings of profile parameters) limit the total amount of memory available to the Natural session.

	- Operating or TP system restrictions (e.g. the total memory available) limit the amount of memory that is available to the Natural session.
Action	Use the system command LASTMSG * to find out what exactly caused the memory request to fail. Check program and correct error, or contact your Natural administrator.

NAT1223: A numeric field contains a non-numeric digit.

Text	A numeric field contains a non-numeric digit.
Explanation	At least one of the digits in a numeric field is not a numeric digit and cannot be processed in a numeric context.
Action	Check if the numeric field in question is redefined as alphanumeric or binary. If so, make sure it contains only numeric digits. Otherwise, input data (from the database) could be erroneous.

26 Natural System Error Messages 1250-1299

NAT1254: Invalid size value for REDUCE/EXPAND/RESIZE: :1:.

Text	Invalid size value for REDUCE/EXPAND/RESIZE: ....
Explanation	A size value is specified with the REDUCE/EXPAND/RESIZE statement, in order to reallocate the memory for the given dynamic operand. The following conditions must be kept for the size value: 1. The size value must not be negative. 2. The size value must not exceed 1 gigabyte. The size value which caused the error is shown in the error message.
Action	Make sure the size value meets the conditions mentioned above.

NAT1255: Invalid value in ARRAY clause for REDUCE/EXPAND/RESIZE: :1:.

Text	Invalid value in ARRAY clause for REDUCE/EXPAND/RESIZE: ....
Explanation	The ARRAY clause of the REDUCE/EXPAND/RESIZE statement is provided in order to allow the number of occurrences of an X-array to be adjusted. The lower and upper bound values specified with the bound notation, or the number of occurrences specified with the occurrence notation, must meet the following conditions: 1. The fixed bound value must not be changed. 2. The number of occurrences must not be negative. 3. The number of occurrences must not exceed 1073741824. The value which caused the error is shown in the error message.

Action	Make sure the value meet the conditions above.

NAT1256: Value of system variable :1: is undefined.

Text	Value of system variable ... is undefined.
Explanation	A Natural statement references a system variable in order to get its value. The value of the system variable is currently undefined, due to the following reason: 1. The value of the system variable *UBOUND or *LBOUND is undefined if the corresponding X-array is not materialized (i.e. occurrences are not allocated). The system variable which caused the error is shown in the error message.
Action	Allocate occurrences of the corresponding X-array with the REDUCE/EXPAND/RESIZE statement before referencing *UBOUND or *LBOUND.

NAT1257: Access to a non-materialized X-array field not permitted.

Text	Access to a non-materialized X-array field not permitted.
Explanation	An X-array is an array field with an alterable number of occurrences. At runtime, an X-array is empty by default. It does not have any accessible occurrences, unless they were allocated before with an explicit EXPAND .. ARRAY statement.
Action	Allocate X-array occurrences with EXPAND .. ARRAY statement.

27 Natural System Error Messages 1300-1349

NAT1300: Negative exponent not allowed.

Text	Negative exponent not allowed.
Explanation	Natural performs an exponentiation via repetitive multiplication. Negative exponents are not permitted.
Action	Use only positive exponent values.

NAT1301: Intermediate result too large.

Text	Intermediate result too large.
Explanation	The construct of the arithmetic expression generates an intermediate result with too many digits.
Action	Separate the arithmetic expression into several statements with defined lengths for intermediate results.

NAT1302: Division by zero not permitted by parameter ZD=ON.

Text	Division by zero not permitted by parameter ZD=ON.
Explanation	The ZD session parameter is set to "ON". This causes an error when a division by zero is attempted. If a result of zero is desired when attempting a division by zero, change the setting of the ZD session parameter to "OFF".
Action	Set "ZD=OFF" if desired.

NAT1303: Numeric truncation caused by adding/subtracting 1.

Text	Numeric truncation caused by adding/subtracting 1.
Explanation	In the evaluation of a relational expression, the operators GREATER and LESS THAN are evaluated by adding/subtracting "1" from the value.
Action	Increase length of field used in relational expression.

NAT1304: Value has been rounded and does not fit into field.

Text	Value has been rounded and does not fit into field.
Explanation	Rounding has caused the value to exceed the number of digits defined for the field.
Action	Increase length of field being rounded.

NAT1305: Numeric value truncated in MOVE/ASSIGN operation.

Text	Numeric value truncated in MOVE/ASSIGN operation.
Explanation	The receiving field in a MOVE/ASSIGN operation is not long enough to hold the result of the value.
Action	Increase the length of the receiving field.

NAT1306: Error in STEP value in FOR statement.

Text	Error in STEP value in FOR statement.
Explanation	The end value cannot be reached by incrementing the start value because STEP value = 0 was detected.
Action	Check program and correct error.

NAT1307: Resulting element address in MOVE INDEXED out of range.

Text	Resulting element address in MOVE INDEXED out of range.
Explanation	The target address of the MOVE INDEXED operation lies outside the Natural data area.
Action	Check index value or length of base field in MOVE INDEXED.

NAT1308: Replace string does not fit into variable.

Text	Replace string does not fit into variable.
Explanation	In an EXAMINE statement, one of the strings to be examined and replaced resulted in a total string length that is larger than the variable length. A truncation of a value is not allowed in an EXAMINE statement.
Action	Adjust length of field in EXAMINE statement.

NAT1309: Overflow in NUMBER variable of EXAMINE statement.

Text	Overflow in NUMBER variable of EXAMINE statement.
Explanation	The number of strings found in the source variable is too large to be represented in the NUMBER variable of the EXAMINE statement.
Action	Adjust the length of the NUMBER variable.

NAT1310: RETRY statement not allowed for this error number.

Text	RETRY statement not allowed for this error number.
Explanation	1. A RETRY is only possible for database response code "145". This response code indicates that a record which is to be read for update is currently in "hold" status for another user. NAT3145 can only occur when the global option WH=OFF (wait hold) is in effect. 2. NAT1310 can also occur under one of the following conditions if the response code is in fact "145": - The object module which was active when "145" was received does not contain an ON ERROR statement. - The RETRY statement executed in reaction to "145" is not contained in the same object module as was active when the response code was received. Response code "145" can only be handled by the object module which is active when the response code is received. When control is returned from that module, Natural automatically converts NAT3145 to NAT1310.

Action	Check program and correct error.

NAT1311: Index in MOVE INDEXED statement is zero or negative.

Text	Index in MOVE INDEXED statement is zero or negative.
Explanation	The index in a MOVE INDEXED statement must be positive.
Action	Correct program.

NAT1312: Number of elements too large for number field.

Text	Number of elements too large for number field.
Explanation	The NUMBER clause was used in the SEPARATE statement, but the number of elements to be returned does not fit into the field specified.
Action	Increase the length of the field which is to contain the resulting number of elements.

NAT1313: Not enough receiving fields available in SEPARATE.

Text	Not enough receiving fields available in SEPARATE.
Explanation	The source field contained so many delimiter characters that there were not enough target fields available in the SEPARATE statement to receive all values.
Action	Check program and correct error.

NAT1314: Target field too small for field portion or incorrect delimiters.

Text	Target field too small for field portion or incorrect delimiters.
Explanation	In a SEPARATE statement, a portion of a field to be transferred is larger than the target field specified. Possible reasons: - A text segment between two delimiters which exceeds the length of the defined target field; or - an incorrect definition of delimiters which do not exist inside the source operand.
Action	Increase the length of the target field or use correct delimiters.

NAT1315: Source field and target field in SEPARATE overlap.

Text	Source field and target field in SEPARATE overlap.
Action	Avoid overlapping of source and target fields.

NAT1316: Index not within array structure.

Text	Index not within array structure.
Explanation	The index specified for an array is not within the dimensions defined for the array.
Action	Check program and correct error.

NAT1317: Array range operation on invalid ranges.

Text	Array range operation on invalid ranges.
Explanation	An arithmetic operation may operate on array ranges with identical range structures, or on array ranges with single values (scalar values). Two or three ranges were defined for an arithmetic operation, which do not have identical range structures.
Action	Check program and correct error.

NAT1318: Overlap during ASSIGN.

Text	Overlap during ASSIGN.
Explanation	During assignment of alphanumeric or binary operands, an invalid overlap was detected. This condition occurs when an attempt is made to move a byte which has already been moved during the execution of the statement.
Action	Check program and correct error.

NAT1319: Invalid date operation.

Text	Invalid date operation.
Explanation	The result of an operation (date integer) is a negative date.
Action	Check program and correct error.

NAT1320: Invalid operand for system function VAL.

Text	Invalid operand for system function VAL.
Explanation	The operand of the VAL system function does not contain a valid alphanumeric representation of the resulting value. The VAL system function is similar to the INPUT statement: what is accepted by the INPUT statement is also accepted by the VAL system function.
Action	Check program and correct error.

NAT1321: Invalid UNTIL parameter in MOVE ALL statement.

Text	Invalid UNTIL parameter in MOVE ALL statement.
Explanation	This error may be caused by one of the following: - The UNTIL parameter contains a negative value. - The UNTIL parameter contains a value with more than 7 valid decimal digits or more than 31 valid binary digits.
Action	Correct error.

NAT1322: Parameter :1: missing (invoked at line :2: by :3:/:4:/:5:/:6:).

Text	Parameter ... missing (invoked at line ... by .../.../.../...).
Explanation	Natural tried to execute a statement which contained a reference to parameter ... which was not supplied by the object .../.../.../... This occurs if the invoking statement at line ... has not supplied a parameter which was defined as optional by the invoked object (DEFINE DATA PARAMETER).

Action	Specify the missing parameter in the invoking statement.

NAT1323: ACCEPT, REJECT, REINPUT not allowed in end-data condition.

Text	ACCEPT, REJECT, REINPUT not allowed in end-data condition.
Explanation	The statements ACCEPT and REJECT are not allowed in an end-of-data condition (loop is already closed). The same restriction applies for a REINPUT statement if the corresponding INPUT statement is contained within a loop which has been closed.
Action	Check program and correct error.

NAT1324: Loop must be active if this statement is used.

Text	Loop must be active if this statement is used.
Explanation	An ESCAPE TOP, ESCAPE BOTTOM, ACCEPT, REJECT or PERFORM BREAK PROCESSING statement cannot be executed, because - no loop is active for an ESCAPE TOP, ESCAPE BOTTOM or PERFORM BREAK PROCESSING statement; - no FIND, READ, HISTOGRAM, CALL FILE, SORT or READ WORK FILE loop is active for an ACCEPT or REJECT statement.
Action	Check program and correct error.

NAT1325: Too many asterisks "*" found in pattern.

Text	Too many asterisks "*" found in pattern.

Explanation	A maximum of 10 asterisks "*" may be supplied in a pattern. If more "*" are found in the pattern, a table overflow occurs and therefore the execution is stopped. However, "**" is recognized as "*".
Action	Decrease the number of asterisks "*" in the pattern.

NAT1326: Range specified is outside field.

Text	Range specified is outside field.
Explanation	Error in the SUBSTRING option of a statement: - the starting position is not within the field; or - the value of the starting position is zero or negative; or - the specified length exceeds the length of the field; or - the length value is zero or negative. Error in the POSITION clause of an EXAMINE statement: - The FROM position is not within the field; or - the ENDING AT/THRU position is not within the field. Error in the CHARPOSITION clause of an EXAMINE statement: - the CHARPOSITION is not within the field.
Action	Check program and correct error.

NAT1327: Data in numeric field is not numeric.

Text	Data in numeric field is not numeric.
Explanation	The content of a numeric variable (type N, F or P) is not numeric. For example, a field of the definition N4 contains the hexadecimal value H"404040F1" A possible reason is that the numeric field is a redefinition of an alphanumeric field.

Action	Correct error in program.

NAT1328: No default code page available.

Text	No default code page available.
Explanation	The execution of the current statement requires that a default code page is defined.
Action	Define a default code page, using the CP parameter.

28 Natural System Error Messages 1350-1399

NAT1392: PCHECK/ECHECK validation has found :1: inconsistencies.

Text	PCHECK/ECHECK validation has found ... inconsistencies.
Explanation	During the PCHECK/ECHECK validation, more than one inconsistency was found. This message is displayed to indicate that several parts of the Natural object need to be inspected. The original messages related to the actual errors can be displayed with the system command LASTMSG. For example, program MAIN contains: PERFORM SUBR1 at line 100 with an inconsistent parameter list. CALLNAT "CLN1" at line 200 with an inconsistent parameter list. The initial error messages would be: MAIN 0100 NAT0936 Format/length conflict in parameter 1 (Subroutine... MAIN 0200 NAT0936 Format/length conflict in parameter 1 (Subprogram... In addition, the following message would be displayed: MAIN 0200 NAT1392 PCHECK=ON validation has found 2 inconsistencies.
Action	Check program and correct error.

NAT1393: Object :1: (:2:/:3:/:4:) cataloged with unsupported version.

Text	Object ... (.../.../...) cataloged with unsupported version.

Explanation	An attempt was made to execute a Natural programming object or load a GDA, LDA, PDA or map at compilation which is not supported by the current version of Natural. For a list of supported Natural versions, see the Natural documentation.
Action	Re-compile the object under the current version of Natural.

NAT1394: Object :1: (:2:/:3:/:4:) ARCH level :5: too high for machine :6:

Text	Object ... (.../.../...) ARCH level ... too high for machine ...
Explanation	An attempt was made to execute a Natural programming object which was compiled with the Natural Optimizer Compiler (NOC), with an architecture level (ARCH) higher than executable by this machine. Programs can only be executed if their NOC ARCH level is same or less than the current machine ARCH level.
Action	Re-compile the object with the NOC ARCH level of this machine.

NAT1395: Reporting mode of object :1: (:2:/:3:/:4:) not permitted.

Text	Reporting mode of object :1: (:2:/:3:/:4:) not permitted.
Explanation	Switch to reporting mode by object :1: loaded from library :2: (database :3:/file :4:) is not permitted. Switching to reporting mode is not permitted if Natural was started with structured mode (parameter SM=ON). When a Natural source program is read into the source area, Natural automatically switches to the mode in which the program was stored. The program can be edited, but before a STOW command can be executed, you have to ensure that the program structure is in accordance with the appropriate programming mode.

Action	Make sure you are using the correct programming mode.

NAT1396: In the meantime :1: :2: was saved unmodified by user :3:.

Text	In the meantime :1: :2: was saved unmodified by user :3:.
Explanation	It is not possible to save object :2: of type :1:, because it was saved - although not modified - in the meantime by user :3:.
Action	Delete the source and save it again.

NAT1397: In the meantime :1: :2: was modified and saved by :3:.

Text	In the meantime :1: :2: was modified and saved by :3:.
Explanation	It is not possible to save object :2: of type :1:, because it was modified and saved in the meantime by user :3:.
Action	Delete the source and save it again.

NAT1398: :1: :2: is locked for :3:.

Text	:1: :2: is locked for :3:.
Explanation	It is not possible to save object :2: of type :1:, because it is currently locked for a different purpose denoted as :3:.
Action	Unlock the object before saving it.

NAT1399: :1: :2: is locked by user :3: (session ID :4:).

Text	:1: :2: is locked by user :3: (session ID :4:).
Explanation	It is not possible to save object :2: of type :1:, because it is currently locked by user :3: in session :4:.
Action	The user who locked the object, or an authorized administrator, has to unlock the object.

29 Natural System Error Messages 1400-1449

NAT1400: Overflow for total/sum in Natural system function.

Text	Overflow for total/sum in Natural system function.
Explanation	The value that resulted from the addition of values from all processed records caused an overflow of the value for a Natural system function. The number of positions for a Natural system function is derived from the length of the argument field.
Action	Increase the length of the argument field.

30 Natural System Error Messages 1500-1549

NAT1500: Open for :1: file :2: failed :3:.

Text	Open for ... file ... failed ....
Explanation	Possible reasons: - Com-plete: Work files: Insufficient space for SD files. Printers : Message indicates PSOPEN error. - z/OS: Insufficient or incorrect DCB information. Please check for operating-system messages in the job log. - Linux/Windows: Read/write privileges for the directory where the work file is located may be incorrect; or the specified path for the work file may be incorrect. - Entire Connection: The RECORD option cannot be used with Entire Connection work files.
Action	For Entire Connection work files, omit the RECORD option. In all other cases, contact your Natural administrator.

NAT1501: Insufficient control information for :1: file :2:.

Text	Insufficient control information for ... file ....

Explanation	Under z/OS the file cannot be opened. Neither the block size (BLKSIZE) nor the record length (LRECL) are known when the file is opened.
Action	Ensure that a sufficient record length (LRECL) definition is available, either from the application or from the dataset DCB or from the JCL, or from the Natural parameter module or dynamic parameter WORK or PRINT.

NAT1502: Permanent physical I/O error for :1: file :2:.

Text	Permanent physical I/O error for ... file ....
Explanation	The work file cannot be processed because of permanent I/O errors. Possible reason is a physical damage to the file.
Action	Check the console log for corresponding error message.

NAT1503: Work file :1: closed within READ WORK FILE loop.

Text	Work file ... closed within READ WORK FILE loop.
Explanation	Within a READ WORK FILE processing loop, another Natural program or subprogram has caused the closing of the work file, either by an explicit CLOSE WORKFILE statement or implicitly due to an end-of-file condition during a READ WORK FILE processing loop. If the work file has been closed, an open READ WORK FILE loop for the work file must be exited with an ESCAPE BOTTOM statement.
Action	Correct error.

NAT1504: READ end-of-file reached but no AT END processing coded.

Text	READ end-of-file reached but no AT END processing coded.
Explanation	The READ WORK FILE ONCE option was specified and the file has reached the end-of-file condition. This condition should be checked with an AT END OF FILE clause.
Action	Correct program.

NAT1505: Invalid data for numeric input field.

Text	Invalid data for numeric input field.
Explanation	The READ WORK FILE SELECT option checks all data fields for valid input data. A non-numeric value was found in a field defined as numeric.
Action	Check program and correct error.

NAT1506: Packed numeric value and variable definition do not match.

Text	Packed numeric value and variable definition do not match.
Explanation	A READ WORK FILE statement without the RECORD option is attempting to read a packed variable that is defined with an even number of digits (e.g. P6, P5.1). However, the numeric data in the work file does not fit into the variable, but would require an odd number of digits where the number of digits is one more than the current definition. A possible reason is that the data has been written to the work file using another variable definition or using redefinitions.

Action	Increase the number of digits in the variable definition by one so that the number of digits is odd, or check the application that wrote the data to the work file.

NAT1507: The :1: file :2: is full.

Text	The ... file ... is full.
Explanation	The space allocated for an output file is not large enough to hold all the records written by the Natural program.
Action	Ask your Natural administrator to increase the size of the output file or to reserve more storage for it.

NAT1508: The :1: file :2: is already open for another user.

Text	The ... file ... is already open for another user.
Explanation	The print or work file is being used by another user and cannot be shared by users.
Action	Check concurrent programs to ensure that they are not using the same file.

NAT1509: Dynamic allocation for :1: file :2: failed :3:. RC: :4:.

Text	Dynamic allocation for ... file ... failed .... RC: ....
Explanation	During the dynamic allocation of the designated file, an error occurred. The error and info codes at the end of the message show the reason for the failure. Refer to the IBM MVS Authorized Assembler Services manual and see the description of dynamic allocation for a detailed description of the error reason.

Action	Contact your Natural administrator.

NAT1510: Record too small for :1: file :2:.

Text	Record too small for ... file ....
Explanation	For z/OS systems, this message indicates that for RECFM=F the record is shorter than the dataset record length and padding by blanks (print files) or nulls (work files) is not allowed. Record padding is controlled by the subparameter PAD of the PRINT or WORK parameter.
Action	Contact your Natural administrator to ensure that the Natural JCL has been specified correctly. For z/OS systems, start the session with subparameter PAD=ON to allow record padding or correct your application.

NAT1511: WRITE WORK FILE issued after READ WORK FILE.

Text	WRITE WORK FILE issued after READ WORK FILE.
Explanation	A work file can be created within a Natural program and subsequently read within it, but not vice versa. If a work file has been opened as a result of executing a READ WORK FILE statement, the execution of a WRITE WORK FILE statement will generate a runtime error.
Action	Check program and correct error.

NAT1512: Record too large for :1: file :2:.

Text	Record too large for ... file ....

Explanation	The length of the record to be written exceeds the output dataset record length and truncation by blanks (print files) or nulls (work files) is not allowed. Record truncation is controlled by the subparameter TRUNC of the PRINT or WORK profile parameter.
Action	Start the session with subparameter TRUNC=ON to allow record truncation or correct your application program or correct the output dataset record length, e.g. by profile subparameter LRECL.

NAT1513: Error occurred when closing :1: file :2:.

Text	Error occurred when closing ... file ....
Explanation	An error has occurred during CLOSE of the specified print or work file. If a DEFINE or a READ WORK statement failed, the opened file cannot be closed because the profile subparameter CLOSE=FIN was specified for the file.
Action	Check the job log protocol for operating system error messages. In case of CLOSE=FIN, change your application program or use another value for the CLOSE subparameter for the file.

NAT1514: Not supported file organization for :1: file :2:.

Text	Not supported file organization for ... file ....
Explanation	Currently, Natural only supports sequential files as work files.
Action	Check file organization of the file to be processed and correct it.

NAT1515: Too many work files open in parallel.

Text	Too many work files open in parallel.
Explanation	This Natural version is active under Com-plete. Com-plete has the restriction that not more than 5 work files (SD-files) can be processed in parallel by one transaction. Therefore, Natural checks to ensure that not more than 5 are opened at the same time. It is possible that in a set of subsequent transactions more than 5 work files can be processed, but not more than 5 at a time.
Action	Reduce number of work files in use.

NAT1516: GETMAIN error on open for :1: file :2:.

Text	GETMAIN error on open for ... file ....
Explanation	There is not enough main storage to satisfy a GETMAIN request that is issued when the specified file is opened.
Action	Increase the size of the storage thread. For non-thread environments increase the available region or partition size.

NAT1517: FREEMAIN error on close for :1: file :2:.

Text	FREEMAIN error on close for ... file ....
Explanation	A FREEMAIN request failed when closing the specified file.
Action	Contact your Natural administrator.

NAT1518: GET or PUT to not opened :1: file :2:.

Text	GET or PUT to not opened ... file ....
Explanation	An internal error condition may have occurred.
Action	Contact your Natural administrator.

NAT1519: Invalid device type for :1: file :2:.

Text	Invalid device type for ... file ....
Explanation	The device type for a printer is not a printer, or the device type for a work file is neither a tape nor a disk.
Action	Check JCL and correct error; if necessary, contact your Natural administrator.

NAT1520: :1: file :2: not available.

Text	... file ... not available.
Explanation	The specified print or work file is not available. Either the file is not defined in Natural, neither by JCL nor profile parameters or the file access method is not available.
Action	Check using the SYSFILE utility, whether the file is defined with the correct file name and access method. Check JCL and the PRINT or WORK parameter and correct the error.

NAT1521: Invalid variable record.

Text	Invalid variable record.
Explanation	The first 4 bytes of a variable input-work-file record do not constitute a valid record descriptor-word. The setting of the Natural parameter BWORKD may be incorrect.
Action	Check JCL or file and correct error, or contact your Natural administrator.

NAT1522: NATAMUSR: Access method exit NATAM9EX not installed.

Text	NATAMUSR: Access method exit NATAM9EX not installed.
Explanation	The User Access Method exit entry point NATAM9EX is not resolved in User Access Method module NATAMUSR.
Action	Check if the exit has an entry point NATAM9EX. Check if the exit is linked to module NATAMUSR.

NAT1523: NATAMUSR: Access method buffer not allocated.

Text	NATAMUSR: Access method buffer not allocated.
Explanation	The User Access Method is not operational because its buffer is not allocated. a) The GETMAIN for the buffer might have failed. b) The buffer has been released, because no . Natural print or work file is managed by . the User Access Method.

NAT1524: NATAMUSR: :1: file :2: exit :3: error rtc :4: reason :5:.

Text	NATAMUSR: ... file ... exit ... error rtc ... reason ....
Explanation	An error occurred in the User Access Method exit.
Action	See User Access Method exit handler for error and reason code and appropriate actions.

NAT1525: This work file cannot be accessed with dynamic variables.

Text	This work file cannot be accessed with dynamic variables.
Explanation	Dynamic variables are only allowed in a READ WORK ... ONCE statement for a TYPE=STREAM work file.
Action	Do not use dynamic variables with this type of work file.

NAT1526: OFFSET keyword not allowed for an UNFORMATTED work file.

Text	OFFSET keyword not allowed for an UNFORMATTED work file.
Explanation	OFFSET specifies a read position relative to the start of a work-file record. In an UNFORMATTED work file, however, there is no concept of records, therefore the OFFSET keyword is not allowed. To position forward relative to the end of the field processed last, use the FILLER keyword.
Action	Correct error in program.

NAT1527: TYPE=UNFORMATTED work files not supported for this object.

Text	TYPE=UNFORMATTED work files not supported for this object.
Explanation	Work files of TYPE=UNFORMATTED can only be read and written by Natural programs that are compiled (CATALOGed, STOWed) under Natural Version 4 and above.

NAT1528: Invalid TYPE specified in DEFINE WORK statement.

Text	Invalid TYPE specified in DEFINE WORK statement.
Explanation	Valid work-file types are: "FORMATTED" for a regular, record-oriented work file. "UNFORMATTED" for a work file to be read or written as a byte stream.
Action	Specify a valid work-file type.

NAT1529: Name in DEFINE WORK not allowed for this work file.

Text	Name in DEFINE WORK not allowed for this work file.
Explanation	The work-file access method specified for this work file does not accept a name operand. The name operand is optional and can be omitted if the work file TYPE is specified.
Action	Correct error in program.

NAT1530: Invalid ASA control character for print file :1:.

Text	Invalid ASA control character for print file ....
Explanation	An invalid ASA control character has been found in the output record for the print file indicated in the error message. This occurs most likely with ASA=OFF in the Natural print-file definition, in which case it is the user"s responsibility to set a valid ASA control character.
Action	Check program and correct error.

NAT1531: Smarts access method: :1:.

Text	Smarts access method: ....
Explanation	Problems with the Smarts access method for print and work files. Possible reasons: - The driver NCFWFAPS was not found. - The driver NCFWFAPS was not loaded into resident page. - The Smarts initialization failed.
Action	Contact your Natural administrator.

NAT1532: NAT error :1: flushing PWC: :2: :3: :4:.

Text	NAT error ... flushing PWC: ... ...
Explanation	An error occurred during the flush of the print/workfile cache. The flush was triggered by the statement on the 1st given line number. The error occurred at the statement on the 2nd given line number. You can find this statement in the indicated library/program.
Action	Correct the error.

NAT1533: Invalid attribute value :1: in DEFINE WORK statement.

Text	Invalid attribute value ... in DEFINE WORK statement.
Explanation	One of the attribute values specified for the ATTRIBUTES clause of the DEFINE WORK statement is invalid.
Action	Specify a valid attribute value.

NAT1534: Event error :1:.

Text	Event error ....
Explanation	Eventing between Natural and the print/work file server failed. The print/work file server must have been started before the Natural server is started.
Action	Make sure that the print/work file server has been started.

NAT1536: Shift value (:1:) too high for line size (:2:).

Text	Shift value (...) too high for line size (...).
Explanation	With the given line size, the current shift value of (NT)PRINT results in empty report lines.
Action	Either decreaze the value of the SHIFT subparameter of (NT)PRINT or increase the line size.

NAT1548: TPS spool request failure.

Text	TPS spool request failure.
Explanation	A non-zero return code on a TPS spool request has occurred.
Action	See the appropriate TPS documentation for details.

NAT1549: TPS spooling interface not available.

Text	TPS spooling interface not available.
Explanation	For online environments: Module TPSSPINO is not available in the TP environment. For batch environments: TPSSPINB is not linked to NSITPS.
Action	Depending on your environment, either make TPSSPINO available, or link TPSSPINB to NSITPS.

31 Natural System Error Messages 1550-1599

NAT1550: Natural ADVANCED FACILITIES has not been initialized.

Text	Natural ADVANCED FACILITIES has not been initialized.
Explanation	WRITE or DISPLAY has been requested, but Natural ADVANCED FACILITIES has not been initialized. Most probably the session was started with an invalid PRINTER parameter.
Action	Install Natural ADVANCED FACILITIES correctly, and restart the session.

NAT1551: Error on NATSPOOL file.

Text	Error on NATSPOOL file.
Explanation	A response code different from 0 was returned when accessing the NATSPOOL file.
Action	Check status of the NATSPOOL file and correct error.

NAT1552: NATSPOOL: Record not found for a report being printed.

Text	NATSPOOL: Record not found for a report being printed.
Explanation	To store a report on the NATSPOOL file, NATSPOOL tries to read the current DETAIL record (for update). This request failed because the record could not be found.
Action	Re-run the Natural program which generates the report.

NAT1553: NATSPOOL: Invalid output length in WRITE (rep) statement.

Text	NATSPOOL: Invalid output length in WRITE (rep) statement.
Explanation	The NATSPOOL nucleus receives lines of output from the Natural nucleus. The length of one of these lines is not positive.
Action	Contact technical support.

NAT1554: NATSPOOL: No message group record found for a queue.

Text	NATSPOOL: No message group record found for a group.
Explanation	To store a queue on the NATSPOOL file, NATSPOOL reads a free group, updates the DETAIL record and then tries to read the previous group record (for update). This request failed because the record could not be found.
Action	Re-run the Natural program which generates the queue.

NAT1556: NATSPOOL file is full.

Text	NATSPOOL file is full.
Explanation	The NATSPOOL file, which is used as the physical spool file for all reports produced by Natural programs, is full. The maximum number of reports that may be contained in the NATSPOOL file, is defined via the formatting function of the Spool File Maintenance.
Action	(1) Print some reports with disposition D; or (2) Delete some reports; or (3) Increase the spool file (see Spool File Maintenance).

NAT1557: NATSPOOL: Job number record not found on checkpoint.

Text	NATSPOOL: Job number record not found on checkpoint.
Explanation	The NATSPOOL environment (user profiles, logical printer profiles) has been correctly defined, but the part of the file which is to contain the printout queues has not been pre-formatted.
Action	Format the NATSPOOL file, using the F-function of the NATSPOOL operator commands.

NAT1558: NATSPOOL: Interval control error.

Text	NATSPOOL: Interval control error.
Explanation	The NATSPOOL printer task could not be started because an invalid type of request was received for processing by the CICS interval control program.

Action	Contact your system programmer.

NAT1559: NATSPOOL: GETMAIN for work area failed.

Text	NATSPOOL: GETMAIN for work area failed.
Explanation	This error may be caused by one of the following: 1) During initialisation, the Natural Advanced Facilities work area (2 KB) could not be allocated. 2) During execution, the size of this work area was not sufficient.
Action	1) Increase the thread size. 2) Contact technical support.

NAT1560: NATSPOOL: Index record not found for a queue.

Text	NATSPOOL: Index record not found for a queue.
Explanation	This error is caused by an internal error within the NATSPOOL nucleus.
Action	Contact your Natural adminstrator; if necessary, contact technical support.

NAT1561: NATSPOOL: Invalid form or destination.

Text	NATSPOOL: Invalid form or destination.
Explanation	An internal error has occurred in the NATSPOOL nucleus.

Action	Contact your Natural administrator; if necessary, contact technical support.

NAT1562: NATSPOOL: Index record not found during close processing.

Text	NATSPOOL: Index record not found during close processing.
Explanation	To close a report on the NATSPOOL file, the index record is updated with "number of pages" and status "to be printed". This request failed because the index record could not be found.
Action	Re-run the Natural program which creates the report.

NAT1563: NATSPOOL: EXEC CICS START, invalid SYSID.

Text	NATSPOOL: EXEC CICS START, invalid SYSID.
Explanation	The SYSID of the printer associated with the NATSPOOL printer task could not be found.
Action	Contact your Natural administrator.

NAT1564: NATSPOOL: EXEC CICS START, invalid transaction ID.

Text	NATSPOOL: EXEC CICS START, invalid transaction ID.
Explanation	The transaction ID of the NATSPOOL printer task could not be found in the CICS Program Control Table.

Action	Contact your Natural administrator.

NAT1565: NATSPOOL: EXEC CICS START, invalid printer ID.

Text	NATSPOOL: EXEC CICS START, invalid printer ID.
Explanation	The terminal ID of the printer associated with the NATSPOOL printer task could not be found in the CICS Terminal Control Table. Possible reasons are: - a misspelt printer name in the NATSPOOL Allocation Table; or - the terminal ID of the printer is not contained in the CICS TCT.
Action	Check NATSPOOL Allocation Table or contact your Natural administrator.

NAT1566: NATSPOOL: Printer not defined in CICS, or LOCATE failed.

Text	NATSPOOL: Printer not defined in CICS, or LOCATE failed.
Explanation	When scanning the CICS Terminal Control Table (DFHTC CTYPE=LOCATE), the terminal ID specified in TCATPTA could not be located.
Action	Contact your Natural administrator.

NAT1567: NATSPOOL: CICS locate failed.

Text	NATSPOOL: CICS locate failed.
Explanation	When scanning the CICS Terminal Control Table (DFHTC CTYPE=LOCATE), an error occurred.

Action	Contact your Natural administrator. See program NATAF in the Natural ADVANCED FACILITIES source library.

NAT1568: NATSPOOL: Open printer for hardcopy output failed.

Text	NATSPOOL: Open printer for hardcopy output failed.
Explanation	The hardcopy system was invoked with the request "OPEN PRINTER FOR OUTPUT", but the OPEN failed.
Action	Contact your Natural administrator.

NAT1569: Duplicate index record on NATSPOOL file.

Text	Duplicate index record on NATSPOOL file.
Explanation	To close a queue on the NATSPOOL file, NATSPOOL updates the index record with "number of pages" and status "to be printed". This request failed because more than one index record with the same key was found.
Action	Re-run the Natural program which generates the print queue.

NAT1570: NATSPOOL: CSECT "NOMPUT" is missing.

Text	NATSPOOL: CSECT "NOMPUT" is missing.
Explanation	The CSECT "NOMPUT", which is used when routing reports from NAF to NOM is either missing in the link-edit stream or the name of the CSECT "NOMPUT" has been changed.

Action	Check for the presence of NOMPUT in the link-edit stream.

NAT1571: NATSPOOL: NOM has not been installed.

Text	NATSPOOL: NOM has not been installed.
Explanation	A NAF report has been created for NOM (Entire Output Management), but NOM has not been installed.
Action	Install NOM.

NAT1573: Logical printer profile :1: not found on spool file.

Text	Logical printer profile ... not found on spool file.
Explanation	(1) The logical printer referred to in the user"s Natural program, has not been associated with the user profile. (2) The Natural session was not started with a correct PRINTER parameter for NATSPOOL, i.e. PRINTER=(NATSPOOL,...). (3) The OUTPUT operand of a DEFINE PRINTER statement references a logical printer profile which does not exist on the spool file.
Action	(1) Define a logical printer profile for the user, using the U function of the NATSPOOL operator command. (2) Define a correct PRINTER parameter for NATSPOOL.

NAT1574: NATSPOOL: No physical printer allocated to hardcopy.

Text	NATSPOOL: No physical printer allocated to hardcopy.
Explanation	A hardcopy was requested (%H), but no physical printer is allocated. When hardcopies are requested, an allocation between the logical printer DESTINATION: TERMID of the user"s terminal FORM: A and at least one physical printer must be defined. The allocated printer(s) must be added to the NATSPOOL file.

Action	Define an allocation between logical and physical printer, by using the hardcopy allocation function of SYSPOOL.

NAT1575: NATSPOOL: Invalid function code in hardcopy write.

Text	NATSPOOL: Invalid function code in hardcopy write.
Explanation	The hardcopy system was invoked with a request different from OPEN, PUT, or CLOSE.
Action	Contact your Natural administrator.

NAT1576: NATSPOOL: Hardcopy system not available.

Text	NATSPOOL: Hardcopy system not available.
Explanation	A hardcopy was requested (%H), but NATSPOOL did not provide support for hardcopy due to one of the following reasons: (1) The module NATSPOOL is not included in the link-edit of Natural. (2) During initialization of Natural, the GETMAIN for the hardcopy system has failed.
Action	(1) Include NATSPOOL in the link-edit of Natural. (2) Ensure that sufficient storage is available.

NAT1577: NATSPOOL: CSECT "NAFPARM" is missing.

Text	NATSPOOL: CSECT "NAFPARM" is missing.
Explanation	This error may be caused by one of the following: - The Natural Advanced Facilities parameter module NAFPARMC/NAFPARMI is missing in the link-edit stream. - The CSECT instruction is missing in the source of the parameter module. - The name in the CSECT instruction has been changed; the name must be "NAFPARM".

Action	Check for the presence of the parameter module in the link-edit stream; check if the source of the parameter module is correct/complete.

NAT1578: No logical printer profile for hardcopy found.

Text	No logical printer profile for hardcopy found.
Explanation	When the user issues %H, NAF needs a logical printer profile (LPF). The name of this LPF is built from CMTERMID or USRID, depending on NAF customization. This LPF was not found during session initialization - probably it has been deleted from the spool file.
Action	Provide such an LPF or issue %Hxyz where xyz is the name of an existing LPF.

NAT1579: NATSPOOL: Logical printer :1: not available.

Text	NATSPOOL: Logical printer :1: not available.
Explanation	The logical printer number in the user"s Natural program referres to a logical printer profile that does not exist in the currently active user profile. If the session is protected by Natural Security, the usage of this printer might have been restricted by means of the SPOOL profile.
Action	Correct the printer number or contact your Natural Security administrator.

NAT1580: NATSPOOL: FSPOOL version not compatible (:1: error :2:).

Text	NATSPOOL: FSPOOL version not compatible (... error ...)

Explanation	A database error (Adabas/VSAM) occurred when trying to access FSPOOL. The error number is specified in the error message. Most likely, FSPOOL does not have the layout (FDT) required by the current version of Natural Advanced Facilities.
Action	Ensure that FSPOOL has the correct layout (DBID/FNR).

NAT1581: NATSPOOL: CSECT :1: is missing.

Text	NATSPOOL: CSECT :1: is missing.
Explanation	The CSECT specified in this error message is missing in the link-edit stream.
Action	If NAFIO is missing, check for the presence of module NAFAF.

NAT1582: NATSPOOL: Job number record not found during "close".

Text	NATSPOOL: Job number record not found during "close".
Explanation	When closing a report, NATSPOOL has to update the job number record. However, this record was not found.
Action	Contact technical support.

NAT1583: Unable to close report on spool file.

Text	Unable to close report on spool file.
	When closing a report, NATSPOOL has to update the job number record. If this record is in "hold" by another user, NATSPOOL retries 10 times. Thereafter, "close" processing is terminated with this error. This error condition may occur if there are reports on the spool file which are assigned the status NOT CLOSED.

Explanation	This report status indicates that an END OF TRANSACTION statement is missing in the respective application.
Action	Check the spool file for reports with status NOT CLOSED; then check why report status NOT CLOSED is assigned.

NAT1584: NATSPOOL: Unable to start printer.

Text	NATSPOOL: Unable to start printer.
Explanation	To start a printer, NATSPOOL has to update the printer status. If this record is in "hold" by another user, NATSPOOL retries 10 times; thereafter, processing is terminated with this error.
Action	Try to restart the printer. Increase ADARUN NH parameter to prevent Adabas response code 145.

NAT1585: NATSPOOL: Unable to set printer to status HUNG.

Text	NATSPOOL: Unable to set printer to status HUNG.
Explanation	When assigning status HUNG to a printer, NATSPOOL has to update the printer status. When this record is in "hold" by another user, NATSPOOL retries 10 times; thereafter, processing is terminated with this error.
Action	Check why the printer record is in "hold".

NAT1586: Physical printer :1: is not defined on spool file.

Text	Physical printer ... is not defined on spool file.

Explanation	The terminal command "%Hddddddddd" was entered, but the output destination "ddddddddd" has not been defined on the spool file.
Action	Define the physical printer "ddddddddd" on the spool file.

NAT1588: NATSPOOL: NAFEXIT4 completed with errors.

Text	NATSPOOL: NAFEXIT4 completed with errors.
Explanation	The user written exit NAFEXIT4 returns with error(s).
Action	Please check program.

NAT1589: NATSPOOL: NAFEXIT4 not found.

Text	NATSPOOL: NAFEXIT4 not found.
Explanation	The module NAFEXIT4 was not linked to the Natural nucleus.
Action	Please check you installation.

NAT1599: Attempt to execute READ/WRITE WORK to non-existent file.

Text	Attempt to execute READ/WRITE WORK to non-existent file.
Explanation	The work file specified in the job control does not exist.
Action	Check allocation of work files.

32 Natural System Error Messages 1600-1649

NAT1600: Invalid stack function requested.

Text	Invalid stack function requested.
Explanation	See Natural Programmer"s Guide for information on available stack functions.
Action	Correct error.

NAT1601: Length of data to be stacked is zero or negative.

Text	Length of data to be stacked is zero or negative.
Explanation	The length of data to be stacked must be specified as non-zero and positive.
Action	Check program and correct error.

NAT1602: Stack destroyed, command was expected.

Text	Stack destroyed, command was expected.
Explanation	Natural tried to read a command from the top of the stack, but none was found.
Action	Check program and correct error.

NAT1603: Stack destroyed, data expected.

Text	Stack destroyed, data expected.
Explanation	Natural tried to read data from the top of the stack, but no information was available (can be produced by specifying: STACK=(EX pgm:)). Data must be specified for an INPUT statement. If default data are to be passed to INPUT fields, specify data for a non-existent INPUT field. The data will be ignored in delimiter mode.
Action	Check program and correct error.

NAT1604: Stack empty.

Text	Stack empty.
Explanation	Natural tried to read data from the stack, but the stack was empty. Either an internal error has occurred, or the stack was destroyed.
Action	Check program and correct error.

NAT1605: Stack data overflow.

Text	Stack data overflow.
Explanation	The amount of stack data does not fit into the stack area. You can stack a maximum of 999 elements.
Action	Check program and reduce the number or size of fields to be stacked.

NAT1606: Invalid UTF-16 data.

Text	Invalid UTF-16 data.
Explanation	The data to be stacked do not represent a valid UTF-16 encoding.
Action	Ensure that the length of the UTF-16 character string in bytes is a multiple of 2.

NAT1610: SET KEY error, function key bit not supplied.

Text	SET KEY error, function key bit not supplied.
Action	Check program and correct error.

NAT1611: SET KEY error, function key not available.

Text	SET KEY error, function key not available.
Explanation	The selected function key in a SET KEY statement is not defined to Natural.

Action	Check program and correct error.

NAT1612: Error in SET KEY statement.

Text	Error in SET KEY statement.
Explanation	A variable has been specified after "SET KEY", and the variable contains an invalid value. Valid values are: "PA1" to "PA3", "PF1" to "PF24", "CLR", and "ENTR". This error may also occur if the variable contains "ENTR" but a SET KEY statement option other than the NAMED clause is applied to the key.
Action	Correct error in program.

33 Natural System Error Messages 1650-1699

NAT1678: Private mode in batch mode failed, reason :1:.

Text	Private mode in batch mode failed, reason ....
Explanation	Possible reasons: 1 - Wrong environment: FSEC is incorrect. 2 - Wrong environment: FUSER is incorrect. 3 - LSO member has been illegally manipulated. 4 - Environment cannot be established. Actions: Reason 1: Specify correct FSEC. Reason 2: Specify correct FUSER. Reason 3: Generate LSO container library again. Reason 4: Natural provides additional error information; act according to this information.
Action	See above.

NAT1679: ONE private mode not allowed in NSC environment, reason :1:.

Text	ONE private mode not allowed in NSC environment, reason ....

Explanation	Possible reasons: 1 - Private mode is disallowed. 2 - Private mode library is assigned to another library. 3 - Logon to private mode library is not allowed. 4 - LSO library is defined with this ID. 5 - Private mode library is defined as LSO library. 10 - LSO member is generated for another FSEC. 12 - LSO member has been manipulated.
Action	Contact your administrator.

NAT1680: Natural SAF Security internal error :1: :2:.

Text	Natural SAF Security internal error ... .
Explanation	The cause of this error is indicated by the reason code shown in the error message. The most frequent cause is: - Reason 4 - Generation of ETID failed.
Action	Contact technical support.

NAT1681: NSF server communication error response :1:.

Text	NSF server communication error response ....
Explanation	Natural NSF - NSF server communication is not working.
Action	Please contact your administrator.

NAT1682: NSF :1: system error, reason :2:.

Text	NSF ... system error, reason ....
Explanation	A general problem has occurred.
Action	Please contact your administrator.

NAT1683: NSF: Logon to library :1: is denied.

Text	NSF: Logon to library ... is denied.
Explanation	You do not have the permission to log on to this library. Possible reasons are: - The access to the system files (FUSER/FDIC/FSEC/FNAT) was denied. - The access to the library was denied.
Action	Contact your administrator.

NAT1684: Logon to library :1: failed. No access to steplib :2:.

Text	Logon to library ... failed. No access to steplib ....
Explanation	The logon is rejected due to missing access rights to steplibs defined in the library profile.
Action	Contact your administrator.

NAT1685: User is revoked.

Text	User is revoked.
Explanation	No further explanation available.
Action	Contact your security administrator.

NAT1686: NSFSIZE parameter not specified or not available.

Text	NSFSIZE parameter not specified or not available.
Explanation	Either the NSFSIZE parameter was not specified or NATGWSAF failed to acquire the storage specified by NSFSIZE.
Action	Ensure that the NSFSIZE parameter is specified correctly and that the Natural region/thread is large enough.

NAT1687: Password change is currently not allowed.

Text	Password change is currently not allowed.
Explanation	You have to use your current password for a certain period of time before you can change it again. When that time period has expired, a new password change is possible.
Action	Contact your Natural Security administrator.

NAT1689: SSX error: user login failed, reason :1:.

Text	SSX error: user login failed, reason :1:.
Explanation	Cause of error as indicated by reason code shown in error message: 1 - lenght of user ID is max. 8 bytes. .160 technical user credentials file error.
Action	Activate SSX log to get the error text.

NAT1690: Your password has expired :1: day(s) ago.

Text	Your password has expired ... day(s) ago.
Explanation	According to your security profile, you have to change your password periodically. Your password has now expired.
Action	Change your password.

NAT1691: Your password will expire on :1:.

Text	Your password will expire on ....
Explanation	As of the date indicated in the message, your current password will no longer be valid.
Action	Change your password.

NAT1692: User :1: is not authorized.

Text	User ... is not authorized.
Explanation	You have tried to log on to a library via Natural RPC in a client/server environment. In the security profile of the library, the option "Logon Option" (Natural RPC Restrictions) is set to "E" or "S". This means that Natural Security checks if the Natural user ID used for the access to the RPC server (for example, via user exit USR1071) is identical to the EntireX user ID (supplied, for example, via user exit USR2071). This error message is issued if both user IDs are found to be not identical.
Action	Contact your Natural administrator.

NAT1693: Password is too long (max. 8 characters are allowed).

Text	Password is too long (max. 8 characters are allowed).
Explanation	The maximum length allowed for the password is 8 characters.
Action	Please contact your security administrator.

NAT1694: Password changed successfully.

NAT1695: Logon to library :1: for user :2: denied, reason :3:, :4:.

Text	Logon to library ... for user ... denied, reason ..., ...
Explanation	Cause of error as indicated by reason code shown in error message: 1 - This application is currently not available to you. 2 - NAT0838: Change your password. Enter the old and a new password. 3 - Logon to Natural RPC server and this library is not permitted. 30 - NAT1692: User ... is not authorized. 31 - ETID cannot be generated because ETID cannot be changed. 32 - ETID generation failed for this user ID.

Action	Contact your Natural Security administrator.

NAT1696: Logon to library :1: for user :2: denied, reason :3:, :4:.

Text	Logon to library ... for user ... denied, reason ... .
Explanation	Cause of error as indicated by reason code shown in error message: 1 - NAT0873: User ID or password is invalid. 2 - NAT0818: User is not found. 7 - NAT0806: Library is not found. 8 - NAT0807: Logon to library ID is denied. 9 - NAT0963: Security violation during program execution. 10 - RPC logon terminated by user. 12 - Logoff from library failed. 14 - Impersonation failed. 16 - Internal error. 20 - NAT0857: This user is currently locked. 21 - NAT1685: This user is revoked. 22 - NAT0812: User ID profile illegally manipulated. 31 - NAT0807: Logon to library ID is denied in static mode.
Action	Contact your Natural Security administrator.

NAT1697: System file can only be accessed under Natural Security.

Text	System file can only be accessed under Natural Security.
Explanation	You have attempted to access a development server file whose security has been activated in Natural Security. Access to such a file is only possible in a Natural environment protected by Natural Security. However, the Natural environment in which you have tried to access the development server file is a non-Security environment.
Action	Please contact your Security administrator.

NAT1698: You are not authorized to execute the specified function.

Text	You are not authorized to execute the specified function.
Explanation	You are not authorized to execute the specified function.
Action	Please contact your Security administrator.

NAT1699: Automatic logon failed due to invalid default library.

Text	Automatic logon failed due to invalid default library.
Explanation	The default library is not correctly assigned to your user profile.
Action	Contact your Natural Security administrator.

34 Natural System Error Messages 1700-1749

NAT1700: This application is currently not available to you.

Text	This application is currently not available to you.
Explanation	In Natural Security, the availability of the application has been restricted to certain periods of time only; outside these times, the application cannot be used.
Action	Ask your Natural Security administrator at what times the application is available to you.

NAT1701: Non-activity time limit exceeded; press ENTER.

Text	Non-activity time limit exceeded; press ENTER.
Explanation	For this application/user, a non-activity time limit is defined. The elapsed time between the last screen I/O and the current I/O exceeded the defined limit. Natural Security requires the user to log on again.

Action	Press ENTER; then log on again.

NAT1702: User is not authorized to use update statements.

Text	User is not authorized to use update statements.
Explanation	An UPDATE/STORE/DELETE statement was issued, but the user is not currently authorized to issue such update commands.
Action	Contact your Natural administrator.

NAT1703: Maximum transaction duration exceeded.

Text	Maximum transaction duration exceeded.
Explanation	For this application/user, a maximum transaction duration has been defined in Natural Security. The time elapsed between the start of transaction and a subsequent database call or a screen I/O has exceeded the defined limit. This limit is checked independently of the transaction time limit defined in Adabas. The transaction has been backed out. The Natural system variable *TIME-OUT contains the time remaining before a time-out will occur.
Action	Restart the transaction.

NAT1704: Invalid dialog source header.

Text	Invalid dialog source header.

Explanation	The first lines of the Natural source do not constitute a valid dialog header.
Action	Consult the documentation on the dialog format.

NAT1705: Unknown dialog source format :1:.

Text	Unknown dialog source format ....
Explanation	The format identifier (as shown in the message) in the Natural dialog source does not identify one of the known formats.
Action	Consult the documentation on the dialog format.

NAT1706: Invalid value for attribute :1:.

Text	Invalid value for attribute ....
Explanation	The value that has been assigned to the attribute is not allowed in this context.
Action	Assign a valid attribute value.

NAT1707: Attribute :1: is invalid for element type :2:.

Text	Attribute ... is invalid for element type ....
Explanation	The attribute is not in the set of allowed attributes for this type of dialog element.

Action	Choose an allowed attribute for this dialog element type.

NAT1708: Error occurred while scanning for :1:.

Text	Error occurred while scanning for ....
Explanation	The dialog source does not conform to the format expected by the dialog editor. The expected format is indicated in the error message.
Action	Correct the dialog source.

NAT1709: The name :1: is already in use.

Text	The name ... is already in use.
Explanation	An attempt was made to re-use a variable name which is already in use for some other dialog element or pre-defined constant.
Action	Use another name. The dialog editor usually suggests a unique replacement.

35 Natural System Error Messages 1800-1849

NAT1800: MCG module for given architecture is not present.

Text	MCG module for given architecture is not present.
Explanation	The CPU clause of the MCG options indicates an architecture for which no module is available.
Action	Link the required module to the Natural nucleus, or use a different value for the CPU= clause.

NAT1801: Memory shortage for STMT buffer - use bigger thread.

Text	Memory shortage for STMT buffer - use bigger thread.
Explanation	The thread or address space is not large enough for the intermediate buffers required by the Natural Optimizer Compiler.
Action	Use a bigger thread or region. If it proves impossible to compile online, it may be necessary to compile in batch, where more memory is available to the nucleus.

NAT1802: Block nesting error (compiler error).

Text	Block nesting error (compiler error).
Explanation	There are too many nested blocks in the program. NOC can only handle up to 128 nested blocks. A new block starts every time a FOR, REPEAT, READ, FIND, HISTOGRAM, READ WORK, DEFINE SUBROUTINE or AT statement is encountered and ends when the loop is closed or the block is terminated.
Action	Try to re-arrange the program so that the number of nested blocks is reduced.

NAT1803: Parameter error - unknown or misspelled option.

Text	Parameter error - unknown or misspelled option.
Explanation	A parameter of the OPTIONS MCG= statement has not been recognized. Currently the following options are supported: ON OFF IO MIX INDX OVFLW RANGE ZD NODBG LOOPS NOSGNTR ERRDUMP PGEN TRSTMT TRGPT TRMPT TRVDT NOSRCE TREXT CPU=/370 OPTLEV= TRACELEV= LPP= (But please consult the latest NOC doc, there may be more). Parameters are separated by commas, without spaces. e.g. OPTIONS MCG=PGEN,OPTLEV=2,TRACELEV=127
Action	Correct error in program.

NAT1804: Memory shortage for generated code - use bigger thread.

Text	Memory shortage for generated code - use bigger thread.
Explanation	The thread, region or address space is not large enough for the buffer containing the generated code.

Action	Use a bigger thread or region. It may be necessary to compile in batch where more memory is available, if the program is very large.

NAT1805: Assignment error (NOC error).

Text	Assignment error (NOC error).
Explanation	A MOVE or ASSIGN between incompatible or unknown data types has occurred.
Action	This is an internal compiler error. Please set the additional NOC option ERRDUMP, recat the program, contact technical support and provide the dump.

NAT1806: Not enough memory for trace data.

Text	Not enough memory for trace data.
Explanation	There is not enough memory for the trace data.
Action	Use a bigger thread or region, or reduce the amount of trace information by using OPTIONS MCG=+PGEN before the specific area to be traced and OPTIONS MCG=-PGEN after. Or use TREXT option with user exit.

NAT1807: GETMAIN of NOC runtime work buffer failed.

Text	GETMAIN of NOC runtime work buffer failed.
Explanation	This work buffer is used for the COMPRESS statement and overlapping moves using variables which are longer than 512 bytes.

Action	Increase the size of the Natural work pool (profile parameter WPSIZE) or, if not used, the region size.

NAT1808: NOC error - Label could not be resolved (compiler error).

Text	NOC error - Label could not be resolved (compiler error).
Explanation	During NOC generation, a label used to branch inside the code could not be resolved. This is an internal NOC problem.
Action	Contact your Natural administrator.

36 Natural System Error Messages 1950-1999

NAT1999: :1:.

Text	....
Explanation	Error ... has occurred.

37 Natural System Error Messages 2000-2049

NAT2000: Invalid option selection.

Text	Invalid option selection.
Action	Check program and correct error.

NAT2006: Invalid - please enter "Y" or "N".

Text	Invalid - please enter "Y" or "N".
Action	Check program and correct error.

38 Natural System Error Messages 2150-2199

NAT2192: Value(s) missing.

Text	Value(s) missing.
Action	Check program and correct error.

39 Natural System Error Messages 2650-2699

NAT2687: Source field for sub-/super-descriptor not in DDM.

Text	Source field for sub-/super-descriptor not in DDM.
Explanation	The field specified in the sub-/super-descriptor definition is not defined as field in the DDM. The sub-/super-descriptor is only allowed to refer fields defined in the DDM.
Action	Check source field names of the sub-/super-descriptor.

40 Natural System Error Messages 2950-2999

NAT2999: Program is not documented in Predict.

Text	Program is not documented in Predict.
Explanation	If the XREF switch is set to FORCE, the Natural program to be cataloged must be documented in Predict.
Action	Document the program in Predict.

41 Natural System Error Messages 3000-3049

NAT3000: A non-zero response code was received from the database.

Text	A non-zero response code was received from the database.
Explanation	The Natural error messages NAT3001 - NAT3999 deal with database response codes; that is, an error message "NAT3nnn" indicates that the database has replied to a command with a response code "nnn". The error may be caused by one of the following: - An invalid request was made to the database. - A malfunction occurred in the database.
Action	Retain the number of the response code and contact your database administrator.

NAT3001: ISN list not sorted. DB/FNR/Subcode :1:/:2:/:3:.

Text	ISN list not sorted. DB/FNR/Subcode .../.../....
Explanation	The following subcodes may be indicated: 1 An online SAVE operation requires a PLOG. 2 The selected record is not allowed. 3 S2 command did not have enough space. 4 S2/S9 internal program error. 5 System was not in save status at the end of an online ADASAV.

Action	Increase the ADARUN LS parameter value.

NAT3002: Record not held. DB/Subcode :1:/:2:.

Text	Record not held. DB/Subcode .../....
Explanation	ISNs could not be held because of insufficient space in the hold queue.
Action	Contact your database administrator.

NAT3003: End-of-file detected. DB/FNR/Subcode :1:/:2:/:3:.

Text	End-of-file detected. DB/FNR/Subcode .../.../....
Explanation	The following subcodes may be indicated: 1 An end-of-file or end-of-list condition was detected (L3/L6 on a non-expanded file). 4 End of LOB value reached. An attempt was made to read a LOB value segment that begins after the end of the value. This response code/subcode is given to an L1/L4 command with Command Option 2 set to L if the ISN Lower Limit value is greater than or equal to the length of the LOB value being read. 66 A program tried to read or change a multiclient file"s record using either a blank or incorrect-length owner ID, or an owner ID that is not allowed for the record.
Action	For more information, please refer to the Adabas documentation.

NAT3004: The internal Adabas TRS storage directory is full.

Text	The internal Adabas TRS storage directory is full.

Explanation	The internal Adabas TRS storage directory is full.
Action	Free some of the active queries.

NAT3007: Sx command interrupted due to time limit. DB/FNR :1:/:2:.

Text	Sx command interrupted due to time limit. DB/FNR .../....
Explanation	An Sx command has been interrupted because the maximum amount of time permitted has been exceeded.
Action	Contact your database administrator.

NAT3008: Command interrupted to prevent WORK overflow. DB/FNR :1:/:2:.

Text	Command interrupted to prevent WORK overflow. DB/FNR .../....
Explanation	The command was interrupted to prevent a WORK overflow because of a pending backout operation.
Action	The value specified for the LP parameter might have to be increased.

NAT3009: Last transaction backed out of database :1:. Subcode :2:.

Text	Last transaction backed out of database .... Subcode ....
Explanation	The last transaction has been backed out by Adabas because an Adabas time limit has been exceeded or because of a security violation. This error may also occur if an Adabas OP command is required (Adabas parameter OPENRQ=YES) but an Adabas command was issued without an OP command having been issued before. For the detailed reason see the subcode.

Action	Correct cause of time-out or security violation, and execute transaction again; or issue OP command correctly.

NAT3010: Too many occurrences for periodic group. DB/FNR :1:/:2:.

Text	Too many occurrences for periodic group. DB/FNR .../....
Explanation	Too many occurrences for a periodic group.
Action	Check program and correct error.

NAT3016: An error occurred in an MC call processing. DB/FNR :1:/:2:.

Text	An error occurred in an MC call processing. DB/FNR .../....
Explanation	An error occurred in an MC call during subcommand processing.
Action	Contact your database administrator.

NAT3017: Invalid file number. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid file number. DB/FNR/Subcode .../.../....
Explanation	The file number was invalid. Possible causes are: - The file number was either 0 or greater than the maximum allowed. - The file was not in the database. - The file was locked. - A required Adabas system file was not loaded. Make sure that you use the correct file number.

Action	For more information, please refer to the Adabas documentation.

NAT3018: Incorrect usage of file number. DB/FNR :1:/:2:.

Text	Incorrect usage of file number. DB/FNR .../....
Explanation	The file number was modified between successive L2/L5 calls.
Action	Check program and correct error.

NAT3019: Update not permitted for access-only file. DB/FNR :1:/:2:.

Text	Update not permitted for access-only file. DB/FNR .../....
Explanation	An attempt was made to update a file which was opened for access only.
Action	Check program and correct error.

NAT3020: Incorrect entry made for a command ID value. DB/FNR :1:/:2:.

Text	Incorrect entry made for a command ID value. DB/FNR .../....
Explanation	One of the following incorrect entries was used for a command ID value: - binary zeros; - blanks; - the high-order byte contains the hexadecimal value "FF", but there is no automatic command ID generation; - the three high-order bytes contain the ASCII string "SYN".
Action	Check program and correct error.

NAT3021: An invalid CID value was detected. DB/FNR/Subcode :1:/:2:/:3:.

Text	An invalid CID value was detected. DB/FNR/Subcode .../.../....
Explanation	A time-out occurred because a command ID was not found. This program error can be caused by: - the CMD ID being assigned to another Lx command; - the CMD ID being assigned to another file; - the CMD ID was not found for an Sx command.
Action	Check program and correct error. For more information, please refer to the Adabas documentation.

NAT3022: Invalid command :4:. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid command .... DB/FNR/Subcode .../.../....
Explanation	The command or command option is invalid. Some possible subcodes: 1/1005 Invalid command code. 2 Access-only user attempted to issue an update command. 18 ADALNK X"48" call logic has been suppressed. 21 Non-ET-logic user issued BT command. 52 A non-Adabas target was called. 1006/1007/1008 Invalid ACBX/ABD/ABD-type. 1010/1011 More than one value buffer/ISN buffer specified. 1012/1013 Number of search and value buffers/format and record buffers do not match.
Action	Check program and correct error. For more information, please refer to the Adabas documentation.

NAT3023: Invalid starting ISN specified. DB/FNR :1:/:2:.

Text	Invalid starting ISN specified. DB/FNR .../....

Explanation	The starting ISN specified for an L2/L5 command sequence was invalid: - The ISN is not assigned to a record in the file. - The ISN was greater than the MAXISN in effect for the file.
Action	Check program and correct error.

NAT3024: Invalid ISN in complex FIND SORTED statement. DB/FNR :1:/:2:.

Text	Invalid ISN in complex FIND SORTED statement. DB/FNR .../....
Explanation	This error may be caused by one of the following: - The ISN list in the ISN buffer was already sorted. - The ISN list in the ISN buffer contained an invalid ISN. - The "D" option was specified when trying to sort by ISN.
Action	Check program and correct error, or contact your database administrator.

NAT3025: ISN in ISN lower limit for S1/S4 not found. DB/FNR :1:/:2:.

Text	ISN in ISN lower limit for S1/S4 not found. DB/FNR .../....
Explanation	The ISN specified in ISN Lower Limit for an S1/S4 (or S2/S9) command was not found.
Action	Check program and correct error.

NAT3026: Invalid ISN buffer length. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid ISN buffer length. DB/FNR/Subcode .../.../....

Explanation	An invalid ISN buffer length for an S9 command was detected. The number of ISNs to be sorted as provided in ISN quantity is zero. Possible subcodes: 2 The ISN buffer of the S9 command contains ISNs that are higher than the TOP-ISN of the file.
Action	Check program and correct error.

NAT3027: Search/value buffer overflow. DB/FNR/Subcode :1:/:2:/:3:.

Text	Search/value buffer overflow. DB/FNR/Subcode .../.../....
Explanation	There was not enough work space available to either accommodate the combined sizes of the search and value buffers as indicated in the fields Search Buffer Length and Value Buffer Length, or generate the format translation.
Action	Check program and correct error.

NAT3028: Invalid descriptor :4:. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid descriptor .... DB/FNR/Subcode .../.../....
Explanation	A descriptor was invalid for an L3/L6 or S2/S9 command. The following subcodes may be indicated: 1 The field was not a descriptor. 2 The descriptor is contained within a periodic group. 3 The descriptor was changed between successive calls. 4 The Additions 1 field contained a different descriptor than the descriptor contained in the search buffer. 5 An initial L3/L6 call contains no trailing blanks in the Additions 1 field.

Action	Check program and correct error. For more information, please refer to the Adabas documentation.

NAT3029: Incorrect value repositioning attempted. DB/FNR :1:/:2:.

Text	Incorrect value repositioning attempted. DB/FNR .../....
Explanation	A value repositioning was attempted with an L3/L6 command (bytes 7-8 of the Additions 1 field contain spaces) and the Command Option 2 field did not contain the value "V". The command ID is released.
Action	Check program and correct error.

NAT3034: An invalid command option has been detected. DB/FNR :1:/:2:.

Text	An invalid command option has been detected. DB/FNR .../....
Explanation	An invalid command option has been detected for the database ID / file number indicated in the error message.
Action	Either remove the invalid command option or replace it with a valid option. See the Adabas documentation for more information.

NAT3035: Invalid function for non-cluster Adabas nucleus. DB/FNR :1:/:2:.

Text	Invalid function for non-cluster Adabas nucleus. DB/FNR .../....
Explanation	The user/DBA attempted to perform a function for a non-cluster Adabas nucleus that is available only for an Adabas cluster database.

Action	Do not perform this function for this type of nucleus.

NAT3039: Logically deleted descriptor used as search crit. DB/FNR :1:/:2:

Text	Logically deleted descriptor used as search crit. DB/FNR .../...
Explanation	A logically deleted descriptor was used as a search criterion or was specified in the first two bytes of the Additions 1 field for an L3, L6, L9, S2, or S9 command. DB/FNR .../....
Action	Remove the use of the logically deleted descriptor and inform your database administrator about the problem.

NAT3040: Syntax error in format buffer. DB/FNR/Subcode :1:/:2:/:3:.

Text	Syntax error in format buffer. DB/FNR/Subcode .../.../....
Explanation	The syntax error may be one of the following: - The terminating period was missing. - The first position contains a period. - Length and/or format was specified with a range definition. - An invalid element was detected. - The L9 descriptor name in the search buffer did not agree with the name in the format buffer.
Action	Check program and correct error.

NAT3041: Error in format buffer. DB/FNR/Subc/Field :1:/:2:/:3:/:4:.

Text	Error in format buffer. DB/FNR/Subc/Field .../.../.../....

Explanation	The following subcodes may be indicated: 1 Spacing element nX with n=0 or n>255 not allowed. 2 Invalid sequence of format buffer elements was specified. 3 Specification errors in the format buffer. 4 A field name was undefined or not elementary. 5 Format without fields. 6 A group field cannot be specified if the group contains a LOB (LB) field. 7 A field name is undefined. 24 A phonetic, collation, or hyperdescriptor was specified. Further subcodes are described in the Adabas documentation. The message shows the name of the field being processed when the error was detected.
Action	Check program and DDM and correct error.

NAT3042: Internal buffer too small. DB/FNR/Subcode :1:/:2:/:3:.

Text	Internal buffer too small. DB/FNR/Subcode .../.../....
Explanation	A space problem occurred. The following are the subcodes and their meanings: 1 The Work pool was too small to store a user format. 2 The internal format buffer was too small to store a user format (translated into internal structure).
Action	Subcode 1: Increase the LWP specification and retry. Subcode 2: Increase the LFP specification and retry.

NAT3043: Descriptor in format and search buffer not equal. DB/FNR :1:/:2:.

Text	Descriptor in format and search buffer not equal. DB/FNR .../....
Explanation	The descriptor specified in the format buffer did not agree with the descriptor specified in the search buffer.

Action	Check program and correct error.

NAT3044: Invalid format buffer. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid format buffer. DB/FNR/Subcode .../.../....
Explanation	The following subcodes may be indicated: 1/3 Invalid format for update operation, e.g. a conditional format buffer with an update operation. 2/4 The L9"s format buffer format is not allowed for other commands. 5 Format used for L9 can only contain field and an optional daylight savings time indicator (fldD). 6 Fixed point format must have length 2, 4, or 8. 7 Conditional format and more than one format buffer was specified. 8 The current Adabas call provides a different number of format buffers than the format reference by CID. 9 Number of format buffer segments (ABDs) is zero.
Action	Check program and DDM and correct error. For more information, please refer to the Adabas documentation.

NAT3045: Adabas internal format buffer space exceeded. DB/FNR :1:/:2:.

Text	Adabas internal format buffer space exceeded. DB/FNR .../...
Explanation	The Adabas internal format buffer space has been exceeded. Either the Adabas LWP parameter setting is too small, or the internal format buffer requires more than 2GB. For an explanation of this response code for non-z/OS databases, see the Adabas documentation.
Action	Contact your database administrator.

NAT3046: Maximum value for Adabas NQCID exceeded. DB/FNR :1:/:2:.

Text	Maximum value for Adabas NQCID exceeded. DB/FNR .../....
Explanation	The maximum value for the Adabas parameter NQCID was exceeded. For an explanation of this response code for non-mainframe databases, see the Adabas documentation.
Action	Contact your Adabas administrator.

NAT3047: Maximum value for Adabas parm NISNHQ exceeded. DB/FNR :1:/:2:.

Text	Maximum value for Adabas parm NISNHQ exceeded. DB/FNR .../....
Action	Contact your database administrator.

NAT3048: Error during Open processing. DB/Subcode :1:/:2:.

Text	Error during Open processing. DB/Subcode .../....
Explanation	An error occurred during the processing of a command such as OP or N1. The default reason for this response code is that files are not available at open time. Other reasons are indicated by a subcode: 1 A specified file is locked against the requested use. 2 A specified file is currently in conflicting use. 4 The file is locked or in exclusive control by another user. 8 The user ID provided in the OP command is already assigned to another user. 11 A non-privileged user issued an open (OP) command to a nucleus that is in UTIONLY (utilities only) status. 17 The data of a specified file is not accessible. This can happen if a utility aborts or an autorestart fails. Further subcodes are described in the Adabas documentation.

Action	See the documentation for nucleus response codes, or contact your database administrator.

NAT3049: Compressed record too long. DB/FNR/Subcode :1:/:2:/:3:.

Text	Compressed record too long. DB/FNR/Subcode .../.../....
Explanation	The compressed record was too long. It exceeds the maximum permitted record length for the file. The following subcodes may be indicated. 1 Multiple-value (MU) field. 2 Periodic (PE) group field. 3 MU field. 4 PE group. 5 PE group level. 6 Remaining fields. 10 Long alpha or wide field. Default message: File(s) not available at open time. Further subcodes are described in the Adabas documentation.
Action	Contact your database administrator.

42 Natural System Error Messages 3050-3099

NAT3050: Syntax error detected in record buffer. DB/Subcode :1:/:2:.

Text	Syntax error detected in record buffer. DB/Subcode .../....
Explanation	A syntax error in the record buffer was detected during processing OP command, an invalid character set was specified, or an invalid time zone was specified.
Action	Correct the record buffer by changing the OPRB parameter. For more information, please refer to the Adabas documentation.

NAT3051: Error in record buffer at open. DB :1:.

Text	Error in record buffer at open. DB ....
Explanation	An error in the record buffer was detected during processing of an OP command.
Action	Correct the record buffer by changing the OPRB parameter.

NAT3052: Error processing a buffer. DB/FNR/Subc/Field :1:/:2:/:3:/:4:.

Text	Error processing a buffer. DB/FNR/Subc/Field .../.../.../....
Explanation	An error occurred while processing the record buffer, value buffer, or search buffer: - The value of a P format field was not in packed decimal format. - The value of a U format field was not in unpacked decimal format. - A variable-length field was specified without a length parameter. - A field defined with the "no null value" (NC/NN) option was found to contain no value or a null value, or an attempt was made to store such a value in the field.
Action	Check program and correct error. For more information, please refer to the Adabas documentation.

NAT3053: Record or ISN buffer too small. DB/FNR/Subcode :1:/:2:/:3:.

Text	Record or ISN buffer too small. DB/FNR/Subcode .../.../....
Explanation	The record buffer is too small to contain all required Adabas values in compressed form; or the record buffer size does not correspond to the record-buffer size of the global format ID (GFID) already established in Adabas. Or the ISN buffer is too small.
Action	Check program and correct error; or first recatalog the local data area (LDA) that contains the view to which the GFID is assigned, and then recatalog all programs which use this LDA.

NAT3054: Record buffer too long. DB/Subcode :1:/:2:.

Text	Record buffer too long. DB/Subcode .../....

Explanation	The record buffer for a C3, C5 or ET command was too long. A maximum of 2048 bytes can be written to the checkpoint file. The following subcodes (in hexadecimal) may be indicated. 1 The record buffer for the C3 command is too long. 2 The record buffer for the C5 command is too long. 3 The record buffer for the ET command is too long.
Action	Check program and correct error, or contact your database administrator.

NAT3055: Conversion not possible. DB/FNR/Subcode :1:/:2:/:3:.

Text	Conversion not possible. DB/FNR/Subcode .../.../....
Explanation	An attempted format conversion was not possible due to incompatible data formats or other compatibility problems. During a read-type operation, a field defined with the SQL null (NC) option contained a null value, but the format buffer held no "S" (significant null) indicator field. Additions 2 may contain the field name in the leftmost two bytes; the rightmost two bytes may contain the offset into the record buffer.
Action	Correct error in program, or contact your database administrator.

NAT3056: Descriptor value too long. DB/FNR/Subcode :1:/:2:/:3:.

Text	Descriptor value too long. DB/FNR/Subcode .../.../....
Explanation	One of the following occurred: - The descriptor value was too long. - The collation value exceeds the maximum of 253 bytes. The subcode "n" is the collation descriptor exit number.

Action	Check program and correct error.

NAT3057: Invalid descriptor specified in search buffer. DB/FNR :1:/:2:.

Text	Invalid descriptor specified in search buffer. DB/FNR .../....
Explanation	The descriptor specified in the search buffer of the L9 command was invalid.
Action	Check program and correct error.

NAT3058: The format could not be found. DB/FNR :1:/:2:.

Text	The format could not be found. DB/FNR .../....
Explanation	The format - as defined within format selection criteria - could not be found.
Action	Check program and correct error.

NAT3059: Format conversion of a subfield is not possible. DB/FNR :1:/:2:.

Text	Format conversion of a subfield is not possible. DB/FNR .../....
Action	Check program and correct error.

NAT3060: Error in format/search buffer. DB/FNR/Subc/Field :1:/:2:/:3:/:4:.

Text	Error in format/search buffer. DB/FNR/Subc/Field .../.../.../....
Explanation	A syntax error was detected in the format or search buffer. Generally the first two bytes of the Additions 2 field contain the two characters under inspection when the error was detected. For a detailed explanation of the error, see the documentation for the subcode (also in the rightmost two bytes of the Additions 2 field).
Action	Check program and correct error.

NAT3061: Error in search/value buffer. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error in search/value buffer. DB/FNR/Subcode .../.../....
Explanation	The cause of error may be: - The order of elements was invalid. - The specified field was not a descriptor. - An index was missing or invalid. - Invalid connection of partial criteria. - Invalid use of a phonetic descriptor. - The length of a descriptor value was greater than 253. - An invalid file number. - An invalid range specification. See the Adabas documentation for the explanation of the subcode.
Action	Check program and correct error.

NAT3062: Search/value buffer length too short. DB/FNR :1:/:2:.

Text	Search/value buffer length too short. DB/FNR .../....
Explanation	The length of the search buffer and/or value buffer, as specified in the search and value buffer length fields, was too short to accommodate the search criteria specified; or the first character in the search buffer was a "."; or the search buffer does not contain a ".".

Action	Check program and correct error.

NAT3063: CID value specified in search buffer not found. DB/FNR :1:/:2:.

Text	CID value specified in search buffer not found. DB/FNR .../....
Explanation	The CID value specified in the search buffer was not found.
Action	Check program and correct error.

NAT3064: Requested function cannot be performed. DB/FNR/Sub :1:/:2:/:3:.

Text	Requested function cannot be performed. DB/FNR/Sub .../.../....
Explanation	The requested function cannot be performed on Adabas system files.
Action	Refer to the ADAREP output report for a list of the system files.

NAT3065: Internal error. DB/FNR :1:/:2:.

Text	Internal error. DB/FNR .../....
Explanation	An internal error has occurred: the Adabas nucleus has detected an error in space calculation.
Action	Contact your database administrator.

NAT3066: An incompatible owner ID was detected. DB/FNR :1:/:2:.

Text	An incompatible owner ID was detected. DB/FNR .../....
Explanation	An incompatible owner ID was detected during an update operation on a multi-client file. The owner ID may be blank, or too long.
Action	For more information, please refer to the Adabas documentation.

NAT3067: Internal error. DB/FNR/Subcode :1:/:2:/:3:.

Text	Internal error. DB/FNR/Subcode .../.../....
Explanation	An internal error has occurred while an Adabas Sx command was being executed. Or an error occurred during superfield generation.
Action	Retain all related information, and contact technical support.

NAT3068: Incompatible owner ID or non-descriptor search. DB/FNR :1:/:2:.

Text	Incompatible owner ID or non-descriptor search. DB/FNR .../....
Explanation	One of the following has occurred: - An incompatible owner ID was detected during an update operation on a multiclient file. The owner ID may be blank or too long. - A non-descriptor field was used as a search criterion, and the non-descriptor search facility has been set off (the default for this facility is "on").
Action	Check the owner ID of any multiclient file"s update operation. Otherwise, remove non-descriptor searches from your application

NAT3070: Overflow in the table of sequential commands. DB/FNR :1:/:2:.

Text	Overflow in the table of sequential commands. DB/FNR .../....
Explanation	The database administrator may increase the value used for the LQ parameter, and/or RC commands may be used to release elements.
Action	Contact your database administrator.

NAT3071: Overflow in the table of resulting ISN lists. DB/FNR :1:/:2:.

Text	Overflow in the table of resulting ISN lists. DB/FNR .../....
Explanation	The database administrator may increase size of the value used for the LI parameter, and/or RC commands may be used to release elements.
Action	Contact your database administrator.

NAT3072: User queue overflow. DB/FNR/Subcode :1:/:2:/:3:.

Text	User queue overflow. DB/FNR/Subcode .../.../....
Explanation	An overflow occurred in the user queue or the user file list pool.
Action	Ask your database administrator to increase the value used for the NU parameter.

NAT3073: Overflow in WORK dataset for resulting ISN lists. DB/FNR :1:/:2:.

Text	Overflow in WORK dataset for resulting ISN lists. DB/FNR .../....
Explanation	An overflow occurred in the section of the WORK dataset in which resulting ISN lists are stored. The database administrator may increase the size of the WORK dataset, and/or the number of ISN lists saved during an Adabas session may be decreased.
Action	Contact your database administrator.

NAT3074: No space on WORK dataset for complex FIND commands.DB/FNR :1:/:2:

Text	No space on WORK dataset for complex FIND commands.DB/FNR .../....
Explanation	No space was available on the WORK dataset for complex FIND commands. The database administrator may increase the size of the WORK dataset.
Action	Contact your database administrator.

NAT3075: No more ASSO/DATA extents available. DB/FNR :1:/:2:.

Text	No more ASSO/DATA extents available. DB/FNR .../....
Explanation	Attempts to allocate additional logical file extents for a file were issued, but the maximum that can be handled by the FCB has already been allocated. BT or autorestart could cause the file to be locked because of inadequate extent space (see response code 48). For more information, please refer to the Adabas documentation.
Action	Ask the DBA for assistance; Associator or Data Storage extents may have to be reallocated.

NAT3076: Overflow in an inverted list index. DB/FNR :1:/:2:.

Text	Overflow in an inverted list index. DB/FNR .../....
Explanation	An overflow occurred in an inverted list index.
Action	Unload/reload the file with an appropriate padding factor for the associator.

NAT3077: No space for ASSO/DATA extent. DB/FNR/Subcode :1:/:2:/:3:.

Text	No space for ASSO/DATA extent. DB/FNR/Subcode :1:/:2:/:3:.
Explanation	Sufficient space was not available for a required associator or data storage extent. The provided subcodes are described in the Adabas documentation.
Action	Contact your database administrator.

NAT3078: AC file cannot be increased. DB/FNR/Subcode :1:/:2:/:3:.

Text	AC file cannot be increased. DB/FNR/Subcode .../.../....
Explanation	This error may be caused by one of the following: - The AC file cannot be increased; only one file extent is permitted. - The file contains more than 16 MB of ISNs.
Action	Contact your database administrator. If the file has reached the 16-MB limit, you might convert it to a file with the 4-byte ISN option or to an expanded file.

NAT3079: Descriptor exit error occurred. DB/FNR/Subcode :1:/:2:/:3:.

Text	Descriptor exit error occurred. DB/FNR/Subcode .../.../....
Explanation	A collation descriptor exit or hyperexit error occurred. See the Adabas documentation for the explanation of the subcode.
Action	Contact your database administrator.

NAT3081: Mult.-value field/periodic group error. DB/FNR/Sub :1:/:2:/:3:.

Text	Mult.-value field/periodic group error. DB/FNR/Sub .../.../....
Explanation	An error with a multiple-value field (MU) or periodic group (PE) occurred. The subcode (Sub) indicates the cause of the error: 1 The PE index is greater than 191 (if the maximum number of PE field occurrences is 191). 2 The PE index is greater than 65534 (if the maximum number of PE field occurrences is 65534). 3 The MU index is greater than 65534 (if the maximum number of MU field occurrences is 65534). 4 The MU index is greater than 191 (if the maximum number of MU field occurrences is 191).
Action	Correct the MU or PE field problem and try again.

NAT3082: Hyperexit routine returned invalid ISN. DB/FNR :1:/:2:.

Text	Hyperexit routine returned invalid ISN. DB/FNR .../....
Explanation	A hyperexit routine returned an invalid ISN.

Action	Check program and correct error, or contact your database administrator.

NAT3083: Hypertable overflow. DB/FNR :1:/:2:.

Text	Hypertable overflow. DB/FNR .../....
Explanation	A hypertable overflow has occurred.
Action	Contact your database administrator.

NAT3084: Too many values for a sub- or superdescriptor. DB/FNR :1:/:2:.

Text	Too many values for a sub- or superdescriptor. DB/FNR .../....
Explanation	Too many values were present for a subdescriptor or a superdescriptor.
Action	Check program and correct error, or contact your database administrator.

NAT3085: Too many descriptor values for UPDATE/ADD RECORD. DB/FNR :1:/:2:.

Text	Too many descriptor values for UPDATE/ADD RECORD. DB/FNR .../....
Explanation	Too many descriptor values were present for an UDPATE or ADD RECORD command.
Action	Check program and correct error, or contact your database administrator.

NAT3086: Hyperdescriptor exit return error. DB/FNR :1:/:2:.

Text	Hyperdescriptor exit return error. DB/FNR .../....
Explanation	Possible reasons: - An incorrect sign for a packed descriptor value was created. - A value with an incorrect length byte was returned.
Action	Contact your database administrator.

NAT3087: Adabas buffer pool length error. DB/FNR/Subcode :1:/:2:/:3:.

Text	Adabas buffer pool length error. DB/FNR/Subcode .../.../....
Explanation	An Adabas buffer pool of ADASMP multi-processing global buffer pool error has occurred: - the Adabas buffer pool is locked; it is too small to accommodate all blocks needed for (parallel) command execution; - the ADASMP global buffer pool is too small. The ADASMP global buffer pool size, specified by the ADASMP initialization parameter LGBP, must be at least four times as large as the ADARUN LBP parameter for the read/write nucleus. See the Adabas DBA Reference documentation for more information.
Action	Contact your database administrator to increase the LBP or LGBP; then retry the operation. If the error occurs again, contact technical support.

NAT3088: Insufficient Adabas workpool space. DB/FNR/Subcode :1:/:2:/:3:.

Text	Insufficient Adabas workpool space. DB/FNR/Subcode .../.../....
	During the execution of a database command, Adabas has indicated a workpool shortage. The following subcodes may be indicated: 1: Sufficient LWP workpool space was not available. 2: The space or hold queue resources needed to execute the command could not be acquired.

Explanation	4: There are space problems in the workpool during update. Further subcodes are described in the Adabas documentation.
Action	Increase the value of the LWP parameter.

NAT3089: UQE already used. DB/FNR :1:/:2:.

Text	UQE already used. DB/FNR .../....
Explanation	The UQE was already in use, and an attempt was made to execute two commands and the same time for the same user.
Action	Contact your database administrator.

NAT3094: An I/O error occurred on DDWORKR4. DB/FNR :1:/:2:.

Text	An I/O error occurred on DDWORKR4. DB/FNR .../....
Explanation	An I/O error occurred on DDWORKR4.
Action	Contact your database administrator.

NAT3095: An I/O error occurred in the WORK LP area. DB/FNR :1:/:2:.

Text	An I/O error occurred in the WORK LP area. DB/FNR .../....
Action	Contact your database administrator.

NAT3096: Error during repair execution. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error during repair execution. DB/FNR/Subcode .../.../....
Explanation	An error occurred during an ADARES repair execution.
Action	Contact your database administrator.

NAT3097: An I/O error occurred during buffer flush. DB/FNR :1:/:2:.

Text	An I/O error occurred during buffer flush. DB/FNR .../....
Action	Contact your database administrator.

NAT3098: Value to be added already exists. DB/FNR :1:/:2:.

Text	Value to be added already exists. DB/FNR .../....
Explanation	An attempt was made to add to a unique descriptor a value which already exists.
Action	Check program and correct error, or contact your database administrator.

NAT3099: An I/O error occurred. DB/FNR :1:/:2:.

Text	An I/O error occurred. DB/FNR .../....
Action	Contact your database administrator.

43 Natural System Error Messages 3100-3149

NAT3101: Error using Adabas add-on product. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error using Adabas add-on product. DB/FNR/Subcode .../.../....
Explanation	An error has occurred using one of the client-based Adabas add-on products such as Adabas System Coordinator, Adabas Fastpath, Adabas Vista, Adabas Transaction Manager, or Adabas SAF Security. Subcodes 1-20 are generated by Adabas Fastpath. Subcodes 21 and above are generated by Adabas System Coordinator. Please refer to the documentation for the appropriate add-on product for further information on subcodes and console messages that can help you resolve the error.
Action	Proceed as indicated in the respective documentation.

NAT3102: Space calculation error. DB/FNR :1:/:2:.

Text	Space calculation error. DB/FNR .../....
Action	Retry the OPEN operation.

NAT3106: Record buffer specified in CB too small. DB/FNR :1:/:2:.

Text	Record buffer specified in CB too small. DB/FNR .../....
Explanation	The Prefetch record buffer, as specified in the user control block, is too small.
Action	Contact your database administrator.

NAT3107: GETMAIN error or not enough space for Prefetch. DB/FNR :1:/:2:.

Text	GETMAIN error or not enough space for Prefetch. DB/FNR .../....
Explanation	When performing Prefetch, either a GETMAIN error occurred or there was not enough space available. Prefetch is switched off.
Action	Contact your database administrator.

NAT3109: Command ID active on another database. DB/FNR :1:/:2:.

Text	Command ID active on another database. DB/FNR .../....
Explanation	The specified command ID is already active on another database for this user.
Action	For more information, please refer to the Adabas documentation.

NAT3110: The Command ID pool is full. DB/FNR :1:/:2:.

Text	The Command ID pool is full. DB/FNR .../....
Action	Increase the size of either or both the ADARUN NQCID or NU parameters.

NAT3113: The specified ISN was invalid. DB/FNR/Subcode :1:/:2:/:3:.

Text	The specified ISN was invalid. DB/FNR/Subcode .../.../....
Explanation	Possible reasons: - An HI command was issued with an ISN less than MINISN. - An N2 command was issued with an ISN either equal to 0 or greater than the MAXISN in effect for the file. - An N2 command was issued and the specified ISN was assigned to another record in the file. - An A1/A4, L1/L4, E1/E4 or S1/S2/S4 (with FB) command was issued for a non-existent ISN. - Subcode 249 is given only when Adabas Vista is in use. See the Adabas Vista documentation for more information.
Action	Check program and correct error, or contact your database administrator.

NAT3114: DELETE command executed with ISN=0. DB/FNR/Subc :1:/:2:/:3:.

Text	DELETE command executed with ISN=0. DB/FNR/Subc .../.../...
Explanation	A DELETE command (E1) was executed, but the ISN specified is zero. For more information, see the Adabas documentation.
Action	Contact your database administrator.

NAT3123: Error from Adabas cluster service. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error from Adabas cluster service. DB/FNR/Subcode .../.../....
Explanation	An error was reported by the Adabas cluster messaging service on the sender"s side. The message was not sent. One of the following subcodes may be present: 4 No valid destination(s). 8 Too many destinations. 12 Invalid message type. 16 Invalid environment. 20 Send buffer length exceeded. 24 Receive buffer length exceeded. 28 No replies or acknowledgement(s). 32 Unable to allocate AXMCB. 36 Timed out on originating system. 40 Timed out on destination system. Further possible subcodes can be found in the Adabas documentation.
Action	If you are unable to resolve the problem, contact technical support.

NAT3124: Error from Adabas cluster service. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error from Adabas cluster service. DB/FNR/Subcode .../.../....
Explanation	An error was reported by the Adabas cluster messaging service on the receiver"s side. The message was sent. One of the subcodes described for response code 123 may be present.
Action	If you are unable to resolve the problem, contact technical support.

NAT3125: Internal error from one cluster nucleus. DB/FNR :1:/:2:.

Text	Internal error from one cluster nucleus. DB/FNR .../....

Explanation	An internal error occurred when one cluster nucleus attempted to issue an inter-nucleus command to one or more of the other cluster nuclei. This condition usually leads to an abnormal termination. For an explanation of this response code for non-z/OS databases, see the Adabas documentation.
Action	Contact technical support.

NAT3126: Error during inter-nucleus communication. DB/FNR :1:/:2:.

Text	Error during inter-nucleus communication. DB/FNR .../....
Explanation	A messaging error occurred during inter-nucleus communication: - The nucleus did not respond within the allotted time (see the ADARUN MXMSG parameter); or - one or more problems occurred in what could be a broadcast; that is, a communication with multiple targets. In this case, each individual ACB contains either response code 0, 123 or 124.
Action	If you are unable to resolve the problem, contact technical support.

NAT3129: Attempt to perform unsupported function. DB/FNR :1:/:2:.

Text	Attempt to perform unsupported function. DB/FNR .../....
Explanation	In an Adabas cluster environment, the user attempted to perform an Adabas function that is not yet supported by Adabas cluster nuclei.
Action	Do not attempt to perform an unsupported function.

NAT3130: Error in an Adabas cluster environment. DB/FNR/Subc :1:/:2:/:3:.

Text	Error in an Adabas cluster environment. DB/FNR/Subc .../.../....
Explanation	An error indicated by one of the following subcodes occurred in an Adabas cluster environment: 1 A user table entry (UTE/PLXUSER) was not found in the MPM 8 call. 2 A user table entry (UTE/PLXUSER) was not found in the MPM 12 call. 9 The associated PLXUSER(UTE) was unsuitable at command initiation. 10 The associated PLXUSER(UTE) was unsuitable at command completion. For more information, please refer to the Adabas documentation.
Action	Contact technical support.

NAT3131: Replication-related error :4:. DB/FNR/Subc. :1:/:2:/:3:.

Text	Replication-related error .... DB/FNR/Subc. .../.../....
Explanation	During Adabas Event Replicator processing, a response code qualified as shown in the error message was returned. The subcode indicates the reported error condition. See the "Replication Response Codes" section of the Event Replicator documentation.
Action	The appropriate reaction depends on the specific error condition indicated by the response subcode, as given in the documentation.

NAT3132: Error while processing LOB-file. DB/FNR/Subc :1:/:2:/:3:.

Text	Error while processing LOB-file. DB/FNR/Subcode .../.../....
Explanation	An error occurred while Adabas was reading or updating a LOB file. See the Adabas documentation for the explanation of the subcode.

Action	Contact your database administrator.

NAT3133: Replication processing error. DB/FNR/Sub :1:/:2:/:3:.

Text	Replication processing error. DB/FNR/Sub .../.../....
Explanation	An error was detected when an attempt was made to replicate a compressed record. The subcode identifies the kind of error: 1 The function is not permitted for this type of file. The file is an LOB file. 2 The compressed input record length is invalid. 11 The record structure is invalid. 12 An invalid elementary empty field was encountered. The structure does not agree with the FDT definition. 13 An invalid multiple-value field count was encountered. 14 An invalid periodic group count was encountered. 15 An invalid structure of an elementary field was encountered.
Action	Check program and correct error.

NAT3134: Error while creating system fields. DB/FNR/Subc :1:/:2:/:3:.

Text	Error while creating system fields. DB/FNR/Subc .../.../....
Explanation	An error was detected when creating system fields.
Action	Check program and correct error.

NAT3136: Adabas Auditing error. DB/FNR/Sub :1:/:2:/:3:.

Text	Adabas Auditing error. DB/FNR/Sub .../.../....

Explanation	An error was detected when a function was requested of an Adabas Auditing Server or Adabas executing with AUDIT=YES. The subcode identifies the kind of error: 72 DB not defined as auditing server 81 Subscription already active 73 Invalid subfct detected by Adabas 82 Subscription not activated 74 Destination not defined 83 Subscription already inactive 75 Destination already active 84 Subscription not deactivated 76 Data on SLOG, dest not activated 85 Open destination failed 77 Destination not activated 86 Destination is not closed 78 Destination already inactive 87 Close destination failed 79 Destination not deactivated 88 Destination is not open 80 Subscription not defined
Action	Check function request and correct error.

NAT3143: A requested lock could not be granted. DB/FNR :1:/:2:.

Text	A requested lock could not be granted. DB/FNR .../....
Explanation	A requested lock could not be granted, because a deadlock situation was detected.
Action	Contact your database administrator.

NAT3144: The specified ISN was not in "hold" status. DB/FNR :1:/:2:.

Text	The specified ISN was not in "hold" status. DB/FNR .../....
Explanation	The ISN specified with an UPDATE command was not in "hold" status for the user.
Action	Check program and correct error, or contact your database administrator.

NAT3145: Record not available at present. DB/FNR/Subc :1:/:2:/:3: (:4:).

Text	Record not available at present. DB/FNR/Subc :1:/:2:/:3: (:4:).
Explanation	1. An Adabas call attempted to read a record which was already in hold status for another user for subsequent updating or upgrading the hold status. The origin and the ISN are shown as (JOBNAME/USERID/ETID/ISN). Information about the origin and ISN is available as of Adabas Version 8.2 and the database must be started with an ADARUN INFOBUFFERSIZE parameter greater than "0". 2. The hold queue has overflowed.
Action	See RETRY statement in the Natural documentation. See Adabas documentation for the explanation of subcodes.

NAT3146: Invalid buffer length. DB/FNR/Subcode :1:/:2:/:3:.

Text	Invalid buffer length. DB/FNR/Subcode .../.../....
Explanation	An invalid buffer length was detected by the Adabas interface routine. The subcode identifies the buffer type: Subcode Buffer Type 1 Format buffer 2 Record buffer 3 Search buffer 4 Value buffer 5 ISN buffer 6 User information buffer 7 Performance buffer 8 Multifetch buffer
Action	Contact your database administrator.

NAT3147: ISN invalid: negative or greater than maximum ISN. DB/FNR :1:/:2:

Text	ISN invalid: negative or greater than maximum ISN. DB/FNR .../....
Explanation	The ISN was invalid. The ISN transformation resulted either in a negative ISN or in an ISN which was greater than the maximum ISN permitted for the file.
Action	Contact your database administrator.

NAT3148: Database :1:,Net-Work ID :3: currently not active. Subc :2:.

Text	Database ...,Net-Work ID ... currently not active. Subc ....
Explanation	The database which Natural or a Natural program tried to access was not active or not accessible when the attempt was made. For more information, please refer to the Adabas documentation.
Action	Start the database or contact your database administrator.

NAT3149: Communication error detected. DB/FNR/Subcode :1:/:2:/:3:.

Text	Communication error detected. DB/FNR/Subcode .../.../....
Explanation	A communication error was detected. The Subcode field contains the system service completion code which caused the error response.
Action	Contact your Adabas administrator.

44 Natural System Error Messages 3150-3199

NAT3150: Too many database nuclei used in parallel. DB/FNR :1:/:2:.

Text	Too many database nuclei used in parallel. DB/FNR .../....
Explanation	Too many database nuclei have been used in parallel.
Action	Contact your database administrator.

NAT3151: Command-queue overflow. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Command-queue overflow. DB/FNR/Net-Work ID .../.../....
Explanation	The database administrator may increase the value for the NC parameter, and/or the command may be issued when a lower level of command activity is in effect. If you are using Entire Net-Work, the leftmost 2 bytes of the Additions 2 field (Adabas control block) may also contain the ID of the Entire Net-Work node that issued this response code.

Action	Contact your database administrator.

NAT3152: Internal user buffer too small. DB/FNR :1:/:2:.

Text	Internal user buffer too small. DB/FNR .../....
Explanation	The internal user buffer was not large enough to contain the user buffer areas. The database administrator should increase the value of the LU parameter.
Action	Contact your database administrator.

NAT3153: Previous Adabas call still in process. DB/FNR :1:/:2:.

Text	Previous Adabas call still in process. DB/FNR .../....
Explanation	A "CALL Adabas" was issued by a user while a previous call for the user was still being processed.
Action	Contact your database administrator.

NAT3154: Adabas trigger queue overflows. DB/FNR :1:/:2:.

Text	Adabas trigger queue overflows. DB/FNR .../....
Explanation	A command was rejected because it resulted in an Adabas trigger being fired when the queue was full.
Action	Retry the command, or contact your database administrator.

NAT3155: Pre-command trigger fails. DB/FNR :1:/:2: Name :3:/:4:.

Text	Pre-command trigger fails. DB/FNR .../... Name .../....
Explanation	A command resulted in a pre-command trigger being fired. The triggered procedure returned a non-zero return-code, so the command was not executed. The Name value represents the trigger procedure name, followed by the error code returned by the procedure.
Action	Contact your database administrator.

NAT3156: Post-command trigger fails. DB/FNR :1:/:2: Name :3:/:4:.

Text	Post-command trigger fails. DB/FNR .../... Name .../....
Explanation	A command resulted in a post-command trigger being fired. The triggered procedure returns a non-zero return-code, indicating an unsuccessful execution of the procedure. The Name value represents the trigger procedure name, followed by the error code returned by the procedure.
Action	Contact your database administrator.

NAT3157: Adabas trigger facility disabled. DB/FNR :1:/:2:.

Text	Adabas trigger facility disabled. DB/FNR .../....
Explanation	A command resulted in either a pre- or post-command trigger being fired; however, Adabas triggers have been shut down with the option to reject all commands that result in a trigger being fired.

Action	See the Adabas Nucleus Messages and Codes documentation for more information; contact your database administrator.

NAT3159: Adabas link module :1: missing or invalid.

Text	Adabas link module ... missing or invalid.
Explanation	The Adabas link module specified by profile parameter ADANAME cannot be loaded or is invalid. Either the load library is missing or invalid or the specified module either doesn"t exist or has been linked incorrectly.
Action	If the Adabas link module should be linked to Natural, then check the Natural link job. If it shall be dynamically loaded, check the module name and the load library.

NAT3160: Too many ASSO/DATA blocks active in buffer pool. DB/FNR :1:/:2:.

Text	Too many ASSO/DATA blocks active in buffer pool. DB/FNR .../....
Explanation	Too many Associator and Data Storage blocks were marked as active in the Adabas buffer pool for a single command.
Action	Contact your database administrator.

NAT3161: Invalid RABN chain in header list. DB/FNR :1:/:2:.

Text	Invalid RABN chain in header list. DB/FNR .../....
Explanation	The RABN chain in the header list of the Adabas buffer pool was invalid.

Action	Contact your database administrator.

NAT3162: No space for Adabas buffer pool header blocks. DB/FNR :1:/:2:.

Text	No space for Adabas buffer pool header blocks. DB/FNR .../....
Explanation	No additional space was available for Adabas buffer pool header blocks.
Action	Contact your database administrator.

NAT3163: RABN was already in chain. DB/FNR :1:/:2:.

Text	RABN was already in chain. DB/FNR .../....
Explanation	The RABN to be linked into the RABN header chain was already in the chain.
Action	Contact your database administrator.

NAT3164: Too many work areas allocated for command. DB/FNR :1:/:2:.

Text	Too many work areas allocated for command. DB/FNR .../....
Explanation	Too many work areas are allocated for the command.
Action	Contact your database administrator.

NAT3165: Descriptor :3: invalid or non-existent. DB/FNR :1:/:2:.

Text	Descriptor ... invalid or non-existent. DB/FNR .../....
Explanation	A descriptor name was either invalid or did not exist in the Descriptor Value Table. This error may occur during ADAREC regenerate if - a file was loaded with an incorrect FDT, or - ADAINV was not re-executed following a stop at a SYNP checkpoint.
Action	Check program and correct error, or contact your database administrator. If the problem is not a handling error, run the INDEX option of ADAVFY and contact technical support.

NAT3166: An error was detected in an inverted list index. DB/FNR :1:/:2:.

Text	An error was detected in an inverted list index. DB/FNR .../....
Explanation	The reason for this error may be damage in the associator.
Action	Contact your database administrator.

NAT3167: Field not in coupled file or coupled list invalid. DB/FNR :1:/:2:

Text	Field not in coupled file or coupled list invalid. DB/FNR .../...
Explanation	The field in a coupled file does not exist, or the coupled list is invalid. For an explanation of this response code for non-z/OS databases, see the Adabas documentation.

Action	Check program and correct error, or contact your database administrator.

NAT3168: Internal CID for coupling processing not found. DB/FNR :1:/:2:.

Text	Internal CID for coupling processing not found. DB/FNR .../....
Explanation	An internal command ID required during coupling processing was not found.
Action	Contact your database administrator.

NAT3170: Adabas RABN for the command could not be found. DB/FNR :1:/:2:.

Text	Adabas RABN for the command could not be found. DB/FNR .../....
Explanation	The Adabas RABN required for the command could not be found.
Action	Contact your database administrator.

NAT3171: The constant set used by Adabas not found. DB/FNR :1:/:2:.

Text	The constant set used by Adabas not found. DB/FNR .../....
Action	Contact your database administrator.

NAT3172: ISN less than MINISN or greater than MAXISN. DB/FNR :1:/:2:.

Text	ISN less than MINISN or greater than MAXISN. DB/FNR .../....
Explanation	An ISN was either less than the MINISN setting or greater than the MAXISN setting in effect for the file.
Action	Check program and correct error, or contact your database administrator.

NAT3173: An invalid data storage RABN was detected. DB/FNR :1:/:2:.

Text	An invalid data storage RABN was detected. DB/FNR .../....
Action	Contact your database administrator.

NAT3174: Starting RABN for L2/L5 not in address converter. DB/FNR :1:/:2:.

Text	Starting RABN for L2/L5 not in address converter. DB/FNR .../....
Explanation	The starting data storage RABN for an L2/L5 command was not contained in the address converter for the file.
Action	Check program and correct error, or contact your database administrator.

NAT3175: Index not consistent with Data Storage. DB/FNR :1:/:2:.

Text	Index not consistent with Data Storage. DB/FNR .../....
Explanation	An inconsistency was detected between the index and Data Storage.

Action	Apply the "check" utilities (especially ADAICK and ADAVAL) to the file, and contact technical support.

NAT3176: Error at inverted list processing. DB/FNR/Subc :1:/:2:/:3:.

Text	Error at inverted list processing. DB/FNR/Subc .../.../....
Explanation	Either an inconsistency in an inverted list was detected or an internal error occurred during inverted list processing. For more information, please refer to the Adabas documentation.
Action	Check program and correct error, or contact your database administrator.

NAT3177: Record not found in DATA storage block. DB/FNR/Subc :1:/:2:/:3:.

Text	Record not found in DATA storage block. DB/FNR/Subc .../.../....
Explanation	A record could not be found in the Data Storage block which should have contained it as indicated by the Address Converter.
Action	Contact your database administrator.

NAT3178: Error when updating a field. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error when updating a field. DB/FNR/Subcode .../.../....
Explanation	An internal error occurred when updating a multiple-value field: 1 Inconsistency in descriptor value table (DVT). 2 Inconsistency between the field definition table (FDT) and the internal format buffer. 3 Inconsistency when updating a phonetic descriptor.

Action	Contact your database administrator.

NAT3179: Internal error; identifier not found. DB/FNR :1:/:2:.

Text	Internal error; identifier not found. DB/FNR .../....
Explanation	Internal error; identifier could not be found in Work part 3.
Action	For more information, please refer to the Adabas documentation.

NAT3181: Start of transaction not found on autobackout. DB/FNR :1:/:2:.

Text	Start of transaction not found on autobackout. DB/FNR .../....
Explanation	The start of a transaction could not be found when an "autobackout" was executed.
Action	Check program and correct error, or contact your database administrator.

NAT3182: Necessary ET data was not found in WORK block. DB/FNR :1:/:2:.

Text	Necessary ET data was not found in WORK block. DB/FNR .../....
Explanation	The necessary ET data was not found in the appropriate WORK block.
Action	Correct error or contact your database administrator.

NAT3183: Number for database I/O operation invalid. DB/FNR :1:/:2:.

Text	Number for database I/O operation invalid. DB/FNR .../....
Explanation	An internally assigned number for a database I/O operation was found to be invalid.
Action	Contact your database administrator.

NAT3184: A phonetic field name could not be found. DB/FNR :1:/:2:.

Text	A phonetic field name could not be found. DB/FNR .../....
Action	Check program and correct error, or contact your database administrator.

NAT3185: ADAM field not found in the compressed record. DB/FNR :1:/:2:.

Text	ADAM field not found in the compressed record. DB/FNR .../....
Action	Contact your database administrator.

NAT3196: Referential integrity violated (DB/FNR/sub/con :1:/:2:/:3:/:4:).

Text	Referential integrity violated (DB/FNR/sub/con .../.../.../...).
Explanation	The command has been rejected by Adabas. Referential integrity has been violated. The error message shows the database ID, file number, subcode and constraint name of the violated constraint.

Action	Handle the referential integrity violation; for example, by issuing an appropriate error message.

NAT3197: Pool for unique descriptor values too small.DB/FNR :1:/:2:.

Text	Pool for unique descriptor values too small.DB/FNR .../....
Action	Contact your database administrator.

NAT3198: Value for descriptor :4: already exists. DB/FNR/Subc :1:/:2:/:3:.

Text	Value for descriptor ... already exists. DB/FNR/Subc .../.../....
Explanation	An attempt was made to duplicate a value for a unique descriptor.
Action	Check program and correct error, or contact your database administrator.

NAT3199: Error in inverted list index for field :3:. DB/FNR :1:/:2:.

Text	Error in inverted list index for field .... DB/FNR .../....
Explanation	During an UPDATE operation, an inconsistency was detected in an inverted list index. This response code can also occur if UTYPE=EXU was specified for an ADARES BACKOUT operation that uses the sequential (SIBA) log.
Action	Contact your database administrator.

45 Natural System Error Messages 3200-3249

NAT3200: Security violation. DB/FNR/Subcode :1:/:2:/:3:.

Text	Security violation. DB/FNR/Subcode .../.../....
Explanation	Either an invalid cipher code or an Adabas or Adabas SAF Security security violation was detected. From Adabas SAF Security processing, the command could not satisfy the necessary security checks and may be accompanied by a subcode as follows: 0 A standard user check failed. 1 There is no free user file cache entry for a workstation user. 2 A cross-level security check failed. 3 No security information is available for the command. 4 A time-out occurred during a workstation logon.
Action	Check program and correct error, or contact your database administrator.

NAT3201: The specified password was not found. DB/FNR :1:/:2:.

Text	The specified password was not found. DB/FNR .../....

Action	Check program and correct error, or contact your database administrator.

NAT3202: Incorrect Adabas password for secured file. DB/FNR :1:/:2:.

Text	Incorrect Adabas password for secured file. DB/FNR .../....
Explanation	The specified Adabas password does not allow you to access/update the desired Adabas-secured file. Adabas backs out any open transaction.
Action	Check program and correct error, or contact your database administrator.

NAT3203: User not authorized to access secured file. DB/FNR :1:/:2:.

Text	User not authorized to access secured file. DB/FNR .../....
Explanation	The file to be accessed is protected by Adabas Security. To delete a record from that file, you must provide the correct Adabas password. Adabas backs out any open transaction.
Action	Check program and correct error, or contact your database administrator.

NAT3204: The password pool has overflowed. DB/FNR :1:/:2:.

Text	The password pool has overflowed. DB/FNR .../....
Action	Contact your database administrator.

NAT3207: Logon phase 1 completed for Adabas SAF Security. DB/FNR :1:/:2:.

Text	Logon phase 1 completed for Adabas SAF Security. DB/FNR .../....
Explanation	The Adabas SAF Security completed phase 1 of logon and requested phase 2.
Action	Send a phase-2 logon request to Adabas SAF Security.

NAT3208: Execute a phase 1 logon. DB/FNR :1:/:2:.

Text	Execute a phase 1 logon. DB/FNR .../....
Explanation	As an Adabas SAF Security remote user, you should execute a phase 1 logon. The logon ID and your password are sent to Adabas SAF Security. This response indicates that two-phase logon can continue.
Action	The platform does not have the correct Adabas link routine installed. The response code is intercepted by the workstation Adabas link routine and phase 1 logon is performed.

NAT3209: Adabas SAF Security detected an expired password on the server.

Text	Adabas SAF Security detected an expired password on the server.
Explanation	Adabas SAF Security detected an expired password on the server. The workstation user"s password has expired.
Action	For more information, please refer to the Adabas documentation. Contact your database administrator.

NAT3210: Internal error. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Internal error. DB/FNR/Net-Work ID .../.../....
Explanation	A logical ID is greater than 255.
Action	Contact your database administrator.

NAT3211: Internal error. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Internal error. DB/FNR/Net-Work ID .../.../....
Explanation	An invalid ID table index was detected in the user buffer.
Action	Contact your database administrator.

NAT3212: Invalid I/O buffer for internal Adabas command. DB/FNR :1:/:2:.

Text	Invalid I/O buffer for internal Adabas command. DB/FNR .../....
Explanation	An invalid input/output buffer was encountered for an internal command.
Action	Contact your database administrator.

NAT3213: ID table not found. DB/FNR/Subc/NW-ID :1:/:2:/:3:/:4:.

Text	ID table not found. DB/FNR/Subc/NW-ID .../.../.../....

Explanation	The Adabas installation procedure was not properly executed, especially the Adabas SVC. The subcode describes the reason of the error. If you were running with Entire Net-Work, NW-ID contains the ID of the Entire Net-Work node that issued this response code.
Action	Contact your database administrator.

NAT3214: Internal command issued from ADA V4 ADALINK. DB/FNR :1:/:2:.

Text	Internal command issued from ADA V4 ADALINK. DB/FNR .../....
Action	Contact your database administrator.

NAT3215: Adabas version inconsistency. DB/FNR :1:/:2:.

Text	Adabas version inconsistency. DB/FNR .../....
Explanation	The Adabas interface used by the application program, or the Entire Net-Work version used is not supported by the Adabas nucleus.
Action	Contact your database administrator.

NAT3216: Command rejected. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Command rejected. DB/FNR/Net-Work ID .../.../....
Explanation	The command has been rejected by the Adabas user exit.
Action	Contact your database administrator.

NAT3217: Command rejected. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Command rejected. DB/FNR/Net-Work ID .../.../....
Explanation	The command has been rejected by the Adabas user exit.
Action	Contact your database administrator.

NAT3218: Response code from Link Routine. DB/FNR/Subc :1:/:2:/:3:.

Text	Response code from Link Routine. DB/FNR/Subc .../.../....
Explanation	Response code from the Link Routine. DB/FNR/Subc .../.../.... See the Adabas documentation for the explanation of the subcode.
Action	Contact your database administrator.

NAT3219: Response code from ATM. DB/FNR/Subcode :1:/:2:/:3:.

Text	Response code from ATM. DB/FNR/Subcode .../.../....
Explanation	This response code should only occur when Adabas Transaction Manager is being used. 2 The global transaction does not have the status that allows the call. 3 No transaction ID (XID) entries exist. 4 The "R" and "J" options are not supported; or this is not a global transaction. The transaction ID (XID) either does not exist or cannot be found (for example, when the given XID does not belong to the UQE). 5 The record or value buffer definition may be invalid (for example, the length size may be invalid); or the value buffer content may be invalid (for example, it may not contain a valid transaction ID (XID)). 6 The user is not an update or ET user or is already involved in a global transaction. For further subcodes, see the Adabas documentation

Action	Check program and correct error.

NAT3220: Request rejected by Entire Net-Work. DB/FNR/NW :1:/:2:/:3:.

Text	Request rejected by Entire Net-Work. DB/FNR/NW .../.../....
Explanation	The request was rejected by Entire Net-Work due to a shortage of short term buffers. The message shows the DBID, FNR and Net-Work ID.
Action	For z/OS, increase the region size.

NAT3221: Receiving node intercepted ABEND during SVC 4-call.DB/FNR :1:/:2:

Text	Receiving node intercepted ABEND during SVC 4-call.DB/FNR .../....
Explanation	The receiving node intercepted an abnormal termination during the Adabas SVC 4-call for the command.
Action	Contact your database administrator.

NAT3222: No CQE could be allocated on a relay node. DB/FNR :1:/:2:.

Text	No CQE could be allocated on a relay node. DB/FNR .../....
Explanation	No CQE could be allocated on a relay node (same as Natural error NAT3151 on a receiving node).
Action	Contact your database administrator.

NAT3223: CTCS response code: node loop. DB/FNR :1:/:2:.

Text	CTCS response code: node loop. DB/FNR .../....
Action	Contact your database administrator.

NAT3224: Adabas command timed out by receiving/relay node. DB/FNR :1:/:2:.

Text	Adabas command timed out by receiving/relay node. DB/FNR .../....
Explanation	The Adabas command has been timed out by the receiving/relay node. The request waited for a reply for a longer time period than specified by the REPLYTIM= parameter in either the NODE statement or the SET operator command. The reply may be delayed or lost due to a target malfunction or a connecting link failure. Only the setting ADAMODE=0 of the Natural profile parameter ADAMODE is supported by Entire Net-Work.
Action	Check all connections and correct error, check setting of Natural profile parameter ADAMODE, or contact your database administrator.

NAT3225: Response code from Server. DB/FNR/Subcode :1:/:2:/:3:.

Text	Response code from Server. DB/FNR/Subcode .../.../....
Explanation	A command was issued from a server, such as an Adabas nucleus, to another server, such as Entire Net-Work. DB/FNR/Subcode .../.../.... The command did not complete within the prescribed time period. The issuer proceeds and no longer expects a response to the command.
Action	See the Entire Net-Work documentation for more information on these response codes.

NAT3226: Response code from Entire Net-Work.

Text	Response code from Entire Net-Work.
Explanation	Response code from Entire Net-Work.
Action	See the Entire Net-Work documentation for more information on the meanings and use of these response codes.

NAT3227: Response code from Entire Net-Work.

Text	Response code from Entire Net-Work.
Explanation	Response code from Entire Net-Work.
Action	See the Entire Net-Work documentation for more information on the meanings and use of these response codes.

NAT3228: SVC or database not UES-enabled. DB/FNR/Subcode :1:/:2:/:3:.

Text	SVC or database not UES-enabled. DB/FNR/Subcode .../.../....
Explanation	ADALCO is UES-enabled, but - the SVC is not UES-enabled (the subcode in Additions 2 is x"01"), or - the target database is not UES-enabled (the subcode in Additions 2 is x"02").
Action	Make sure that Adabas and the SVC are at the V712 level and that the database is UES-enabled.

NAT3229: This response code is reserved for Entire Net-Work.

Text	This response code is reserved for Entire Net-Work.
Explanation	This response code is reserved for Entire Net-Work.
Action	See the Entire Net-Work documentation for further information on this response code.

NAT3230: Protocol violation of X/Open XA specification. DB/FNR :1:/:2:.

Text	Protocol violation of X/Open XA specification. DB/FNR .../....
Explanation	The protocol defined by the X/Open XA specification has been violated. This happens, for example, if a user tries to issue an ET call for an XA transaction.
Action	Follow the XA specification.

NAT3231: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3232: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3233: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3234: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.

Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3235: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3236: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3237: Response code from Adabas user exit.

Text	Response code from Adabas user exit.

Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3238: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3239: Response code from Adabas user exit.

Text	Response code from Adabas user exit.
Explanation	This response code is assigned in an Adabas user exit, and its meaning is defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.
Action	Refer to the description of user exits in the Adabas User Exits documentation for more information.

NAT3240: ATM encountered error/response :3:/:4:. DB/FNR :1:/:2:.

Text	ATM encountered error/response .../.... DB/FNR .../....
Explanation	Adabas Transaction Manager (ATM) encountered an error. The ATM error and response code are given in the message.
Action	Check the meaning of the Adabas Transaction Manager error code. If the cause of the problem is not apparent, contact technical support.

NAT3241: ATM received response code :3:. DB/FNR/Subcode :1:/:2:/:4:.

Text	ATM received response code .... DB/FNR/Subcode .../.../....
Explanation	The Adabas Transaction Manager (ATM) received an unexpected Adabas response code. The ATM response code and subcode are given in the message. If the ATM response code has a negative value, take ist complement: this is the response code returned to the proxy by ATM.
Action	Check the meaning of the Adabas response code and subcode. If the cause of the problem is not apparent, contact technical support.

NAT3242: ATM transaction status error :3:. DB/FNR/Subcode :1:/:2:/:4:.

Text	ATM transaction status error .... DB/FNR/Subcode .../.../....
Explanation	The Adabas Transaction Manager (ATM) or the ATM proxy was unable to determine the status of the caller"s transaction. The ATM error code is given in the message.
Action	Check the meaning of the error code, if present. Otherwise, determine the status of the transaction using online services. If the action required is not apparent, contact technical support.

NAT3243: ATM unsolicited syncpoint request. DB/FNR/Subcode :1:/:2:/:3:.

Text	ATM unsolicited syncpoint request. DB/FNR/Subcode .../.../....
Explanation	The Adabas Transaction Manager (ATM) or the client proxy received an unsolicited syncpoint request. The action taken or the status of the global transaction that was open is indicated by the subcode which is described in the Adabas documentation.
Action	Review the TMSYNCMGR and TRNCTL parameters in the ATM parameter module.

NAT3244: Response code returned by Adabas Transaction Manager.

Text	Response code returned by Adabas Transaction Manager.
Explanation	Response code returned by Adabas Transaction Manager.
Action	See the Adabas Transaction Manager documentation for more information.

NAT3245: Response code from COR. DB/FNR/Subcode :1:/:2:/:3:.

Text	Response code from COR. DB/FNR/Subcode .../.../....
Explanation	This response code is issued for communication problems between add-on products that use the system coordinator (COR) interface to Adabas; that is, Adabas Fastpath, Adabas Vista, Adabas SAF Security, and Adabas Transaction Manager. Subcodes: 1 - Internal error. 2 - A required module could not be loaded. This is probably an installation error. For an explanation of this response code for non-z/OS databases, see the Adabas documentation.

Action	For subcode 1, contact technical support. For subcode 2, consult the installation instructions for the add-on product.

NAT3246: Utility communication block (UCB) overflow. DB/FNR :1:/:2:.

Text	Utility communication block (UCB) overflow. DB/FNR .../....
Explanation	Utility communication block (UCB) overflow.
Action	Contact your database administrator.

NAT3247: Correct ID not found in communication block. DB/FNR :1:/:2:.

Text	Correct ID not found in communication block. DB/FNR .../....
Explanation	Correct ID not found in the utility communication block.
Action	Contact your database administrator.

NAT3248: Data-archiving error. DB/FNR/Subcode :1:/:2:/:3:.

Text	Data-archiving error. DB/FNR/Subcode .../.../....
Explanation	This response code is returned by Adabas data-archiving processing. See the Adabas data-archiving documentation for more information.
Action	Check program and correct error.

NAT3249: Response code from Adabas Vista. DB/FNR/Subcode :1:/:2:/:3:.

Text	Response code from Adabas Vista. DB/FNR/Subcode .../.../....
Explanation	See the product documentation for more information.
Action	Proceed as indicated in the documentation.

46 Natural System Error Messages 3250-3299

NAT3250: The ACBX validation failed. DB/FNR/Subcode :1:/:2:/:3:.

Text	The ACBX validation failed. DB/FNR/Subcode .../.../....
Explanation	The ACBX validation failed. Possible subcodes: Subcode Description 1 Unsupported ACBX version. 2 ADACBX provided without UBE. 3 ACBX file number > 65,535. 4 Reserved field not zero. 5 ACBX length incorrect.
Action	Contact your database administrator.

NAT3251: Error in cluster processing. DB/Net-Work ID/Subcode :1:/:3:/:2:.

Text	Error in cluster processing. DB/Net-Work ID/Subcode .../.../....
Explanation	Under certain conditions, the Adabas cluster SVC (SVCCLU) component of ADASVC returns response code 251 in the ACB"s response code field, along with a hexadecimal subcode in the low-order (rightmost) two bytes of the additions 2 field. If the local SVCCLU detects the condition, the subcode will be from 2 to 30. If a remote SVCCLU detects the condition, the subcode will be from 102 to 130. If you are using Entire Net-Work, the leftmost two bytes

	of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code. For an explanation of this response code for non-z/OS databases, see the Adabas documentation.
Action	Contact your Adabas administrator.

NAT3252: Error in Adabas SVC processing. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error in Adabas SVC processing. DB/FNR/Subcode .../.../....
Explanation	A post error occurred during Adabas SVC processing. See the Adabas documentation for the explanation of the subcode.
Action	Contact your database administrator.

NAT3253: Error in buffer processing. DB/FNR/Subcode :1:/:2:/:3:.

Text	Error in buffer processing. DB/FNR/Subcode .../.../....
Explanation	See the Adabas documentation for the explanation of the subcode.
Action	Contact your database administrator.

NAT3254: Error during command completion. DB/FNR/NW/Subc :1:/:2:/:4:/:3:.

Text	Error during command completion. DB/FNR/NW/Subc .../.../.../....
Explanation	A validation error occurred during command completion processing while attempting to return results to the caller. The message shows the DBID, FNR, Net-Work ID and subcode. See the Adabas documentation for the explanation of the subcode.

Action	Contact your database administrator.

NAT3255: Attached buffers exhausted. DB/FNR/Net-Work ID :1:/:2:/:3:.

Text	Attached buffers exhausted. DB/FNR/Net-Work ID .../.../....
Explanation	All attached buffers were allocated at the time the command was processed.
Action	Contact your database administrator.

NAT3275: PROCEDURE name in CALLDBPROC statement must be alpha.

Text	PROCEDURE name in CALLDBPROC statement must be alpha.
Explanation	The PROCEDURE name in the CALLDBPROC statement must have alphanumeric format. Specify either an alphanumeric constant or an alphanumeric variable.
Action	Correct the PROCEDURE name specification in the CALLDBPROC statement.

NAT3276: Result set and SQLCODE variables must have format (I4).

Text	Result set and SQLCODE variables must have format (I4).
Explanation	Result set and SQLCODE variables must have format (I4).
Action	Correct the format definition of the result set and SQLCODE variables.

NAT3277: CALLMODE parameter has to be either Natural or NONE.

Text	CALLMODE parameter has to be either Natural or NONE.
Explanation	The CALLMODE parameter of the CALLDBPROC statement must either be NONE or Natural. If omitted, it is set to NONE.
Action	Correct the CALLMODE specification.

NAT3278: Invalid parameter specified in CALLDBPROC statement.

Text	Invalid parameter specified in CALLDBPROC statement.
Explanation	One of the parameters specified in the CALLDBPROC statement is invalid.
Action	Correct the parameter specification in the CALLDBPROC statement.

NAT3279: The CALLDBPROC statement is invalid.

Text	The CALLDBPROC statement is invalid.
Explanation	The CALLDBPROC statement contains an unexpected keyword.
Action	Correct the CALLDBPROC statement.

NAT3280: :1: occurred in stored procedure :2:.

Text	:1: occurred in stored procedure :2:.
Explanation	The natural error message :1: was issued during the processing of the SQL stored procedure :2:.
Action	Analyze the error and correct stored procedure.

NAT3281: Stored procedure :1: number of parameters differ :2:,:3:.

Text	Stored procedure ... number of parameters differ ...,....
Explanation	The stored procedure control block contains a number of parameters different from the number of parameters passed to the stored procedure. This is an internal error, which "should not occur". The first number is the expected number of parameters, the second number the received parameters.
Action	Contact technical support and provide LISTSQL of program.

NAT3282: Stored procedure :2: got an invalid parameter description.

Text	Stored procedure :2: got an invalid parameter description.
Explanation	The stored procedure :2: received, in its control block, an invalid parameter description. This is an NDB internal error.
Action	Contact technical support.

NAT3283: Stored procedure :1: GETMAIN of DB2SIZE1 failed. RC :2:.

Text	Stored procedure ... GETMAIN of DB2SIZE1 failed. RC ....
Explanation	The GETMAIN of the DB2SIZE1 buffer failed with return code :2. The DB2SIZE1 buffer is used to copy the passed data into the Natural storage area before the stored procedure is invoked. It also contains the Natural internal format description of the passed parameters.
Action	Either increase the Natural thread size or reduce the number of parameters passed to the stored procedure or decrease the amount of data passed to the stored procedure.

NAT3284: Stored procedure :1: misses DB2SIZE1 before return.

Text	Stored procedure ... misses DB2SIZE1 before return.
Explanation	The DB2SIZE1 buffer contains a copy of the parameters passed by the caller. When the stored procedure has modified the data, it copies them back to the DB2SIZE1 buffer and then returns them to the caller. Unfortunately, the buffer disappeared. This is an internal error.
Action	Contact technical support.

NAT3285: Stored procedure :1: FREEMAIN of DB2SIZE1 failed rc :2:.

Text	Stored procedure :1: FREEMAIN of DB2SIZE1 failed rc :2:.
Explanation	The FREEMAIN of the DB2SIZE1 buffer which hold the data passed to the stored procedure failed with return code :2:. This is an internal error.

Action	Contact technical support.

NAT3286: Stored procedure :1: CB version mismatch :2: , :3:.

Text	Stored procedure :1: CB version mismatch :2: , :3:.
Explanation	The stored procedure detected an unexpected control identifier. It expected the identifier :2: but received :3: This indicates a version mismatch between NDB software on the client or caller side and the NDB software on the server side.
Action	Upgrade to matching software levels on both sides.

NAT3287: Duplicate specification of clause in SELECT statement.

Text	Duplicate specification of clause in SELECT statement.
Explanation	One of the following clauses has been specified twice in the SELECT statement: OPTIMIZE FOR clause, ISOLATION clause, FETCH FIRST clause, QUERYNO clause, SKIP LOCKED DATA clause. Each of these clauses may be specified only once.
Action	Remove one of the duplicate clauses.

NAT3288: Invalid column name list of correlation clause.

Text	Invalid column name list of correlation clause.
Explanation	The column name list of the correlation clause has to be enclosed in round brackets and the column names have to be separated by comma. Each column name is a long identifier and has to be unique within the column name list.

Action	Correct the column name list.

NAT3289: Invalid table locator reference in FROM clause.

Text	Invalid table locator reference in FROM clause.
Explanation	A table locator reference has to conform to the following syntax: TABLE (tablelocatorvariable LIKE tablename) The tablelocatorvariable has to be of format I4. The tablename has to be the name of a valid Db2 DDM.
Action	Correct the table locator reference in the FROM clause.

NAT3290: Invalid table function reference in FROM clause.

Text	Invalid table function reference in FROM clause.
Explanation	A table function reference has to conform to the following syntax: TABLE (functionname (expr , ...)) correlationclause Check for matching opening and closing parentheses. Table function references must have a correlation clause. The functionname is a long identifier; it can be qualified by a schemaname, which is a short identifier.
Action	Correct the table function reference in the FROM clause

NAT3291: Invalid CAST expression.

Text	Invalid CAST expression.
Explanation	A CAST expression has to conform to the following syntax: CAST (expression AS datatype) Check the correct setting of parentheses and keywords. The datatype can be either a built-in data type or a distincttype, which is a long identifier that can be qualified by a schema name (short identifier).

Action	Correct the CAST expression.

NAT3292: Invalid value specified as QUERYNO.

Text	Invalid value specified as QUERYNO.
Explanation	The QUERYNO has to be specified as a non-negative integer number.
Action	Specify a non-negative integer number as QUERYNO.

NAT3293: Content of scroll variable is invalid at offset :1:.

Text	Content of scroll variable is invalid at offset ....
Explanation	The content of a scroll variable has to conform to the following rule: <sensitivity> <direction> <integer> - <sensitivity> is optional and can be either INSENSITIVE or SENSITIVE. - <direction> can be one of the following: NEXT, PRIOR, FIRST, LAST, CURRENT, BEFORE, AFTER, RELATIVE, ABSOLUTE. The default is NEXT. - <integer> has to specified if <direction> is RELATIVE or ABSOLUTE. It has to be a integer number, like -5 or 0 or 6. It cannot be specified with any <direction> other than RELATIVE or ABSOLUTE. The specifications of <sensitivity> <direction> <integer> have to be separated from one another by one or more spaces.
Action	Correct the content of the scroll variable.

NAT3294: SENSITIVE STATIC not allowed for READ-ONLY cursors.

Text	SENSITIVE STATIC not allowed for READ-ONLY cursors.

Explanation	SENSITIVE STATIC SCROLLABLE cursors are only allowed if the associated query is not READ-ONLY. Queries are READ-ONLY if they contain UNION, GROUP BY, HAVING, or nested TABLE expressions, and if they are used in a READ RESULT SET statement.
Action	Either change the query, or change to INSENSITIVE STATIC SCROLL cursors.

NAT3295: Conversion of DATE/TIME string :1: failed with error :2:.

Text	Conversion of DATE/TIME string ... failed with error ....
Explanation	The conversion of a Db2 DATE/TIME string failed with the Natural error indicated in this message, because the DATE/TIME string received from Db2 could not be converted to a Natural date/time variable. This could happen if, for example, a date prior to 01.01.1582 stored in Db2 is to be placed into a Natural date variable. This also occurs if a Db2 TIME string is retrieved which is either "00:00 AM" or "24.00.00". See the Natural error code for further information.
Action	Do not use DATE/TIME strings which cannot be handled by Natural.

NAT3296: Limit of successive "not found" conditions exceeded.

Text	Limit of successive "not found" conditions exceeded.
Explanation	The limit of successive "not found" (SQLCODE +100) conditions has been exceeded. This occurs if, within a processing loop involving scrollable cursors, the number of "not found" conditions exceeds its limit. The limit is 5. The processing loop is closed. The counter of successive "not found" conditions is reset when a condition other than "not found" occurs, or when a terminal I/O occurs. The limit check is performed to avoid undesired database loops.

Action	Change program logic to avoid this condition.

NAT3297: NDB :1: conversion failed with FC :2: / RC :3: :4: :5:

Text	NDB :1: conversion failed with FC :2: / RC :3: :4: :5:
Explanation	NDB Stored Procedures encoded with UNICODE using Natural alphanumeric fields (A) receive UTF8 encoded data which have to be converted to EBCDIC. This conversion failed with the specified function and reason code. :4: is the destination length, and :5: is the destination length necessary to fully convert the UTF8 data to EBCDIC.
Action	Contact technical support.

NAT3298: Error during Multifetch: :1:.

Text	Error during Multifetch: ....
Explanation	During creation of the NDB Multifetch buffer (DB2SIZE6) an error has occurred; the error message indicates which kind of error. Usually, this is a getmain error or an internal error.
Action	In the case of a getmain error, either increase the thread size or decrease the multifetch factor specified in the program. In the case of an internal error, contact Natural support.

NAT3299: Rowset positioning requires integer value or variable.

Text	Rowset positioning requires integer value or variable.
Explanation	The Rowset positioning clause requires the specification of an integer value or variable which determines the size (number of rows) of the multi-fetch buffer. The Rowset positioning clause has the following syntax: WITH ROWSET POSITIONING FOR int ROWS where "int" can be an integer numeric constant or a variable of format/length I4.

Action	Correct the Rowset positioning clause accordingly.

47 Natural System Error Messages 3350-3399

NAT3380: NMQ BROWSE failed. Reason: :1:-:2:

Text	NMQ BROWSE failed. Reason: :1:-:2:
Explanation	The reason code is specific to MQ. Refer to IBM MQ documentation for the description of the reason code. To suppress the error message you may include field ERROR-CODE or ERROR-TEXT in the view of MQ-QUEUE.
Action	Correct the program.

NAT3381: NMQ GET failed. Reason: :1:-:2:

Text	NMQ GET failed. Reason: :1:-:2:
Explanation	The reason code is specific to MQ. Refer to IBM MQ documentation for the description of the reason code. To suppress the error message you may include field ERROR-CODE or ERROR-TEXT in the view of MQ-QUEUE.

Action	Correct the program.

NAT3382: NMQ PUT failed. Reason: :1:-:2:

Text	NMQ PUT failed. Reason: :1:-:2:
Explanation	The reason code is specific to MQ. Refer to IBM MQ documentation for the description of the reason code. To suppress the error message you may include field ERROR-CODE or ERROR-TEXT in the view of MQ-QUEUE.
Action	Correct the program.

NAT3391: Error encountered during NMQ processing. Subc :1:.

Text	Error encountered during NMQ processing. Subc :1:.
Explanation	An unexpected internal error occurred in the NMQ component during message processing. The subcode provides details about the specific cause. As a result, The current request cannot be processed further. Possible Causes: 1. NMQ buffer MQBUF is not allocated 2. Invalid Command Code 3. Incorrect Parameter List 4. Link error - NMQTAB module is missing 5. Link error - MQ Stub module is missing 6. SKEY=ON must be set for Com-plete environment
Action	Contact technical support for Subc : 2 and 3 Increase Thread size for Subc : 1 Start Natural session with SKEY=ON for Subc : 6

NAT3392: Attempt to perform unsupported function.

Text	Attempt to perform unsupported function.
Explanation	An attempt was made to perform a function that is not supported by the NMQ component. The supported functions are listed in the MQ-QUEUE DDM and in the documentation of Natural Messaging.
Action	Correct the value of the FUNCTION field in the MQ-QUEUE view used in the PROCESS statement.

NAT3393: Error in format buffer. Subc/Field :1:/:2:.

Text	Error in format buffer. Subc/Field :1:/:2:.
Explanation	An error occurred while processing the format buffer. The format buffer defines the structure and layout of data fields used to access MQ Queue and must be consistent with the expected input/output definitions. The subcode :1: indicates the specific cause of the error. 01 - Unsupported field 02 - Numeric expected, but non-numeric value found 03 - Incorrect or missing field name 04 - Incorrect or missing format 05 - Incorrect format 06 - Incorrect field name The subcode :2: identifies the field in error within the format buffer.
Action	Review the format buffer layout and ensure it aligns with the delivered MQ-QUEUE DDM. Check for missing, extra, or incorrectly defined fields.

NAT3394: Error in Search buffer. Subc/Field :1:/:2:.

Text	Error in Search buffer. Subc/Field :1:/:2:.

Explanation	An error occurred while processing the Search buffer during execution of an MQ-QUEUE operation. The search buffer defines selection criteria for retrieving data and must align with the structure defined in the MQ-QUEUE DDM. The subcode :1: indicates the specific cause of the error. Possible Causes: 1. Field name not found 2. Field length is not numeric 3. Field name is missing 4. Field format already specified 5. Incorrect Field format 6. Incorrect Field name 7. Value-operator already specified 8. Field length already specified 9. Field name is missing The subcode :2: identifies the field in error within the search buffer.
Action	Review the search buffer definition and ensure it matches the expected structure defined in the MQ-QUEUE DDM.

NAT3395: Record buffer too small. Subc :1:.

Text	Record buffer too small. Subc :1:.
Explanation	The record buffer is too small to hold all values retrieved from the MQ queue.
Action	Check the program and correct the error. Alternatively, recatalog the Local Data Area(LDA) that contain the MQ-QUEUE view, and then recatalog all programs that reference this LDA.

NAT3396: Error while processing value buffer. Subc/Field :1:/:2:.

Text	Error while processing value buffer. Subc/Field :1:/:2:.
Explanation	An error occurred while processing the value buffer. The subcode :1: indicates the specific cause of the error. Possible Causes: 1. A P format field contains a value that is not in packed decimal format 2. A U format field contains a value that is not in unpacked decimal format 3. Value buffer is corrupted. The subcode :2: identifies the field in error within the search buffer.

Action	Contact technical support for Subc : 3. For others, Check the program and correct the error.

NAT3397: GETMAIN for MQBUF failed.

Text	GETMAIN for MQBUF failed.
Explanation	During execution of NMQ component, a GETMAIN request for the required buffer area (MQBUF) failed. This is likely due to insufficient free storage or because the thread size is too small.
Action	Reduce Natural"s total area size allocations or increase the region/ thread size.

48 Natural System Error Messages 3400-3449

NAT3400: No :1: database handler available.

Text	No ... database handler available.
Explanation	A specific database handler is assigned to handle the database. However, the database handler requested is not available. Possible reason are: - the database handler module isn"t linked to Natural - the session profile parameter for the buffer size of the database handler is zero - an error occurred during initialization of the database handler - the wrong database handler has been specified for the database, either by macro NTDB in the parameter module or by the DB parameter
Action	Depends on the reason of the error. If an initialization error had occurred, check the session initialization error messages.

NAT3401: NAT object STOWed for :1: but executed under :2:.

Text	NAT object STOWed for ... but executed under ....

Explanation	The DBID used when stowing the Natural object is assigned to database type .1. but at runtime this DBID is assigned to database type .2.
Action	The DBID used at stow time and at runtime must be assigned to the same database type. This can be done with the profile parameter DB or with NTDB in NATPARM.

NAT3402: Unknown DB response code :4:. DB/FNR/Subcode :1:/:2:/:3:.

Text	Unknown DB response code .... DB/FNR/Subcode .../.../....
Explanation	An unknown response code was received from the Adabas interface.
Action	Check program and correct error.

NAT3403: ADAMODE was changed from :1: to :2:.

Text	ADAMODE was changed from :1: to :2:.
Explanation	Natural was started with ADAMODE=:1:. This mode is not supported by the database, or Natural could not allocate the resources required to execute in this mode. Natural has switched automatically to ADAMODE=:2:. The original error message, the technical reason, was issued prior to this message, and can be viewed with the LASTMSG command.
Action	Contact your Natural/Adabas administrator.

NAT3410: No Natural ICU handler available.

Text	No Natural ICU handler available.
Explanation	The Natural ICU handler is not available. Possible reasons are: - The ICU handler module is not linked to Natural or cannot be loaded. - The session profile parameter CFICU is set to OFF. - An error occurred during the initialization of the Natural ICU.
Action	Depends on the reason of the error. If an initialization error has occurred, check the session initialization error messages.

NAT3411: Code page :1: not available.

Text	Code page ... not available.
Explanation	ICU (International Components for Unicode) is the engine to support code pages and Unicode in Natural. Code pages are defined in ICU in a data file that is linked to the nucleus or loaded dynamically. If the code page is not available, it is not part of the data file used.
Action	Please contact technical support.

NAT3412: Internal error from ICU: :1:.

Text	Internal error from ICU: ....
Explanation	ICU (International Components for Unicode) is the engine to support code pages and Unicode in Natural. Possible reasons for internal errors of ICU are: - memory allocation errors, - internal program errors, - corrupted definition files of converters, - missing resources in data files.

Action	Please contact technical support.

NAT3413: Conversion error, at least 1 code point not translated. H":1:"

Text	Conversion error, at least 1 code point not translated. H".."
Explanation	If, during Unicode conversion or the conversion from one code page to another, a code point or character cannot be converted to the desired destination code page, a code-page-specific substitution character is used instead. The generation of this message depends on the CPCVERR=ON/OFF option in the SET GLOBALS statement. The first failed code point of the source string is displayed in hexadecimal format at the end of the message.
Action	Check the content of the input/target field of the conversion.

NAT3414: ICU STEPLIB DSN :1: cannot be loaded.

Text	SAGICU STEPLIB DSN ... cannot be loaded.
Explanation	The value of the STEPLIB parameter gives the name of the load dataset that contains the SAGICU data items. This dataset will be loaded dynamically at session start. Possible reasons: - The dataset to be loaded dynamically does not exist. - Validation of the dataset name has failed. The dataset naming rules by IBM state the following: A dataset name consists of one or more parts connected by periods. Each part is called a qualifier. Each qualifier must begin with an alphabetic character (A to Z) or the special character @, #, or $. The remaining characters in each qualifier can be alphabetic, special, or numeric (0 to 9) characters. Each qualifier must be 1-8 characters in length. The maximum length of a complete dataset name is 44 characters, including the periods.

Action	The dataset specified by CFICU=(STEPLIB=xxx) contains the data items (dataset members) for SAGICU - code pages, brake iterators, etc. See the Natural documentation for the parameter CFICU.

NAT3415: Conversion result is truncated.

Text	Conversion result is truncated.
Explanation	During Unicode conversion or the conversion from one code page to another, the result in the target field has been truncated.
Action	Check the length of the target field.

NAT3416: Length/format of operand is incompatible with code page.

Text	Length/format of operand is incompatible with code page.
Explanation	For a Unicode conversion, or a conversion from one code page to another, the format and length of source/target fields must be compatible with the corresponding code page. Example 1: The source/target field is defined as (Bn), but the value of <minimum bytes per code point> of the relevant code page is > n; this means that not even one code point could be stored in the field. Example 2: For many code points, the minimum and maximum bytes per code point are identical. Before the conversion, it is checked whether the code points fit into the defined length. If they do not, this message is issued. This is to avoid the truncation of code point values.
Action	Check the lengths of the source and target operands.

NAT3417: The used code page name is ambiguous in this context.

Text	The used code page name is ambiguous in this context.
Explanation	The target code page specified in MOVE ENCODED statement must be unambiguous. However, specifying "UTF-16" or "UTF-32" does not uniquely identify a target code page.
Action	Instead of "UTF-16" and "UTF-32", specify "UTF-16BE" or "UTF-16LE", and "UTF-32BE" or "UTF-32LE" respectively.

NAT3418: ICU Data Library :1: cannot be loaded (:2:).

Text	ICU Data Library ... cannot be loaded (...).
Explanation	The data library is treated like an external program. The specified external data library could be neither loaded dynamically nor located statically. See the supplied operating-system/TP-monitor return code of the failing LOAD request for details. Possible reasons: - The data library to be loaded dynamically is not contained in the load libraries currently defined to Natural. - Under CICS: The data library is not defined to CICS. - There was not enough storage available to load the data library dynamically (under Com-plete: the Com-plete thread was too small). - The CDYNAM limit for dynamically loaded programs was exceeded. - The DATFILE version is not compatible with SAGICU (reason 80). - For static data library: The data library is not defined in NATPARM with the CSTATIC parameter or not linked to the NATPARM module.
Action	Make sure that the data library is contained in a library available to or linked to Natural. Contact your Natural administrator concerning the setting of the Natural profile parameters CDYNAM and CSTATIC.

NAT3419: Local ICU buffer pool cannot be used. RC=:1:

Text	Local ICU buffer pool cannot be used. RC=...
Explanation	The message is displayed at session start if the local ICU buffer pool cannot be used. The reason code (RC) indicates the reason for this message: RC=1 - Local ICU buffer pool is not available. RC=2 - Local ICU buffer pool is too small. RC=3 - Local ICU buffer pool is already used by a different ICU nucleus. If CFICU subparameter BPONLY=ON, the message leads to a termination of the ICU initialization with the consequence that no ICU handler is available for the current Natural session. If CFICU subparameter BPONLY=OFF, the required buffers are allocated in the Natural thread.
Action	Make the local ICU buffer pool available, or increase its size.

NAT3423: Maximum line length exceeded in line :1:.

Text	Maximum line length exceeded in line ....
Explanation	The source area has Unicode UTF-16 format. When you save a source, it is converted from UTF-16 to the source encoding, which can change the size (in code points) of a character. This error occurs because the current source contains a line which, after the conversion, exceeds the maximum line length.
Action	Either split the line or choose another encoding for saving the source.

49 Natural System Error Messages 3500-3549

NAT3500: FCT definition for :1: incomplete; :2: missing.

Text	FCT definition for ... incomplete; ... missing.
Explanation	Natural for VSAM requires information from the CICS file control table to generate a CICS command; however, this information is missing.
Action	Contact your CICS administrator.

NAT3501: Internal Natural VSAM error, module :1: .

Text	Internal Natural VSAM error, module ... .
Explanation	An internal error condition has occurred.
Action	Contact technical support.

NAT3503: Internal Natural :1: error.

Text	Internal Natural ... error.
Explanation	Record buffer too small.
Action	Contact technical support.

NAT3504: File :1:, ENABLESTATUS/RESP :2:, RESP2 :3:.

Text	File ..., ENABLESTATUS/RESP ..., RESP2 ....
Explanation	Request could not be satisfied due to ENABLESTATUS problem. If the parameters ENADIS/ENAUNE in the macro NTVSAM of the Natural parameter module are set to "OFF", the ENABLESTATUS is indicated in the error message. If the parameters ENADIS/ENAUNE are set to "ON", Natural VSAM has issued an EXEC CICS SET ENABLED command; this command failed, and CICS has returned response codes as indicated in the error message.
Action	Contact your CICS administrator.

NAT3505: Loop reposition error occurred during ROLL-IN processing.

Text	Loop reposition error occurred during ROLL-IN processing.
Explanation	For the native AIX processing, a current base key cannot be found for a loop repositioning. Either the alternate indexes were destroyed or the record for this base key was deleted or changed by another user.
Action	Contact your Natural administrator.

NAT3506: Statement invalid for Natural VSAM.

Text	Statement invalid for Natural VSAM.
Explanation	This statement is not allowed for this type of VSAM dataset (for example, READ PHYSICAL for a KSDS type).
Action	Correct error in program.

NAT3507: USR0100N error: :1:.

Text	USR0100N error: ....
Explanation	The program that invokes the user exit USR0100N contains an error.
Action	Correct error in invoking program.

NAT3508: Logical key length is too big.

Text	Logical key length is too big.
Explanation	The sum of the logical key and prefix lengths, defined in the corresponding DDM, is greater than the maximum VSAM key length.
Action	Correct error in DDM/program.

NAT3509: Complex search criteria not allowed for Natural VSAM.

Text	Complex search criteria not allowed for Natural VSAM.
Explanation	Connecting search criteria and coupling of files is not possible for VSAM files. See the Natural documentation, FIND statement, for valid search criteria.
Action	Correct error in program.

NAT3510: Invalid operator in FIND statement for Natural VSAM.

Text	Invalid operator in FIND statement for Natural VSAM.
Explanation	The FIND statement contains an invalid search criterion for VSAM files.
Action	Correct error in program.

NAT3511: Invalid search buffer.

Text	Invalid search buffer.
Explanation	Either the DDM was changed between cataloging and execution of the program, or the FIND statement contains a clause not applicable to VSAM.
Action	Contact your Natural administrator; or correct error in program.

NAT3512: File :1: is not defined as path.

Text	File ... is not defined as path.
Explanation	The NTVSAM parameter PATH=ON is specified for this session, but the file is not a path for an alternate index.
Action	Contact your system administrator.

NAT3513: Not enough storage for Natural VSAM in table :1:.

Text	Not enough storage for Natural VSAM in table ....
Explanation	One of the Natural for VSAM internal tables, defined as fixed buffer type, is too small. The eye-catcher of the internal table which is too small is indicated in the variable.
Action	Use the Buffer Usage Statistics function of the SYSTP utility to ascertain which parameter has to be adjusted in the NTVSAM macro.

NAT3514: Record to be updated is not in "hold" status.

Text	Record to be updated is not in "hold" status.
Explanation	An UPDATE statement was issued for a record which was not in "hold" status. This may be caused, for example, by the UPDATE statement referring to a FIND FIRST statement which found nothing.
Action	Correct program or provide other search criteria.

NAT3515: UPD table is full.

Text	UPD table is full.
Explanation	A record has been read for update. Natural for VSAM tried to save the appropriate fields in its UPD table, but received a response indicating that the UPD table was not large enough to contain the fields.
Action	Contact your Natural administrator to increase UPDL size in NTVSAM macro; or change program to reduce the amount of data held per transaction.

NAT3516: File: :1: Cmd: :2: Cond: :3: Rc: :4:.

Text	File: ... Cmd: ... Cond: ... Rc: ....
Explanation	Natural for VSAM received an unexpected response from CICS. File: Name of involved dataset taken from DDM. Cmd: Mnemonic of CICS command issued by Natural for VSAM. Cond: Mnemonic of CICS condition. Rc: VSAM return code and error code taken from EIB (if provided by CICS).
Action	See IBM"s CICS and VSAM documentation for further information.

NAT3517: UPDATE loop for path :1: to ESDS file :2: not supported.

Text	UPDATE loop for path ... to ESDS file ... not supported.
Explanation	CICS only supports path access to an ESDS file with restricted options. The related RBA for the ESDS base record is not returned from the READNEXT/READPREV path call by CICS, and an UPDATE is therefore not possible.

Action	In this case, use native AIX file processing.

NAT3518: Error in format buffer for Natural VSAM.

Text	Error in format buffer for Natural VSAM.
Explanation	The DDM was changed between cataloging and executing the Natural program.
Action	Contact your Natural administrator.

NAT3519: Error in format buffer for INSERT, base key omitted.

Text	Error in format buffer for INSERT, base key omitted.
Explanation	The base key was not specified for a KSDS file in the STORE statement.
Action	Correct error in program.

NAT3520: Held VSAM record modified by another transaction.

Text	Held VSAM record modified by another transaction.
Explanation	The record held by a previous READ/FIND for UPDATE was modified by another transaction.
Action	Check your application"s handling of concurrency control problems; or issue the RETRY statement in an ON ERROR clause to ignore the error situation.

NAT3521: Direction changed for an active READ in variable sequence.

Text	Direction changed for an active READ in variable sequence.
Explanation	For an active READ loop, the ascending/descending direction was changed to descending/ascending sequence.
Action	Correct error in program.

NAT3522: DD/DLBL name for file :1: is not defined in the JCL stream.

Text	DD/DLBL name for file ... is not defined in the JCL stream.
Explanation	The NTVSAM parameter PATH=CHECK is specified and the file is not defined in the system (no FCT entry for CICS, no UFILE entry for Com-plete, or no JCL card for any other environment).
Action	Contact your system administrator.

NAT3523: Insertion of :1: "LA" record without "LB" field.

Text	Insertion of ... "LA" record without "LB" field.
Explanation	Insertion of LA record into system file with LB field having been omitted (internal error).
Action	Contact your Natural administrator. If necessary, contact technical support.

NAT3524: Maximum VSAM record length exceeded at insertion/update.

Text	Maximum VSAM record length exceeded at insertion/update.
Explanation	Insertion/updating was requested for a record which is longer than the permitted maximum; or an attempt was made to increase the length of a "fixed length" record.
Action	Check record-length definition in VSAM cluster and in the DDM.

NAT3525: OPEN utility is active, specify OPSUPP=ON in NVSPARM.

Text	OPEN utility is active, specify OPSUPP=ON in NTVSAM macro.
Explanation	The user exit USR2008P is active, but the NTVSAM parameter OPSUPP=OFF is specified.
Action	Contact your Natural administrator.

NAT3526: Read on :1: "LB" subfile with other "DE" specified.

Text	Read on ... "LB" subfile with other "DE" specified.
Explanation	This is an internal Natural for VSAM error.
Action	Contact your Natural administrator. If necessary, contact technical support.

NAT3527: DDM VSAM file organization and VSAM type are not compatible.

Text	DDM VSAM file organization and VSAM type are not compatible.
Explanation	Either the DDM VSAM file organization is "extended" and the actual VSAM file is not of extended format, or vice versa.
Action	Correct the combination of the DDM VSAM file organization and the VSAM file format.

NAT3528: Specified :1: "DE" is not a secondary one.

Text	Specified ... "DE" is not a secondary one.
Action	Check program and correct error.

NAT3529: Field in HISTOGRAM must be a descriptor.

Text	Field in HISTOGRAM must be a descriptor.
Explanation	See the Natural documentation for valid HISTOGRAM syntax.
Action	Correct error in program.

NAT3530: UPD=OFF not allowed for Natural :1: :2:.

Text	UPD=OFF not allowed for Natural ... .
Explanation	Inconsistency between DDM and NTVSAM macro. If the parameter UPD=OFF is set in the NTVSAM macro, logical files are not supported.

Action	Change DDM or NTVSAM macro.

NAT3531: No entry found with given command ID for Natural :1:.

Text	No entry found with given command ID for Natural ....
Explanation	This is an internal error.
Action	Contact your Natural administrator.

NAT3532: File :1: not known to CICS.

Text	File ... not known to CICS.
Explanation	CICS returned a DSIDERR condition upon Natural for VSAM"s INQUIRE command.
Action	Contact your CICS administrator.

NAT3533: File :1:, VSAM record deleted from another terminal.

Text	File ..., VSAM record deleted from another terminal.
Explanation	While UPDATE waited for a response, another terminal or batch user deleted the record in question; or the alternate index is destroyed.
Action	Check your application logic or the file structure.

NAT3534: Duplicate VSAM record in file :1:.

Text	Duplicate VSAM record in file ....
Explanation	An attempt was made to write a duplicate record to a unique-key VSAM dataset.
Action	Correct error in program.

NAT3535: A Natural :1: end-of-file condition has occurred.

Text	A Natural ... end-of-file condition has occurred.
Action	Contact your Natural administrator.

NAT3536: :1: error, feedback code :2:, file :3:.

Text	... error, feedback code ..., file ....
Action	See IBM documentation for explanation of feedback code (RPLERRCD).

NAT3537: :1: failed, return/reason code :2:/:3:.

Text	... failed, return/reason code .../....
Explanation	Natural for VSAM needed a temporary storage area outside VSIZE (for example, as I/O area); the appropriate GETMAIN or FREEMAIN request failed. The return code comes from NATGETM ,the reason code from the system.

Action	Increase available storage.

NAT3538: Response from CICS: INVREQ.

Text	Response from CICS: INVREQ.
Explanation	The statement is not allowed according to the dataset entry specification in the CICS File Control Table (FCT). If the Natural session runs with DU=ON, a NV63 ABEND with a transaction dump is forced in instead of NAT3538.
Action	Use CEDF to examine the cause of this problem, or start your session with DU=ON and analyze the trace table in the dump.

NAT3539: File :1: not :2:, :3:.

Text	File ... not ..., ...
Explanation	Open/close error. If available to Natural for VSAM, the original return code is indicated in the error message. For an explanation of the return code, see the corresponding IBM documentation.
Action	Contact your Natural administrator.

NAT3540: No more space in VSAM file :1:.

Text	No more space in VSAM file ....
Explanation	The VSAM file must be reorganized.

Action	Contact your Natural administrator.

NAT3541: File :1:, control interval/record held by another user.

Text	File ..., control interval/record held by another user.
Action	Check your application"s transaction logic or issue a RETRY in an ON ERROR clause to ignore the error condition.

NAT3542: File :1:, primary key must not be modified.

Text	File ..., primary key must not be modified.
Explanation	You are not allowed to modify the primary key area.
Action	Correct error in program.

NAT3543: File :1: invalid record length or length defined as fixed.

Text	File ... invalid record length or length defined as fixed.
Explanation	The length of a record exceeds the maximum record size or is shorter than the minimum record size. For an AIX file, the record length was not sufficient to contain the new alternate index key pointer.
Action	Check DDM and VSAM file definitions. If the file is a member of an UPGRADE set, increase the max. CI size or enlarge the file.

NAT3544: END of TRANSACTION not successful, RC: :1:.

Text	END of TRANSACTION not successful, RC: ....
Explanation	Under CICS, this error may be caused, for example, by a failure in the synchronization of remote systems. In DFSMStvs, a program or environmental error has occurred, or the Resource Recovery Service (RRS) is not available.
Action	Under CICS, use CEDF to determine the cause of this error. In DFSMStvs, refer to the IBM documentation on Callable RRS.

NAT3545: BACKOUT TRANSACTION not successful, RC: :1:.

Text	BACKOUT TRANSACTION not successful, RC: ....
Explanation	Under CICS, this error may be caused, for example, by a failure in the synchronization of remote systems. In DFSMStvs, a program or environmental error has occurred, or the Resource Recovery Service (RRS) is not available.
Action	Under CICS, use CEDF to determine the cause of this error. In DFSMStvs, refer to the IBM documentation on Callable RRS.

NAT3546: File :1: opened for input, :2: not allowed.

Text	File ... opened for input, ... not allowed.
Action	Either set the OPRB parameter to "O" (for output) for this database, or omit the OPRB parameter. Check the NTDB setting in the Natural parameter module.

NAT3547: Overflow of FCT table.

Text	Overflow of FCT table.
Explanation	Natural for VSAM"s internal file control table is full.
Action	Increase parameter TAFE in the NTVSAM macro of the Natural parameter module.

NAT3548: Now it is too late for BACKOUT TRANSACTION.

Text	Now it is too late for BACKOUT TRANSACTION.
Explanation	The program contains a design error: it attempts to backout updates which have already been committed. The most likely reason is that a terminal I/O has forced the end of the logical transaction; that is, internally a SYNCPOINT command has already been executed by the TP monitor at the time when the BACKOUT TRANSACTION statement is executed. Nevertheless, Natural VSAM has executed a BACKOUT TRANSACTION. This means that the actual scope of the BACKOUT TRANSACTION is different from the expected one.
Action	Correct error in program.

NAT3549: Working storage for user exit :1: cannot be allocated.

Text	Working storage for user exit ... cannot be allocated.
Explanation	Overflow on Natural internal buffer CFWSIZE.
Action	Contact technical support.

50 Natural System Error Messages 3550-3599

NAT3550: DDM :1: not found in the system file.

Text	DDM ... not found in the system file.
Explanation	Natural for VSAM also uses the DDM at execution; however, at execution time the required DDM was not existent on the current FDIC system file.
Action	Contact your Natural administrator.

NAT3551: DDM :1: is destroyed.

Text	DDM ... is destroyed.
Explanation	The records on FDIC are corrupted.
Action	Contact your Natural administrator.

NAT3552: Duplicate file numbers for physical VSAM DDM not allowed.

Text	Duplicate file numbers for physical VSAM DDM not allowed.
Explanation	The file number for a physical DDM must be unique. Duplicate file numbers are only allowed in the case of user views where the file number must be the same for the user view and the related physical (logical) DDM.
Action	Correct the file number or, in the case of a user view, specify "USERVIEW=Y" in the DDM.

NAT3553: No physical VSAM file with the given file number exists.

Text	No physical VSAM file with the given file number exists.
Explanation	In constructing a logical file, during the CATALOG action you have to specify the file number of the related physical file.
Action	Ensure that the related physical file (DDM) exists.

NAT3554: VSAM file specified for user view does not exist.

Text	VSAM file specified for user view does not exist.
Explanation	The file number used during user view creation must represent an existing physical file.
Action	Use correct file number.

NAT3555: File :1:, no string available.

Text	File ..., no string available.
Explanation	VSAM returned a "no string" condition upon access to the file.
Action	Either change program to maintain fewer current positions in the file, or change file definition / region size to define/allow more strings.

NAT3556: I/O to file :1: issued; exit :2: :3:.

Text	I/O to file ... issued; exit ... .
Explanation	An I/O to a VSAM file was issued. Before or after the I/O, the user-exit program received control and detected an error condition.
Action	Contact your Natural administrator.

NAT3557: GET statement issued for non-existent VSAM record.

Text	GET statement issued for non-existent VSAM record.
Action	Correct error in program.

NAT3558: Com-plete SYSPARM value VSAMRPL exceeded.

Text	Com-plete SYSPARM value VSAMRPL exceeded.
Action	Contact your system administrator.

NAT3559: Reusable file :1: is corrupted, OPRB string is missing.

Text	Reusable file ... is corrupted, OPRB string is missing.
Explanation	The first record is lost for the reusable file. No OPRB string has been specified with option R to open this file in REUSE mode.
Action	Specify an OPRB string with option R for this file.

NAT3560: Corresponding system file TAF not linked.

Text	Corresponding system file TAF not linked.
Explanation	The load module containing the description of the system file being accessed (TAF) has not been linked to the Natural for VSAM interface.
Action	Correct link-edit for Natural for VSAM.

NAT3561: Internal error during system file handling,:1: not found.

Text	Internal error during system file handling,... not found.
Action	Contact technical support.

NAT3562: DD/DLBL name for system file not specified.

Text	DD/DLBL name for system file not specified.
Explanation	An internal Natural error occurred.

Action	Contact technical support.

NAT3563: DD/DLBL name for system file must not exceed 7 characters.

Text	DD/DLBL name for system file must not exceed 7 characters.
Action	Correct setting in Natural parameter module.

NAT3564: This type of system file is not supported.

Text	This type of system file is not supported.
Explanation	You have tried to access a type of system file that is not supported by Natural for VSAM.
Action	Contact your Natural administrator.

NAT3565: Active VSAM system file call, but SFILE=OFF specified.

Text	Active VSAM system file call, but SFILE=OFF specified.
Action	Change the SFILE setting.

NAT3566: This type of system file is not supported.

Text	This type of system file is not supported.
Explanation	You have tried to access a type of system file that is not supported by the Natural for VSAM interface.

Action	Contact your Natural administrator.

NAT3567: ILLOGIC condition when executing command to :1: dataset.

Text	ILLOGIC condition when executing command to ... dataset.
Explanation	An ILLOGIC condition has been detected during execution of a command to a VSAM dataset.
Action	Correct error in program.

NAT3568: Invalid Natural :1: request.

Text	Invalid Natural ... request.
Explanation	The attempted file operation is not supported or permitted according to the DATA SET entry specification in the FCT.
Action	Correct error in program.

NAT3569: :1: is active, module :2: is wrongly assembled.

Text	... is active, module ... is wrongly assembled.
Action	Correctly assemble module ... .

NAT3570: MULTI-PASS is active, update transaction is not allowed.

Text	MULTI-PASS is active, update transaction is not allowed.

NAT3571: Create mode for VSAM LSR-pools, error by :1:, :2: :3:.

Text	Create mode for VSAM LSR-pools, error by ..., ...
Explanation	The response code is returned by the macro, or the logical file name.
Action	Consult the appropriate IBM literature for explanation or contact your administrator or support personnel.

NAT3572: DDM analyzer : level error for field :1:.

Text	DDM analyzer : level error for field ....
Action	Check DDM and correct error.

NAT3573: DDM analyzer: unsupported data type for field :1:.

Text	DDM analyzer: unsupported data type for field ....
Explanation	The corresponding DDM contains unsupported data types for Natural for VSAM (long-alpha, graphical, phonetic or hyper descriptor).
Action	Correct DDM.

NAT3574: VRRDS datasets support up CICS version 5.1.

Text	VRRDS datasets support up CICS version 5.1.
Action	Contact your system administrator.

NAT3575: Source locking is active, but LFILE is missing or invalid.

Text	Source locking is active, but LFILE is missing or invalid.
Explanation	Source locking is activated for VSAM system files, but the required LFILE definition is missing or invalid.
Action	Define a valid LFILE for source locking on VSAM system files.

NAT3576: Session registry is active, but LFILE missing or invalid.

Text	Session registry is active, but LFILE missing or invalid.
Explanation	Session registry is activated for VSAM system files, but the required LFILE definition is missing or invalid.
Action	Define a valid LFILE for Session registry on VSAM system files.

NAT3577: Logical :1: file must be of type KSDS.

Text	Logical ... file must be of type KSDS.
Explanation	A logical file being cataloged with the SYSDDM utility has the attribute "ESDS" or "RRDS", but only "KSDS" is allowed.

Action	Change file organization of VSAM DDM.

NAT3578: File number for related physical :1: file is missing.

Text	File number for related physical ... file is missing.
Explanation	Each logical file must refer to a physical VSAM file.
Action	Check file number.

NAT3579: Illegal OPRB string: :1:.

Text	Illegal OPRB string: ....
Explanation	See the Natural documentation for valid strings for the OPRB parameter.
Action	Invoke Natural again with a valid OPRB string.

NAT3580: Error in VSAM DDM for SUB/SUP definition.

Text	Error in VSAM DDM for SUB/SUP definition.
Action	Check DDM and correct error.

NAT3581: Statement invalid for VSAM :1: dataset.

Text	Statement invalid for VSAM ... dataset.

Explanation	An invalid request has been issued against a VSAM KSDS, ESDS, RRDS or VRDS dataset. See the Natural documentation for valid statements.
Action	Correct error in program.

NAT3582: SLOCK=PRE option not supported on VSAM system files.

Text	SLOCK=PRE option not supported on VSAM system files.
Explanation	Locking on VSAM system files works only with option SLOCK=POST or as NDV locking. The SLOCK=PRE option is refreshed.
Action	Turn off the option SLOCK=PRE.

NAT3583: Statement invalid for :1: RRDS dataset.

Text	Statement invalid for ... RRDS dataset.
Explanation	An invalid statement was issued against a VSAM RRDS dataset. See the Natural documentation for valid statements.
Action	Correct error in program.

NAT3584: File :1:, condition "NOTAUTH", RESP2 :2:.

Text	File ..., condition "NOTAUTH", RESP2 ....
Explanation	CICS returned a "NOTAUTH" condition upon access to the file. RESP2 indicates the RESP2 value as taken from the EIB.

Action	Contact your Natural or CICS administrator.

NAT3585: File :1:, RBA invalid.

Text	File ..., RBA invalid.
Explanation	A READ BY ISN statement was executed with an invalid ISN (RBA).
Action	Correct error in program.

NAT3586: File :1:, invalid RRN for an RRDS/VRDS dataset.

Text	File ..., invalid RRN for an RRDS/VRDS dataset.
Explanation	An attempt was made to access an RRDS/VRDS VSAM dataset with an invalid relative record number (RRN).
Action	Correct error in program.

NAT3587: Implicit VSAM GETMAIN failed.

Text	Implicit VSAM GETMAIN failed.
Explanation	VSAM returned a "GETMAIN failed" feedback code.
Action	Increase the size of the partition/region/task.

NAT3588: Use only K, E, R (file org); Y, N (compress); F, C (zone).

Text	Use only K, E, R (file org); Y, N (compress); F, C (zone).
Explanation	Allowed values are: K - KSDS E - ESDS R - RRDS Y, N - compress (yes, no) F, C - zoned with OF or OC
Action	Enter correct value.

NAT3589: Incompatible version of :1: system file.

Text	Incompatible version of ... system file.
Explanation	The system file is of an older version.
Action	Use the correct system file version.

NAT3590: Module :1: is missing in link-edit.

Text	Module ... is missing in link-edit.
Explanation	A module is missing in the link-edit of the Natural nucleus.
Action	Include the module in the link-edit.

NAT3591: GETMAIN for :1: failed; return code :2:.

Text	GETMAIN for ... failed; return code ....
Explanation	Natural for VSAM is not able to allocate its internal tables. return code = 4 : not enough storage return code > 4 : internal error
Action	If return code = 4, increase size of thread/region/partition/task; otherwise contact technical support.

NAT3592: :1: too small for :2:.

Text	... too small for ....
Explanation	A Natural for VSAM table is too large to fit into the VSIZE buffer.
Action	Either reduce size of table, or increase VSIZE.

NAT3593: Version does not fit in Natural VSAM link-edit.

Text	Version does not fit in Natural VSAM link-edit.
Explanation	The modules included in the Natural link-edit must be of the same version.
Action	Check Natural nucleus and/or NTVSAM macro.

NAT3594: Create mode for VSAM LSR-pools, error by :1:, :2: :3:.

Text	Create mode for VSAM LSR-pools, error by ..., ...
Explanation	The response code is returned by the macro.
Action	Consult the appropriate IBM literature for explanation or Contact your system administrator.

NAT3595: Unsupported operating system or TP system version.

Text	Unsupported operating system or TP system version.
Explanation	Natural for VSAM only supports ESA operating systems and Com-plete Version 5.1 or above.
Action	Install an operating system and/or TP system supported by Natural for VSAM.

NAT3596: No DBID marked as VSAM in NTDB macro.

Text	No DBID marked as VSAM in NTDB macro.
Explanation	Natural for VSAM has been invoked, but in the NTDB macro no database has been reserved for VSAM.
Action	If you do not wish to invoke Natural for VSAM, invoke Natural with VSIZE=0; otherwise correct error in NTDB macro.

NAT3597: Used as WTO message in NVSMISC.

Text	Used as WTO message in NVSMISC.
Explanation	The reason for this failure is explained for the macro BLDVRP.
Action	See IBM documentation "DFSMS Macro Instructions for Data Sets".

NAT3598: Incompatible versions of Natural and Natural for VSAM.

Text	Incompatible versions of Natural and Natural for VSAM.
Explanation	Natural for VSAM Version 4.2 or above can only be used with Natural Version 4.2 or above.
Action	Use a compatible Natural version.

NAT3599: Natural VSAM initialization failed.

Text	Natural VSAM initialization failed.
Explanation	The reason for this failure is explained by the more detailed error message issued together with this error message.
Action	See explanation of detailed message.

51 Natural System Error Messages 3600-3649

NAT3628: Outline editor requires delimiter class D defined in map.

Text	Outline editor requires delimiter class D defined in map.
Explanation	The definition of delimiter class D in a map (see map settings) is a prerequisite for using the outline editor.
Action	Run migration program or define delimiter class D in the map.

52 Natural System Error Messages 3700-3749

NAT3700: Error :1: with SQLSTATE :2: from call to :3:.

Text	Error ... with SQLSTATE ... from call to ....
Explanation	Each non zero SQLCODE is reported with this error message.
Action	Execute the program SQLERR to display the SQLCODE and the related tokens. See the relevant IBM literature for an explanation of the error condition.

NAT3701: Natural SQL interface error with reason code :1:.

Text	Natural SQL interface error with reason code ....
Explanation	Reason codes: nnnn: See corresponding Natural error message number; or one of the following: 100: HOST invalid function code 103: HOST error in GETMAIN 104: HOST error in FREEMAIN 105: HOST error in ENQUEUE 106: HOST error in DEQUEUE 201: REQI ADABAS command not emulated 202: REQI command ID not found 301: PRSS special SQL parse error 302: PRSS negative statement length 303: DB2P special stmt not in NDBIOMO 305: PRSS special SQL parse error 306: PRSS NATCVERT call failed 320: REQI internal save area full 401: SQLP invalid function code 402: SQLP invalid statement ID 403: SQLP invalid statement number 404: SQLP command ID not found 405: SQLP invalid statement CMCD 421: DB2P invalid function code 431: NSQO RDI coding > 254 432: NSQO MVC not found 433: NSQO LA not found

Action	Contact technical support.

NAT3702: Invalid packed field.

Text	Invalid packed field.
Explanation	Fields defined with packed format must be in the form "nn.m". "nn" represents the number of digits before the decimal point, and "m" represents the number of digits after the decimal point. The value of "m" must not exceed 29, and the sum of the values of "nn" and "m" must not exceed 29.
Action	Check program and correct error.

NAT3703: Field modified by another user or row not found.

Text	Field modified by another user or row not found.
Explanation	1) The positioned UPDATE or DELETE command to Db2 checks if the record contents is still identical to what the user had read before. Because of the automatic "COMMIT" issued by IMS TM or CICS pseudo-conversational mode at terminal I/O time, the "hold" status of the record is lost and the record is free to be modified by another user. Natural then cancels the current transaction with this error message. 2) If sensitive dynamic scrollable cursors are used in an IMS TM or CICS pseudo-conversational environment across terminal I/Os, the sensitive dynamic scrollable cursor is implicitly closed upon terminal I/O. NDB re-opens the cursor after terminal I/O and tries to position the cursor to the row which was current before the terminal I/O. The number of re-positional fetches are limited by the parameter RETRYPO in each direction from the position noted before the terminal I/O. The default value of RETRYPO is 10.
Action	1)Retry this operation. 2)For sensitive dynamic scrollable cursors re-execute the program and increase the RETRYPO value if necessary.

NAT3704: Update/repositioning not possible after automatic COMMIT.

Text	Update/repositioning not possible after automatic COMMIT.
Explanation	Natural tries to re-read a given Db2 record after a terminal I/O which has caused IMS TM or CICS in pseudo-conversational mode to issue an automatic COMMIT. This COMMIT loses the current record. The re-reading is only possible if the record can be identified via a unique index and the corresponding fields are all read into the data view. This error occurs also during repositioning of sensitive dynamic scrollable cursors after a terminal I/O if the desired row could not be repositioned due to a missing unique key column.
Action	Update the record before the automatic COMMIT, or add a unique-index field to your data view.

NAT3705: File server error :1: with reason x":2:".

Text	File server error ... with reason x"...".
Explanation	The file server routine returned an error: 01 Global directory full. 02 Local directory full. 03 Global directory inconsistent. 04 Dataset open error. 05 Dataset read error. 06 Dataset write error. 07 ENQUEUE failed. 08 DEQUEUE failed. 10 DB2SIZE parameter invalid. 11 System GETMAIN failed. 12 System FREEMAIN faile. 14 Not enough space in dataset. 15 Logical file not allocated. 16 Logical file already open. 17 Logical file not open. 18 Logical file not closed. 19 Logical file open output on read. 20 Logical file open input on write. 21 Invalid function code. 22 Invalid open mode. 23 Invalid re-read at top of file. 24 Invalid read-back (top of file). 25 Invalid buffer length. 26 User space exceeded. 27 Global space map invalid. 28 Global directory invalid.

Action	Restart Natural and retry the operation. If the problem persists, contact your Natural administrator.

NAT3706: Static program :1: cannot be loaded.

Text	Static program ... cannot be loaded.
Explanation	The static program referenced in the Natural SQL program cannot be loaded for one of the following reasons: - The static program is not contained in the load libraries currently defined to Natural. - There is not enough storage available for dynamic loading of a static program. - The limit for the number of dynamically loadable user programs was exceeded (parameter CDYNAM). - Under Com-plete, the program was neither defined as RESIDENTPAGE nor cataloged via ULIB. - Under Com-plete the thread into which the program is to be loaded is too small. - Under CICS a PPT entry for the program is missing.
Action	Check for the above error situations, or (as a by-pass) recatalog the program to clear the reference to the static program.

NAT3707: Loaded static program does not match Natural program.

Text	Loaded static program does not match Natural program.
Explanation	The static program referenced in the Natural program has been loaded; however, either the static program was not generated for this Natural program, or its time-stamp is different from that of the Natural program.
Action	Replace the static program in the load library with the correct version, or re-generate the static program.

NAT3708: Static program cannot handle current Natural statement.

Text	Static program cannot handle current Natural statement.
Explanation	The loaded static program has no reference to the current Natural statement.
Action	Replace the static program in the load library by the correct version, or re-generate the static program.

NAT3709: Not enough storage for static program.

Text	Not enough storage for static program.
Explanation	The static program needs an area of main memory in which to create the SQLDSECT. The area available, however, was not large enough. This can only happen if errors during the assembly of the static program have been ignored.
Action	Check the assembly of the static program for assembly errors concerning variables in the SQLDSECT.

NAT3710: CICS/Db2 attachment facility is not active.

Text	CICS/Db2 attachment facility is not active.
Explanation	Natural tried to access Db2 via the CICS/Db2 attachment facility, but this facility was not active.
Action	Ask your CICS administrator to start the CICS/Db2 attachment facility.

NAT3711: Now it is too late for BACKOUT TRANSACTION.

Text	Now it is too late for BACKOUT TRANSACTION.
Explanation	The program contains a design error: it attempts to backout updates which have already been committed. A terminal I/O has forced the end of the logical unit of work; nevertheless, the BACKOUT TRANSACTION has been issued. This means that the actual scope of the BACKOUT TRANSACTION is different from the expected one.
Action	Correct error in program.

NAT3712: Natural SQL interface not active.

Text	Natural SQL interface not active.
Explanation	The access to SQL is disabled for one of the following reasons: - The parameter DB2SIZE is set to 0. - During the initialization of Natural, the Natural SQL interface could not be initialized because of a (reported) error.
Action	Correct the error which occurred during the Natural initialization, or specify DB2SIZE > 0.

NAT3713: Function code for DB2SERV must be "D", "E" or "P".

Text	Function code for DB2SERV must be "D", "E" or "P".
Action	Specify valid function code.

NAT3714: Error :1: during :2: processing :3:, reason x":4:".

Text	Error :1: during :2: processing :3:, reason x":4:".
Explanation	Error code :1: occurred during the :2: processing of function :3:, and reason code :4: was returned. :2: is the name of the Db2 interface used, either CAF (call attachment facility) or RRSAF (resource recovery services attachment facility). :4: is the name of the failing function.
Action	See the relevant IBM literature for an explanation of the reason code. If more information is required, activate DSNTRACE.

NAT3715: Error in Com-plete to Db2 connection, reason x":1:".

Text	Error in Com-plete to Db2 connection, reason x"...".
Explanation	An error occurred when Com-plete tried to connect the user to Db2. Reason codes (set by Com-plete): 04 - Db2 interface not defined to Com-plete. 08 - Db2 interface could not be initialized by Com-plete. 12 - No Db2 thread within Com-plete available.
Action	Contact your Com-plete administrator.

NAT3716: ISQL processor not installed.

Text	ISQL processor not installed.
Explanation	During the installation of the Natural SQL interface, the module NDBISQ was not included in the link-edit of the NDB nucleus.

Action	Contact your Natural administrator. Review the installation of the environment-independent NDB nucleus.

NAT3717: Special SQL statement in error.

Text	Special SQL statement in error.
Explanation	The special SQL statement used in the PROCESS SQL command is - syntactically wrong - not supported because of the use of literals
Action	Correct the SQL statement and use Natural variables instead of literals.

NAT3718: Special SQL statement found, not prepared.

Text	Special SQL statement found, not prepared.
Action	Contact technical support.

NAT3719: Statement table overflow.

Text	Statement table overflow.
Explanation	No free DECLARE STATEMENT in the NDBIOMO is available to execute the SQL statement in dynamic mode. This will only happen if all STATEMENTS are actually used by open data base loops.
Action	Contact your Natural administrator. Increase the 2nd parameter in the generation of the NDBIOMO.

NAT3720: Invalid SQL database type encountered during processing.

Text	Invalid SQL database type encountered during processing.
Explanation	The SQL database type encountered does not exist.
Action	Contact your Natural administrator.

NAT3721: Buffer for ISQL processor (DB2SIZE5) could not be allocated.

Text	Buffer for ISQL processor (DB2SIZE5) could not be allocated.
Explanation	The ISQL processor requires an buffer of 8K which is allocated in the Natural thread but the Natural thread is not large enough to hold this buffer.
Action	Contact your Natural administrator. Reduce Natural"s total area size allocations, or increase the Natural thread.

NAT3722: Too many nested database loops.

Text	Too many nested database loops.
Explanation	An overflow occurred in the internal table which maintains the open (=nested) database loops.
Action	Contact your Natural administrator. Increase the MAXLOOP parameter in the NTDB2 macro.

NAT3723: No more space available.

Text	No more space available.
Explanation	During the execution of an SQL statement working storage is GETMAINed outside the Natural thread but there is not enough space available.
Action	Contact your Natural administrator. Increase the region size, or MEMRES (only Com-plete).

NAT3724: Error in ET processing via TP driver, reason x":1:".

Text	Error in ET processing via TP driver, reason x"...".
Explanation	Under CICS and IMS TM, the ET is processed via the corresponding TP driver, but the ET failed. Under IMS TM, the reason is the hexadecimal representation of the DL/I status code. Under CICS, the reason is the hexadecimal representation of the EIBRCODE.
Action	Check the reason against the DL/I or CICS documentation.

NAT3725: ET in message-driven IMS region could not be executed.

Text	ET in message-driven IMS region could not be executed.
Explanation	In a message-driven IMS TM region (MPP or message-oriented BMP) no Natural programmed ET is executed. Depending on the setting of the parameter ETIGN in the NTDB2 macro, the ET is either aborted with this error message, or ignored without any further notification.

Action	Check your program for obsolete ETs.

NAT3726: Error during BT processing via TP driver, reason x":1:".

Text	Error during BT processing via TP driver, reason x"...".
Explanation	Under CICS and IMS TM, the BT is processed via the corresponding TP driver, but the BT failed. Under IMS TM, reason is the hexadecimal representation of the DL/I status code. Under CICS, reason is the hexadecimal representation of the EIBRCODE.
Action	Check the reason against the DL/I or CICS documentation.

NAT3727: Error during ET/BT processing via NDL, reason x":1:".

Text	Error during ET/BT processing via NDL, reason x"...".
Explanation	In the DSNMTV01 environment, ET and BT calls are processed by the e Natural to DL/I interface, but the ET/BT failed. Reason contains the hexadecimal representation of the reported NDL error.
Action	Check reason.

NAT3728: Invalid parameter for GET/SET GA.

Text	Invalid parameter for GET/SET GA.
Action	Contact technical support.

NAT3729: SQL statement "COMMIT" not allowed.

Text	SQL statement "COMMIT" not allowed.
Explanation	The SQL statement "COMMIT" is not allowed with PROCESS SQL.
Action	Use the Natural statement COMMIT or END TRANSACTION.

NAT3730: SQL statement "ROLLBACK" not allowed.

Text	SQL statement "ROLLBACK" not allowed.
Explanation	The SQL statement "ROLLBACK" is not allowed with PROCESS SQL.
Action	Use the Natural statement ROLLBACK or BACKOUT TRANSACTION.

NAT3731: Not enough cursors defined in NDBIOMO.

Text	Not enough cursors defined in NDBIOMO.
Action	Contact technical support.

NAT3732: No :1: in NDBIOMO available.

Text	No ... in NDBIOMO available.
Explanation	During runtime a Natural for Db2 user program requests one of the following features 1) "ALLOCATE CURSOR" (READ RESULT SET statement) 2) "CURSOR with RETURN" (SELECT WITH RETURN STATEMENT) 3) "CURSOR WITH HOLD" (SELECT WITH HOLD statement) but the appropriate Db2-environment parameter was not set correctly during NDBIOMO generation 1) DB2V5 2) DB2V5 3) DB2V23

Action	Generate the NDBIOMO with the first parameter set to DB2V5/DB2V23 or remove the failing statement from the Natural program if you do not have the right Db2 environment.

NAT3733: "CID" already in use.

Text	"CID" already in use.
Action	Contact technical support.

NAT3734: Invalid data type for Natural variable used in PROCESS SQL.

Text	Invalid data type for Natural variable used in PROCESS SQL.
Explanation	Some special SQL statements which cannot be executed in dynamic mode are executed by NDBIOMO in static mode. As all host variables are predefined in the NDBIOMO, the corresponding Natural variables must be of the same data type.
Action	Correct the data type of your Natural variable. The correct definition for the variable can be found in the Db2 documentation.

NAT3735: Invalid data length for Natural variable used in PROCESS SQL.

Text	Invalid data length for Natural variable used in PROCESS SQL.
Explanation	Some special SQL statements which cannot be executed in dynamic mode are executed by NDBIOMO in static mode. As all host variables are predefined in the NDBIOMO, the length of the corresponding Natural variable must be - not longer for input variables (:U:) - not shorter for output variables (:G:)

Action	Correct the data length of your Natural variable The correct length for the variable can be found in the Db2 documentation.

NAT3736: SQL statement in PROCESS SQL is not available in NDBIOMO.

Text	SQL statement in PROCESS SQL is not available in NDBIOMO.
Explanation	The used NDBIOMO in the Natural session was generated with a DB2Vnn version parameter, which does not support the special Db2 SQL statement to be executed.
Action	Generate the NDBIOMO with the necessary DB2Vnn version or do not use the DB2 special statement in the PROCESS SQL.

NAT3737: NAT object STOWed under NDB :1: but executed under :2:.

Text	NAT object STOWed under NDB ... but executed under ....
Explanation	The Natural object was STOWed using the NDB version in .1. but executed in the older version .2.
Action	Re-STOW your Natural program using version .2. .

NAT3738: Natural interface :1: for SQL system :2: not installed.

Text	Natural interface ... for SQL system ... not installed.
Explanation	The Natural interface .1. for the requested SQL system .2. is not installed.

Action	Contact your Natural administrator.

NAT3739: SQLDISCONNECT not allowed while a transaction is open.

Text	SQLDISCONNECT not allowed while a transaction is open.
Explanation	SQLDISCONNECT cannot be executed while a transaction is open.
Action	Issue END TRANSACTION or BACKOUT TRANSACTION before executing SQLDISCONNECT.

NAT3740: Refresh of :1: failed with SQLCODE :2:

Text	Refresh of :1: failed with SQLCODE :2:
Explanation	The refresh of either CURRENT SERVER or CURRENT PACKAGESET or CURRENT SQLID failed with SQLCODE :2: during begin of Db2 Database transaction.
Action	Contact Customer Service.

NAT3741: GETMAIN for dynamic SQL string failed with code X":1:".

Text	GETMAIN for dynamic SQL string failed with code X"...".
Explanation	Natural statement containing text variables failed due to GETMAIN problems during dynamic creation of the SQL string.
Action	Increase DB2SIZE or Natural threadsize or decrease size of SQL string containing text variables in program

NAT3742: Logic error during creation of dynamic SQL string.

Text	Logic error during creation of dynamic SQL string.
Explanation	During creation of the dynamic SQL string built from text variables an internal logical problem occurred.
Action	Contact Customer Service

NAT3743: NDB ROLLIN failure :1:

NAT3744: IF NO RECORDS not allowed in SELECT with SCROLL and GIVING.

Text	IF NO RECORDS not allowed in SELECT with SCROLL and GIVING.
Explanation	IF NO RECORDS FOUND is not allowed in a SELECT statement with SCROLL and GIVING clause. When using SCROLL and GIVING clauses the application requests to act on the returned SQLCODE in the GIVING variable. This causes the NO RECORDS FOUND block never to be executed. Therefore the NO RECORDS FOUND clause is useless and not allowed.
Action	Remove either the NO RECORDS FOUND clause or the GIVING clause from the SQL statement.

NAT3748: Error :1: in Natural for Db2 for zIIP with reason :2:.

Text	Error ... in Natural for Db2 for zIIP with reason ....
Explanation	An error occurred when a SQL statement was being processed using Natural for Db2 for zIIP. See the NDZ started task log and NDZ documentation for more details about the error. Following are error return codes grouped based on request processing. 200 - 299 : Errors occured in NDZ server while processing a SQL request 500 - 549 : Errors occured while processing a static sql request 550 - 599 : Errors occured during connection 600 - 650 : The statement/operation/datatype is not supported in current NDZ version

	700 - 710 : Errors related to processing of LOB files/column processing

NAT3749: NDB tools internal error.

Text	NDB tools internal error.
Action	Contact technical support.

53 Natural System Error Messages 3750-3799

NAT3750: Invalid statement.

Text	Invalid statement.
Explanation	1. The Natural program contains a statement which cannot be executed against a DL/I database, such as STORE ISN, GET ISN, etc. 2. The Natural nucleus issued a request to the Natural DL/I nucleus to execute an invalid Adabas command. Module name: NDPRRR00 Problem Determination: Item 1 (a snap of Adabas control block is provided, trace parameter = (CMD)).
Action	Check program and correct error. If necessary, contact technical support.

NAT3751: Not enough Natural DL/I storage.

Text	Not enough Natural DL/I storage.
Explanation	Natural DL/I could not get the requested entry in the TSA internal table, because the requested storage is too large (or zero). Module name: NDPRBTSA Problem Determination: Item 1 (trace parameter = (REQ,ROU)).

Action	Increase the related TSA parameter SEQNUM in the NDLPARM module. If this error occurs with requested storage = 0, contact technical support.

NAT3752: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred in a work area acquired from the Natural DL/I common area. Module name: NDPSFBBS Problem Determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 10.
Action	Modify the related work area size parameter WORKLGH in NDMCPARM.

NAT3753: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred in a work area acquired from the Natural DL/I common area. Module name: NDPSSBAN Problem determination: Items 1 (a snap of NDDSSLMN control is provided, trace parameter = (SER)), 2, 10.
Action	Modify the related work area size parameter WORKLGH in NDMCPARM.

NAT3754: Invalid secondary index specification.

Text	Invalid secondary index specification.

Explanation	When performing a STORE operation, a field value has been specified for a secondary index field on the current segment. A secondary index is built by DL/I on one or more DL/I fields; to change a secondary-index value, modify the values of these fields. Module name: NDPSFBBS Problem determination: Items 2, 4.
Action	Probably a user error; correct program.

NAT3755: Too many secondary indices have been specified.

Text	Too many secondary indices have been specified.
Explanation	You have attempted to specify more than 4 secondary indices. No more space is available for AIX pointers building the list of SSAs. Module name: NDPSSBAN Problem determination: Items 1 (a snap of the NDDSSLMN control block is is provided, trace parameter = (SER)), 2.
Action	Contact technical support.

NAT3756: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSFBSA Problem determination: Item 1 (a snap of format buffer is provided, trace parameter = (SER)).
Action	Contact technical support.

NAT3757: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSFBCS Problem determination: Items 2, 3, 4, 6.
Action	Contact technical support.

NAT3758: Field to be read cannot be accessed.

Text	Field to be read cannot be accessed.
Explanation	1. Program error: the program refers to a value of a field that is not an I/O field; i.e., the field does not belong to the accessed segment and is not the sequence field of an accessed segment ancestor in the hierarchical path used. 2. The DDM and the corresponding NDB do not match. Module name: NDPSFBKF Problem determination: Items 2, 3, 6, 8.
Action	1. Refer to the field correctly: the program may reference it with an OBTAIN, ASSIGN or MOVE statement. 2. Check the DDM against the NDB, field short names in particular.

NAT3759: Invalid descriptor name.

Text	Invalid descriptor name.
	1. a) The Natural DL/I DBD and the Natural DDM do not match. b) An invalid descriptor name was referenced in a database access statement. c) Two descriptors were specified: one belonging to an ancestor of the current segment, the other to a descendent segment. 2. A descriptor name not previously defined to Natural DL/I was referenced in a database access statement.

Explanation	Module name: NDPSDESE Problem determination: Items 2, 3, 6.
Action	1. Check program and correct error. 2. Perform the GENERATE function on the appropriate segment of the Natural DL/I DBD.

NAT3760: Not enough Natural DL/I storage.

Text	Not enough Natural DL/I storage.
Explanation	Natural DL/I could not get the requested entry in the DFB internal table, because the requested storage is too large (or zero). Module name: NDPSFBSA Problem determination: Items 1 (trace parm = (CMD,REQ,SER)), 2, 10.
Action	Increase the related DFB parameters DFBNUM and/or DFFNUM in the NDLPARM module. If this error occurs with requested storage = 0, contact technical support.

NAT3761: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPRS100 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Contact technical support.

NAT3762: A clause used in a FIND statement is not allowed.

Text	A clause used in a FIND statement is not allowed.
Explanation	There is probably an error in your program: an disallowed clause was used in a FIND statement. Module name: NDPRS100 Problem determination: Item 2.
Action	Check program and correct error.

NAT3764: Internal error.

Text	Internal error.
Explanation	A Boolean operation has been requested on SSAs related to different files. Module name: NDPRS800 Problem determination: Items 1 (trace parm = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3765: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPRS800 Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.

Action	Contact technical support.

NAT3766: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSFBSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 3, 6.
Action	Contact technical support.

NAT3767: Invalid descriptor field in BY DESCRIPTOR clause of READ.

Text	Invalid descriptor field in BY DESCRIPTOR clause of READ.
Explanation	In a BY DESCRIPTOR clause of a READ statement a descriptor field has been used which is neither the sequence field of the root segment nor a secondary-index field (i.e. XDFLD in the DBD). Module name: NDLSCGET Problem determination: Items 2, 6.
Action	Check the program against the NDB description.

NAT3768: PCB with requested DBD not found in NSB.

Text	PCB with requested DBD not found in NSB.

Explanation	1) Natural for DL/I could not find a PCB (in the NSB) which provides access to the DBD containing the requested segment type. In particular, if the descriptor used in the FIND or READ statement is a secondary index field, a PCB with "PROCSEQ = index-name" is required. 2) Using the DBID/FNR in the DDM, an UDF block and its corresponding NDB were found. However, the DBD name of this NDB has not been specified in the active PSB. This may occur if the DDM was copied into the FDIC system file, but not the corresponding NDB. Module name: NDLSCGET Problem determination: Items 2, 5, 7, 12.
Action	1) Check the PSB used by Natural for DL/I. Build a new PCB with the required parameters. Execute the NATPSB procedure. 2) Check the DDM and the corresponding NDB.

NAT3769: Segment to be updated/deleted has not been selected.

Text	Segment to be updated/deleted has not been selected.
Explanation	An UPDATE or DELETE statement does not refer to a READ or FIND statement. An UPDATE or DELETE statement must refer to a segment that has previously been selected with a FIND or READ statement. Module names: NDLRA100, NDLRE100. Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Correct error in program.

NAT3770: UPDATE/DELETE issued after END/BACKOUT TRANSACTION.

Text	UPDATE/DELETE issued after END/BACKOUT TRANSACTION.
Explanation	Program error: an UPDATE or DELETE statement refers to a record that was read or selected prior to the last END TRANSACTION or BACKOUT TRANSACTION statement. UPDATE/DELETE statements must refer to a record previously selected or read by a FIND or READ statement. An END TRANSACTION or BACKOUT TRANSACTION statement issued after the FIND/READ releases the record; in this case, Natural cannot UPDATE/DELETE the record. Module names: NDPRA100, NDPRE100.

	Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3771: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Contact technical support.

NAT3772: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Contact technical support.

NAT3773: Incorrect segment search expression.

Text	Incorrect segment search expression.

Explanation	An invalid set of segment search expressions was specified, causing Natural DL/I to perform a logical operation on SSAs. The segments to which the SSAs are related do not pertain to the same path starting from the root down to the current segment. Module name: NDPSSBAN Problem determination: Items 2, 6.
Action	Check program and correct error.

NAT3774: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Contact technical support.

NAT3775: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Contact technical support.

NAT3776: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Contact technical support.

NAT3777: COUPLED clause is not allowed when accessing DL/I files.

Text	COUPLED clause is not allowed when accessing DL/I files.
Explanation	The program contains a FIND statement with a COUPLED clause; however, this clause is not allowed when accessing DL/I files. Module name: NDPSSBAN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of search buffer is provided).
Action	Check program and correct error.

NAT3778: Field length inconsistency between DBD and DDM.

Text	Field length inconsistency between DBD and DDM.
Explanation	The length specified in the DDM for the I/O fields referenced by the program is not the same as the length defined in the Natural DL/I DBD description. Module names: NDPSFBMI, NDPSFBMU. Problem determination: Items 2, 3, 6, 8.

Action	Compare the DDM with the DBD description and make the field lengths consistent.

NAT3779: Internal error.

Text	Internal error.
Explanation	The calculated displacement of a field into the segment is greater than the segment length. Module names: NDPSFBMI, NDPSFBMU. Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Contact technical support.

NAT3780: NDB not found on FDIC system file.

Text	NDB not found on FDIC system file.
Explanation	The Natural system file FDIC does not contain the description of the DBD being accessed. In a multiple FDIC environment, the NTDB macro for DL/I (or IMS TM) must reference different DBIDs for different FDIC environments. This is because the buffer pool does not keep track from which FDIC the UDF control block is loaded. The UDF control block key is built up of the FNR and DBID assigned to the segment for which the UDF is defined. This error message is issued if the NDB (the name of which is stored in the UDF control block) cannot be found in the buffer pool or the current FDIC file. Module name: NDLSDGET Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Use the utility NDLBLOCK to check whether there is on FDIC an NDB whose name is the same as that of the DBD being accessed.

NAT3781: Internal error.

Text	Internal error.
Explanation	No further space available on SSAL for AIX pointers. Module name: NDPSFBBS Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 6.
Action	Contact technical support.

NAT3782: Internal error.

Text	Internal error.
Explanation	The Natural DL/I Boolean-operations manager was given an invalid Boolean operator. Module name: NDPSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3783: Invalid segment search expression ("AND" operator).

Text	Invalid segment search expression ("AND" operator).
Explanation	An invalid segment search expression was specified which caused Natural for DL/I to perform an "AND" operation on two SSAs on the same DL/I segment, with one SSA being of "OR" type. Module name: NDLSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.

Action	Check program and correct error.

NAT3784: Invalid segment search expression ("OR" operator).

Text	Invalid segment search expression ("OR" operator).
Explanation	An invalid segment search expression was specified, which caused Natural DL/I to perform an "OR" operation on two SSA lists that differ from each other in more than one pair of SSAs specified on the same DL/I segment. Module name: NDPSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3785: Invalid segment search expression ("BUT NOT" operator).

Text	Invalid segment search expression ("BUT NOT" operator).
Explanation	An invalid segment search expression was specified, which caused Natural DL/I to perform a "BUT NOT" operation on two SSA lists with the first operand of the logical operation being of "OR" type. Module name: NDPSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3786: Invalid segment search expression.

Text	Invalid segment search expression.
Explanation	An invalid segment search expression was specified, causing Natural DL/I to perform a "BUT NOT" operation on two SSA lists with the second operand of the logical operation not being of type "SIMPLE". Module name: NDPSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3787: Invalid segment search expression.

Text	Invalid segment search expression.
Explanation	1. An invalid set of segment search expressions was specified, causing Natural DL/I to perform a logical operation on SSAs. The segments to which the SSAs are related do not pertain to the same path starting from the root down to the current segment. 2. An invalid segment search expression was specified causing Natural DL/I to perform an "OR" operation on two SSA lists not having the same number of SSAs. Module name: NDPSBOOL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3788: Not enough Natural DL/I storage.

Text	Not enough Natural DL/I storage.

Explanation	Natural DL/I could not get the requested entry in the PCBM internal table, because the requested storage is too large (or zero). Module name: NDPSPALL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 10.
Action	Increase the related PCBM parameters PCBLEV and/or PCBNUM in the NDLPARM module. If this error occurs with requested storage = 0, contact technical support.

NAT3789: Active PSB contains too few PCBs for program execution.

Text	Active PSB contains too few PCBs for program execution.
Explanation	The active PSB does not contain enough PCBs for program execution. To use multiple PCBs for the same database, the PCBs must be consecutive. Module name: NDLSPALL Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 5.
Action	Increase the number of PCBs in the PSB, or modify the program. Make the PCBs for a particular database consecutive in the PSB.

NAT3790: Segment not defined in Natural DL/I PCB description.

Text	Segment not defined in Natural DL/I PCB description.
Explanation	The accessed segment is not defined in the Natural DL/I PCB description. Module name: NDPSCGET Problem determination: Item 7.

Action	Redefine the PCB. Execute the NATPSB procedure.

NAT3791: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPRRC00 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER), a snap of Adabas control block is provided).
Action	Contact technical support.

NAT3792: TSA entry with given command ID not found.

Text	TSA entry with given command ID not found.
Explanation	Internal error. Module name: NDPRL100 Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3793: I/O statement not valid for access to DL/I files.

Text	I/O statement not valid for access to DL/I files.
Explanation	1. The program contains an I/O statement which cannot be used to access DL/I files (e.g., GET SAME, GET *ISN, READ BY ISN). 2. The NISN parameter in the Natural parameter module has been modified. NISN is reserved for internal use and must not be modified. Module name: NDPRL100 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).

Action	1. Check program and correct error. 2. Ask your Natural administrator to make sure that NISN is set to its original value as supplied.

NAT3794: Internal error.

Text	Internal error.
Explanation	1. Error may be a Natural DL/I work area overflow when building SSA list. 2. Internal error. Module name: NDPSBSKF Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	1. Modify the Natural DL/I parameter WORKLGH in NDMCPARM. 2. Contact technical support.

NAT3796: Internal error.

Text	Internal error.
Explanation	Internal error. Module name: NDPRS800 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Contact technical support.

NAT3797: Acquisition of entry in internal THC table failed.

Text	Acquisition of entry in internal THC table failed.

Explanation	Natural DL/I was unable to obtain the requested entry in the internal Table of Hold Commands (THC table). Module name: NDPSSAVE Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Modify the related THC table parameter THCSIZE in NDMCPARM.

NAT3798: Natural for DL/I work area overflow.

Text	Natural for DL/I work area overflow.
Explanation	An overflow occurred on a work area acquired from the Natural for DL/I common area. Module name: NDLSSAVE Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Modify the related work area size parameter WORKLGH in NDMCPARM.

NAT3799: Field values have been changed by another user.

Text	Field values have been changed by another user.
Explanation	The field values (stored under the same command ID) in the Table of Hold Commands do not match with those in the corresponding I/O area. The values of the accessed fields have been changed by another user after the READ (for update) and before the subsequent UPDATE. Module name: NDLSCHEC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Retry the transaction.

54 Natural System Error Messages 3800-3849

NAT3800: Invalid segment search expression in FIND statement.

Text	Invalid segment search expression in FIND statement.
Explanation	Program error: In a segment search expression, two qualification statements refer to different segment types. Module name: NDPSSBAN Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3801: User-defined field not found in Natural DL/I UDF table.

Text	User-defined field not found in Natural DL/I UDF table.
Explanation	The DDM does not match the Natural DL/I description of UDFs (user-defined fields). The program references a field that is not contained in the UDF table. Module name: NDPSFBCS Problem determination: Items 2, 3, 8.

Action	Compare the DDM with the UDF description and make the two consistent with each other.

NAT3802: No user-defined field found in Natural DL/I UDF table.

Text	No user-defined field found in Natural DL/I UDF table.
Explanation	The DDM does not match the Natural DL/I description of UDFs (user-defined fields). The program references a field that is not contained in the UDF table. Module name: NDPSFBCS Problem determination: Items 2, 3, 8.
Action	Compare the DDM with the UDF description.

NAT3803: Invalid search criterion in FIND statement.

Text	Invalid search criterion in FIND statement.
Explanation	Program error: Two segment search expressions are connected by an "OR" operator in a FIND statement, but only "AND" is valid. Module name: NDPSSBAN Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Check program and correct error.

NAT3804: Internal error.

Text	Internal error.
Explanation	The format buffer was omitted in an Adabas "N1" command. Module name: NDPSFBBS Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.

Action	Contact technical support.

NAT3805: Number of DDM fields too large.

Text	Number of DDM fields too large.
Explanation	The number of DL/I fields and UDF fields in the segment is too large. The GENERATE DDM function cannot contain all the DDM fields in its own internal area. Module name: NDPRLF00 Problem determination: Items 6, 8.
Action	Contact technical support.

NAT3806: Not enough storage for a Natural DL/I internal area.

Text	Not enough storage for a Natural DL/I internal area.
Explanation	There is not enough storage available for the Natural DL/I work area. Module name: NDPSRLIN Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Increase partition region size.

NAT3807: Segment name not found in NDB.

Text	Segment name not found in NDB.
Explanation	The NDB containing the segment name was modified after the program had been cataloged. Module name: NDLSDGET Problem determination: Items 3, 6.

Action	Check program and correct error.

NAT3808: DBID/file number not assigned to accessed segment.

Text	DBID/file number not assigned to accessed segment.
Explanation	1. The DBID/file number is not yet assigned to the accessed segment. 2. The segment belongs to a LOGICAL DBD and the source segments in the PHYSICAL DBD do not have a DBID/file number. 3. The system file does not contain the UDF description. 4. The DBID has been defined as a DL/I DBID (see NTDB macro) but - physically - the database is not a DL/I database. 5. The DBID/file number assigned to the DDM is different to the DBID/file number assigned to the segment. Module name: NDLSDGET Problem determination: Items 3, 8.
Action	1. Assign DBID/file number to the segment. 2. Assign DBID/file number to the source segments. 3. Check (with NDLBLOCK) if segment description exists in system file.

NAT3809: There is not enough shared storage available.

Text	There is not enough shared storage available.
Explanation	1. The maximum size of the shared storage pool, as defined in the Natural DL/I initialization parameters, is too small. 2. There is not enough shared storage available for Natural DL/I internal blocks. Module name: NDPSDGET Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).

Action	1. Increase the maximum pool size. 2. Increase the size of the partition/region/roll buffer.

NAT3810: DL/I status code "GE" (segment not found).

Text	DL/I status code "GE" (segment not found).
Explanation	DL/I returns status code "GE", i.e. segment not found. Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3811: DL/I status code :1:.

Text	DL/I status code ....
Explanation	DL/I returns status code .... Module name: NDLSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3812: DL/I is not active.

Text	DL/I is not active.
Explanation	CICS returns a "DL/I not active" condition (DLINA). Module name: NDPSIOCX

Action	Contact your CICS system programmer.

NAT3813: A DL/I request was issued, but no PSB has been scheduled.

Text	A DL/I request was issued, but no PSB has been scheduled.
Explanation	CICS has returned a FUNCNS condition. Module name: NDLSIOCX Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Retry PSB schedule.

NAT3814: Invalid request to CICS-DL/I interface.

Text	Invalid request to CICS-DL/I interface.
Explanation	CICS returns an INVREQ condition. PSB may not be defined correctly to CICS. Module name: NDPSIOCX
Action	Contact your CICS system programmer.

NAT3815: The PSB language is not Assembler.

Text	The PSB language is not Assembler.
Explanation	CICS returns a language-conflict condition (LANGCON). Module name: NDPSIOCX Problem determination: Item 5.

Action	Make sure that the PSB language is Assembler and that it is defined correctly to CICS.

NAT3816: The database is not open.

Text	The database is not open.
Explanation	CICS returns a "database not open" condition (NOTOPEN). Module name: NDPSIOCX
Action	Check if the database is open. Contact your CICS system programmer.

NAT3817: PSB initialization failed.

Text	PSB initialization failed.
Explanation	CICS returns a PSBFAIL condition (PSB initialization failed). Among other reasons, this error occurs if the setting of the ENQL, DMBPL, PSBPL parameters in the CICS System Initialization Table (SIT) is too small. Module name: NDPSIOCX
Action	Contact your CICS system programmer.

NAT3818: The use of this PSB is not allowed.

Text	The use of this PSB is not allowed.
Explanation	A request was issued to an unauthorized PSB. CICS returns a "PSB not authorized" condition (PSBNA). Module name: NDPSIOCX

Action	Check the CICS ACT table.

NAT3819: NSB found on FDIC, but PSB not found in CICS.

Text	NSB found on FDIC, but PSB not found in CICS.
Explanation	The NSB is present on FDIC, but CICS returned a "PSB not found" condition (PSBNF) when trying to schedule the corresponding PSB. Module name: NDLSIOCX
Action	Check the CICS PSB table.

NAT3820: PSB schedule request issued with a PSB already scheduled.

Text	PSB schedule request issued with a PSB already scheduled.
Explanation	A PSB schedule request was issued, but this or another PSB has already been scheduled. Only one PSB at a time can be active. Module name: NDPSIOCX Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Issue a DL/I TERM call (NATPSB OFF).

NAT3821: The task is not authorized to access a DL/I database.

Text	The task is not authorized to access a DL/I database.
Explanation	CICS return a TASKNA condition. Module name: NDPSIOCX

Action	Contact your CICS system programmer.

NAT3822: No PSB scheduled.

Text	No PSB scheduled.
Explanation	A termination request was issued with no PSB being scheduled. Module name: NDPSIOCX Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Contact technical support.

NAT3823: GETMAIN for I/O area failed.

Text	GETMAIN for I/O area failed.
Explanation	There is not enough storage available for the I/O area. Module names: NDPSIOCX and NDPSIOBA Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Increase size of partition/region.

NAT3824: No NSB found for checkpoint processing.

Text	No NSB found for checkpoint processing.
Explanation	In a "Db2 DL/I batch support" environment, Natural for Db2 issues its checkpoints via Natural for DL/I. However, no NSB was found because the NATPSB ON command was not issued by the user. Module name: NDLSIOBA

Action	Issue NATPSB ON with a valid PSB name.

NAT3825: DBD names in NCB and PCB do not match.

Text	DBD names in NCB and PCB do not match.
Explanation	A free NCB has been selected (from the NSB). However, the DBD name in this NCB does not match the DBD name in the corresponding PCB. Module name: NDLSPALL
Action	Execute NATPSB procedure to correct NSB/PSB mismatch.

55 Natural System Error Messages 3850-3899

NAT3850: DL/I status code "AB".

Text	DL/I status code "AB".
Explanation	DL/I returns status code "AB". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3851: DL/I status code "AC".

Text	DL/I status code "AC".
Explanation	DL/I returns status code "AC". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3852: DL/I status code "AD".

Text	DL/I status code "AD".
Explanation	DL/I returns status code "AD". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3853: DL/I status code "AH".

Text	DL/I status code "AH".
Explanation	DL/I returns status code "AH". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3854: DL/I status code "AI".

Text	DL/I status code "AI".
Explanation	DL/I returns status code "AI". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3855: DL/I status code "AJ".

Text	DL/I status code "AJ".
Explanation	DL/I returns status code "AJ". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3856: DL/I status code "AK".

Text	DL/I status code "AK".
Explanation	DL/I returns status code "AK". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3857: DL/I status code "AM".

Text	DL/I status code "AM".
Explanation	DL/I returns status code "AM". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3858: DL/I status code "AO".

Text	DL/I status code "AO".
Explanation	DL/I returns status code "AO". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3859: DL/I status code "AT".

Text	DL/I status code "AT".
Explanation	DL/I returns status code "AT". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3860: DL/I status code "AU".

Text	DL/I status code "AU".
Explanation	DL/I returns status code "AU". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3861: DL/I status code "DA".

Text	DL/I status code "DA".
Explanation	DL/I returns status code "DA". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3862: DL/I status code "DJ".

Text	DL/I status code "DJ".
Explanation	DL/I returns status code "DJ". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3863: DL/I status code "DX".

Text	DL/I status code "DX".
Explanation	DL/I returns status code "DX". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3864: DL/I status code "FD".

Text	DL/I status code "FD".
Explanation	DL/I returns status code "FD". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3865: DL/I status code "FE".

Text	DL/I status code "FE".
Explanation	DL/I returns status code "FE". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3866: DL/I status code "FF".

Text	DL/I status code "FF".
Explanation	DL/I returns status code "FF". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3867: DL/I status code "FG".

Text	DL/I status code "FG".
Explanation	DL/I returns status code "FG". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3868: DL/I status code "FH".

Text	DL/I status code "FH".
Explanation	DL/I returns status code "FH". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3869: DL/I status code "FI".

Text	DL/I status code "FI".
Explanation	DL/I returns status code "FI". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3870: DL/I status code "FP".

Text	DL/I status code "FP".
Explanation	DL/I returns status code "FP". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3871: DL/I status code "FR".

Text	DL/I status code "FR".
Explanation	DL/I returns status code "FR". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3872: DL/I status code "FT".

Text	DL/I status code "FT".
Explanation	DL/I returns status code "FT". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3873: DL/I status code "FW".

Text	DL/I status code "FW".
Explanation	DL/I returns status code "FW". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3874: DL/I status code "GA".

Text	DL/I status code "GA".
Explanation	DL/I returns status code "GA". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3876: DL/I status code "GC".

Text	DL/I status code "GC".
Explanation	DL/I returns status code "GC". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3877: DL/I status code "GD".

Text	DL/I status code "GD".
Explanation	DL/I returns status code "GD". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3879: DL/I status code "GG".

Text	DL/I status code "GG".
Explanation	DL/I returns status code "GG". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3880: DL/I status code "GK".

Text	DL/I status code "GK".
Explanation	DL/I returns status code "GK". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3881: DL/I status code "GL".

Text	DL/I status code "GL".
Explanation	DL/I returns status code "GL". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3882: DL/I status code "GP".

Text	DL/I status code "GP".
Explanation	DL/I returns status code "GP". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3883: DL/I status code "II" (duplicate sequence field).

Text	DL/I status code "II" (duplicate sequence field).
Explanation	DL/I returns status code "II" (duplicate sequence field). Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3884: DL/I status code "IX".

Text	DL/I status code "IX".
Explanation	DL/I returns status code "IX". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3885: DL/I status code "LB".

Text	DL/I status code "LB".
Explanation	DL/I returns status code "LB". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3886: DL/I status code "LC".

Text	DL/I status code "LC".
Explanation	DL/I returns status code "LC". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3887: DL/I status code "LD".

Text	DL/I status code "LD".
Explanation	DL/I returns status code "LD". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3888: DL/I status code "LE".

Text	DL/I status code "LE".
Explanation	DL/I returns status code "LE". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3889: DL/I status code "N".

Text	DL/I status code "N".
Explanation	DL/I returns status code "N". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3890: DL/I status code "NE".

Text	DL/I status code "NE".
Explanation	DL/I returns status code "NE". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3891: DL/I status code "NI".

Text	DL/I status code "NI".
Explanation	DL/I returns status code "NI". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3892: DL/I status code "NO".

Text	DL/I status code "NO".
Explanation	DL/I returns status code "NO". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3893: DL/I status code "RX".

Text	DL/I status code "RX".
Explanation	DL/I returns status code "RX". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3894: DL/I status code "VI".

Text	DL/I status code "VI".
Explanation	DL/I returns status code "VI". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3895: DL/I status code "XX".

Text	DL/I status code "XX".
Explanation	DL/I returns status code "XX". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3896: DL/I status code "AL".

Text	DL/I status code "AL".
Explanation	DL/I returns code "AL". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3897: DL/I status code "BA".

Text	DL/I status code "BA".
Explanation	DL/I returns status code "BA". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3898: DL/I status code "BB".

Text	DL/I status code "BB".
Explanation	DL/I returns status code "BB". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3899: DL/I status code "XH".

Text	DL/I status code "XH".
Explanation	DL/I returns status code "XH". Module name: NDPSIORC Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

56 Natural System Error Messages 3900-3949

NAT3900: PSB :1: scheduled, but PSB :2: already active.

Text	PSB ... scheduled, but PSB ... already active.
Explanation	A PSB schedule request was issued, but this or another PSB has already been scheduled. Only one PSB at a time can be active. Module name: NDPRPS00 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	A "NATPSB OFF" command must be issued before the "NATPSB ON" command.

NAT3901: PSB not scheduled.

Text	PSB not scheduled.
Explanation	A "NATPSB OFF" command was issued with no PSB active. Module name: NDPRPS00 Problem determination: Item 1 (trace parameter = (CMD,REQ,SER)).
Action	None.

NAT3902: NSB :1: not found on FDIC system file.

Text	NSB ... not found on FDIC system file.
Explanation	The NSB was not found on the FDIC system file. Module name: NDPRPS00 Problem determination: Item 12.
Action	Execute NATPSB batch procedure for the given PSB to create and store the corresponding NSB on the FDIC system file.

NAT3903: PSB names do not match.

Text	PSB names do not match.
Explanation	The PSB name in the EXEC statement of the JCL (used by DL/I) and the PSB name in the NATPSB ON command (used by Natural for DL/I) must be the same. Module name: NDLRPS00
Action	Check the JCL and modify the PSB name, either in the EXEC statement or in the NATPSB ON command.

NAT3904: Segment description is not on Natural system file.

Text	Segment description is not on Natural system file.
Explanation	The segment is a virtual logical child. The DBD which contains the related real logical child, however, does not exist on the Natural system file. Module name: NDLSDGET Problem determination: Item 11.

Action	1. Execute the NATDBD procedure for the DBD containing the real logical child. 2. Execute the NATDBD procedure for the DBD containing the virtual logical child.

NAT3905: No PSB has been scheduled.

Text	No PSB has been scheduled.
Explanation	No NCB could be located because there is no NSB pointer, i.e. there is no PSB active. Module name: NDLSCGET Problem determination: Item 4.
Action	Execute the command "NATPSB ON psbname" to schedule a PSB.

NAT3906: Segment position not fully specified in STORE request.

Text	Segment position not fully specified in STORE request.
Explanation	The position in the database where the segment is to be stored is not sufficiently specified in a STORE statement: one or more ancestor sequence fields are not referenced. Module name: NDPRN100 Problem determination: Items 2, 3.
Action	Assign correct values to the missing sequence fields of (1) the segment to be stored, and (2) the segment"s ancestors.

NAT3907: Internal error.

Text	Internal error.

Explanation	There is not enough storage available for a "user" area to be passed to the I/O area of a DL/I call. Module name: NDPSRPGU Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3908: Index out of range for period.group/multiple-value field.

Text	Index out of range for period.group/multiple-value field.
Explanation	You have attempted to access a periodic-group field or multiple-value field, specifying an index which exceeds the value set by the UDF parameter MAXOCC. Module names: NDPSFBMI, NDPSFBMU. Problem determination: Items 2, 8.
Action	Check program and correct error.

NAT3909: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred during the Natural DL/I SSA list initialization. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Modify the work-area size parameter WORKLGH in NDPCPARM.

NAT3910: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred while adding an unqualified SSA to the SSA list. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Modify the work-area size parameter WORKLGH in NDPCPARM.

NAT3911: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred in the Natural DL/I work area while moving a qualified SSA into the SSA list. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Modify the work-area size parameter WORKLGH in NDPCPARM.

NAT3912: Internal error.

Text	Internal error.
Explanation	Natural DL/I failed to add an unqualified SSA to the SSA list, because the unqualified SSA already existed on the SSA list and was not related to the current segment. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3913: Internal error.

Text	Internal error.
Explanation	Natural DL/I determined an invalid path for the involved segment level while attempting to add an unqualified SSA to the SSA list. The path determined was in conflict with the path associated with the existing SSA list. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Contact technical support.

NAT3914: Natural DL/I work area overflow.

Text	Natural DL/I work area overflow.
Explanation	An overflow occurred during the compression of an SSA list. Module name: NDPSFSSA Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2.
Action	Modify the work-area size parameter WORKLGH in NDPCPARM.

NAT3915: Not enough Natural DL/I storage available.

Text	Not enough Natural DL/I storage available.
Explanation	Natural DL/I was unable to obtain the requested entry in the TSA internal table. Module name: NDPSFSSA Problem determination: Item 1 (trace parameter (CMD,REQ,SER)).

Action	Modify the related TSA parameter SEQNUM in the module NDPCPARM.

NAT3916: Index database name incompatible.

Text	Index database name incompatible.
Explanation	The index database name field in the NCB does not agree with the index database field in the NCB AIX field involved in the database call. Module name: NDPSBNCB Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 4, 5.
Action	Contact technical support.

NAT3918: SENSEG in NSB has no corresponding segment in related NDB.

Text	SENSEG in NSB has no corresponding segment in related NDB.
Explanation	A SENSEG in the NSB does not have a corresponding segment in the related NDB. Module name: NDPSBNCB Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 2, 4, 5.
Action	Check whether the NATDBD and NATPSB procedures were executed correctly.

NAT3919: PSB switch cannot be accepted.

Text	PSB switch cannot be accepted.

Explanation	A PSB switch was requested inside an active I/O loop (FIND, READ) while another PSB is still allocated. Module name: NDPSRLIN
Action	Switch the PSB outside any active I/O loop.

NAT3920: GETMAIN for NCB failed.

Text	GETMAIN for NCB failed.
Explanation	To copy the NCB from the buffer pool into a work area, a GETMAIN for the work area is performed. This GETMAIN failed. Module name: NDPSNCBI
Action	Increase the value of the SIZE parameter in the NDPCPARM parameter module.

NAT3921: Natural buffer pool not active, or unknown return code.

Text	Natural buffer pool not active, or unknown return code.
Explanation	When calling the Natural buffer pool for a Natural DL/I control block (NDB, NSB, UDF) request, the buffer pool returned: - an unknown return code, or - a return code which indicates that the buffer pool is not active. Module name: NDPSNBPI
Action	Contact technical support.

NAT3922: NDB/NSB/UDF not found during de-allocation.

Text	NDB/NSB/UDF not found during de-allocation.
Explanation	An attempt was made to de-allocate a Natural DL/I control block (NDB, NSB, UDF) from the Natural buffer pool. However, the control block was not found in the buffer pool.
Action	Contact technical support.

NAT3923: Use count gone negative during de-allocation.

Text	Use count gone negative during de-allocation.
Explanation	When de-allocating Natural DL/I control blocks (NDB/NSB/UDF) from the buffer pool, it was detected that the use count was negative. Module name: NDPSNBPI
Action	Contact technical support.

NAT3924: No space during load into buffer pool.

Text	No space during load into buffer pool.
Explanation	When loading the Natural DL/I control blocks (NDB/NSB/UDF) from the system file into the buffer pool, there was not enough storage available in the buffer pool. Module name: NDPSNBPI
Action	Provide enough storage.

NAT3925: Symbolic checkpoint/restart failed.

Text	Symbolic checkpoint/restart failed.
Explanation	IMS checkpointing was requested in a batch Natural program, through the provision of user data with the END TRANSACTION statement. However, this request could not be satisfied because an error was detected by Natural for DL/I. Possible reasons for this error: - A GETMAIN failed: Natural for DL/I requires a 2000-byte buffer for this function. - A DL/I status code was returned in response to the XRST call. - The XRST call was not issued because it is not supported in this environment or with this CMPAT setting. Module name: NDLRRE00
Action	Increase the REGION size in the JCL. Check IMS TM logging installation at your site. Check if your environment (CMPAT setting) supports the XRST call.

NAT3926: Invalid search criterion for HDAM database.

Text	Invalid search criterion for HDAM database.
Explanation	When accessing a HDAM database, either a secondary index must be used or a condition must be specified for the root sequence field with relational operator EQUAL TO. Fields different from the sequence field are not permitted to prevent excessive sequential DL/I access. Use READ PHYSICAL if you want to retrieve root segments sequentially (in physical sequence). Module name: NDPRPTSA
Action	Use EQUAL TO as logical operator, or access via alternate index.

NAT3927: FREEMAIN for NCB failed.

Text	FREEMAIN for NCB failed.
Explanation	To copy the NCB from the buffer pool into a work area, a GETMAIN for the work area is performed. The subsequent FREEMAIN for this work area failed. Module name: NDPSNCBI
Action	Contact technical support.

NAT3929: Natural for DL/I has not been initialized.

Text	Natural for DL/I has not been initialized.
Explanation	Natural for DL/I service has been requested, but Natural for DL/I has not been initialized. Module name: NDLGWDLI
Action	Install Natural for DL/I with a DLISIZE of at least 27 KB; then start the Natural session again.

NAT3930: NATPSB ON/OFF command not available in IMS environment.

Text	NATPSB ON/OFF command not available in IMS environment.
Explanation	PSB switching under IMS TM is accomplished by using the module "CMDEFSWX" or "CMDIRSWX".
Action	Instead of NATPSB, use one of the above modules.

NAT3931: GETMAIN size exceeds maximum of 32 KB.

Text	GETMAIN size exceeds maximum of 32 KB.
Explanation	Natural DL/I attempts to copy the DL/I CALL parameter list into a buffer below 16 MB. The GETMAIN for this buffer could not be executed, because the size requested was greater than the maximum possible size of 32 KB. Module name: NDLSIOCX
Action	Contact technical support.

NAT3932: GETMAIN failed for buffer below 16 MB.

Text	GETMAIN failed for buffer below 16 MB.
Explanation	Natural DL/I attempts to copy the DL/I CALL parameter list into a buffer below 16 MB. The GETMAIN for this buffer failed. Module name: NDLSIOCX
Action	Contact technical support.

NAT3933: Now it is too late for BACKOUT TRANSACTION.

Text	Now it is too late for BACKOUT TRANSACTION.
Explanation	The program contains a design error: It attempts to backout updates which have already been committed. This error can only occur under CICS in pseudo-conversational mode or under IMS TM. The most likely reason is that a terminal I/O has forced the end of the logical transaction; that is, internally a SYNCPOINT command has already been executed by the TP monitor at the time when the BACKOUT TRANSACTION statement is executed. Nevertheless, Natural for DL/I has executed a SYNCPOINT ROLLBACK command. This means that the actual scope of the BACKOUT TRANSACTION is different from the expected one.

Action	Correct error in program.

NAT3934: FREEMAIN for I/O area failed.

Text	FREEMAIN for I/O area failed.
Explanation	Internal error. Module names: NDLSIOBA/NDLSIOCX.
Action	Contact technical support.

NAT3935: :1: locked in bufferpool blacklist.

Text	... locked in bufferpool blacklist.
Explanation	A Natural for DL/I object - NDB, NSB or UDF - could not be loaded into the buffer pool, because it has been locked from execution via the Blacklist Maintenance function of the SYSBPM utility. Module name: NDLSSHGE
Action	Contact your Natural administrator to delete the blacklist entry.

NAT3936: GSAM records cannot be deleted or updated.

Text	GSAM records cannot be deleted or updated.
Explanation	The database accessed is a GSAM database. You cannot delete or update records in a GSAM database. This is a GSAM restriction. Module name: NDLRPTSA,NDLRN100

Action	Remove DELETE or UPDATE statement from your program.

NAT3937: Segment length exceeded.

Text	Segment length exceeded.
Explanation	The length of the retrieved segment is larger than the maximum length defined to Natural for this segment type, i.e. the definitions for DL/I and NDL are not in synchronization. The most probable reason is that the segment length was increased using DBDGEN but the corresponding execution of NATDBD was omitted. Module name: NDLRGNEX
Action	Re-run the NATDBD procedure against the DBD.

NAT3938: Not enough storage in WORK buffer.

Text	Not enough storage in WORK buffer.
Explanation	During format buffer analysis, Natural for DL/I could not acquire storage from the WORK buffer for another format buffer entry because the WORK buffer is full. Module name: NDLSFBSA Problem determination: Items 1 (trace = (CMD,REQ,SER)), 2, 10.
Action	Increase the related WORK parameter WORKLGH in the NDLPARM module.

57 Natural System Error Messages 3950-3999

NAT3951: CSECT :1: is missing.

Text	CSECT ... is missing.
Explanation	This error may be caused by one of the following: - The module indicated in the message is missing in the link-edit stream. - The CSECT instruction is missing in the source of the module. - The module name in the CSECT instruction has been changed.
Action	Make sure that the module is included in the link-edit stream; make sure that the source of the module is complete/correct.

NAT3952: INIT call failed with status code :1:.

Text	INIT call failed with status code ....
Explanation	The Natural DL/I initialization routine issues an INIT call to inform IMS TM that it is prepared to accept status codes "BA" and "BB" regarding the unavailability of data. This call failed, and DL/I has returned the status code indicated in the message.

Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3953: Versions of NDLNUC and :1: do not match.

Text	Versions of NDLNUC and ... do not match.
Explanation	The modules included in the Natural DL/I link-edit must be of the same version. Module name: NDLSINIT
Action	Check NDLNUC, NDLSIOOO and NDLPARM.

NAT3954: DLISIZE must be greater than :1:.

Text	DLISIZE must be greater than ....
Explanation	If DLISIZE is not "0", it must be large enough to hold all buffers that are required by Natural for DL/I.
Action	Set DLISIZE to the value indicated in the error message.

NAT3955: Error :1: in GETMAIN in Natural for DL/I buffer.

Text	Error ... in GETMAIN in Natural for DL/I buffer.
Explanation	An error occurred when Natural for DL/I attempted to acquire its buffer from the thread.
Action	Increase the size of the thread.

NAT3956: Error :1: in GETMAIN in Natural for DL/I subpool :2:.

Text	Error ... in GETMAIN in Natural for DL/I subpool ....
Explanation	An error occurred when Natural for DL/I attempted to acquire the subpool (as indicated in the error message) from its buffer.
Action	Contact technical support.

NAT3957: No DBID marked as DL/I in NTDB macro.

Text	No DBID marked as DL/I in NTDB macro.
Explanation	Natural for DL/I has been invoked, but in the NTDB macro no database has been reserved for DL/I.
Action	If you do not wish to invoke Natural for DL/I, invoke Natural with DLISIZE=0; otherwise correct error in NTDB macro.

NAT3959: XRST call failed with DL/I status code :1:.

Text	XRST call failed with DL/I status code ....
Explanation	When starting a BMP, the Natural DL/I initialization routine issues an extended restart (XRST) call. This call failed, and DL/I returned the status code indicated in the message.
Action	Refer to the respective IBM documentation for a detailed explanation of the status code.

NAT3960: No valid PSB name was provided.

Text	No valid PSB name was provided.
Explanation	The address pointing to the PCB address list is blank or zero. This happens if a DLISIZE other than zero has been specified and 1) Natural is not running under the control of the DL/I region controller (DFSRRC00 for z/OS); or 2) Natural is running under control of the DL/I region controller, but, due to an internal error, the PCB address list has not been passed to Natural for DL/I; or 3) the PSB name in the JCL does not match the PSB name on CMSYNIN. Module name: NDLSINIT. Problem determination: Check the JCL used to start Natural.
Action	For 1: Run Natural under the control of the DL/I region controller, or run Natural with DLISIZE=0. For 2: Contact technical support. For 3: Correct the PSB name in the JCL or in CMSYNIN.

NAT3961: NSB :1: not found on FDIC system file.

Text	NSB ... not found on FDIC system file.
Explanation	The PSB which is used to start Natural has not been defined on the FDIC system file or could not be read (due to an unexpected return code from the database). Module name: NDLSINIT. Problem determination: Check if the correct system file has been assigned.
Action	Specify correct FDIC, or run NATPSB procedure to store the NSB on the FDIC system file. Set DLISIZE=0 if you do not want an NSB associated with the transaction (because it does not need to access DL/I).

NAT3962: Error in loading global area.

Text	Error in loading global area.
Explanation	The NDPSGLBA module is not included the link step; therefore it cannot be loaded dynamically. Module name: NDPSGLBA Problem determination: Obtain a link-edit listing.
Action	Either include NDPSGLBA in the link step (batch and CICS) or specify it in the STEPLIB DD card (IMS TM).

NAT3963: Natural for DL/I initialization failed.

Text	Natural for DL/I initialization failed.
Explanation	The reason for this failure is explained by the more detailed error message issued together with this error message.
Action	See explanation of detailed message.

NAT3970: Error when loading NDB/NSB.

Text	Error when loading NDB/NSB.
Explanation	The NDB, or the NSB, could not be loaded from the load library. Module names: NDLBINDB, NDLBINSB. Problem determination: Item 11 or Item 12.
Action	1. Check whether the load library contains the NDB/NSB. 2. Check the results of the assembly and link steps of the NATDBD/NATPSB procedures which produce the above modules.

NAT3971: Error in END TRANSACTION command.

Text	Error in END TRANSACTION command.
Explanation	Due to an error when issuing the "ET" command, the NDB (or the NSB) could not be stored into the Natural system file. The message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module names: NDPBNDB1, NDPBNSB1. Problem determination: Item 11 or Item 12.
Action	Contact your database administrator.

NAT3972: DBD has too many (over 468) DL/I fields.

Text	DBD has too many (over 468) DL/I fields.
Explanation	A DBD with more than 468 (13 * (26 + 10)) DL/I fields cannot be processed. This is a design restriction. Module name: NDPBSESH Problem determination: Items 4, 11.
Action	Reduce the number of DL/I fields.

NAT3973: Error in acquiring a work area (storing NDB/NSB).

Text	Error in acquiring a work area (storing NDB/NSB).
Explanation	An error message was returned by the GETMAIN macro after Natural for DL/I attempted to acquire a work area while processing a logical DBD. Module name: NDPBNDB1 Problem determination: Item 11.

Action	Increase the partition/region size.

NAT3974: Error when storing the NDB/NSB.

Text	Error when storing the NDB/NSB.
Explanation	During the STORE operation of an NDB/NSB, an error message was returned either by the Adabas "N1" command or by a VSAM "PUT". The error message "SYSDLI: 1103" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module names: NDLBSNDB, NDLBSNSB. Problem determination: Item 11.
Action	Correct the condition that caused the I/O error.

NAT3975: DBD/PSB name does not match the load module name.

Text	DBD/PSB name does not match the load module name.
Explanation	The NAME parameter in the DBD/PSB macro does not match the load module name in the load library which contains the output of the assembly and link steps of the NATDBD/NATPSB procedure. Module names: NDLBINDB, NDLBINSB. Problem determination: Items 4/5, 11/12.
Action	Check the name of the load module containing the output of the assembly step of the NATDBD/NATPSB procedure; change it accordingly to match the NAME parameter. Ensure that SAG macros are used during the assembly.

NAT3978: NDB not found.

Text	NDB not found.
Explanation	Internal error. Module name: NDPBRNDB Problem determination: Items 1 (trace parameter = (CMD,REQ,SER)), 11.
Action	Contact technical support.

NAT3979: Error in acquiring a work area.

Text	Error in acquiring a work area.
Explanation	An error message was received from the GETMAIN macro while acquiring the I/O area into which the first slot of the old copy of the NDB being processed was to be read. Module name: NDPBRNDB Problem determination: Item 11.
Action	Increase the partition/region size.

NAT3980: Error in acquiring a work area.

Text	Error in acquiring a work area.
Explanation	An error message was received from the GETMAIN macro while acquiring the I/O area into which the old copy of the NDB being processed was to be read. Module name: NDPBRNDB Problem determination: Item 11 or item 12.

Action	Increase the partition/region size.

NAT3981: Error in reading an NDB.

Text	Error in reading an NDB.
Explanation	The new NDB copy could not be stored on the Natural system file due to an error which occurred while reading the old copy. The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module name: NDPBRNDB Problem determination: Item 11.
Action	Correct the condition that caused the I/O error.

NAT3982: Error in reading an NDB.

Text	Error in reading an NDB.
Explanation	The new NDB copy could not be stored on the Natural system file due to an error which occurred while reading the old copy. The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module name: NDPBRNDB Problem determination: Item 11.
Action	Correct the condition that caused the I/O error.

NAT3983: Error in reading an NDB.

Text	Error in reading an NDB.
Explanation	An error occurred while the old copy of an existing NDB (or NSB) was being read for update. The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module names: NDPBDNDB, NDPBDNSB. Problem determination: Item 11 or item 12.
Action	Correct the condition that caused the I/O error.

NAT3984: Error in reading an NDB.

Text	Error in reading an NDB.
Explanation	An error occurred while the old copy of an existing NDB (or NSB) was being read for update. The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module names: NDPBDNDB, NDPBDNSB. Problem determination: Item 11 or item 12.
Action	Correct the condition that caused the I/O error.

NAT3985: Error in deleting an NDB.

Text	Error in deleting an NDB.

Explanation	An error occurred while the old copy of an NDB was being deleted. The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module name: NDPBDNDB Problem determination: Item 11.
Action	Correct the condition that caused the I/O error.

NAT3986: NDB/NSB not found.

Text	NDB/NSB not found.
Explanation	This error occurs when an NDB (or NSB) is being read for update before being deleted. The error is originated by the "L3" command (Adabas system file) or by the VSAM GET (VSAM system file). The error message "SYSDLI: 1004" contains the I/O response code received from the Natural I/O processor. The I/O codes are described in the Adabas or Natural documentation respectively. Module names: NDPBDNDB, NDPBDNSB. Problem determination: Item 11 or item 12.
Action	Correct the condition that caused the I/O error.

NAT3987: Error in building a logical NDB.

Text	Error in building a logical NDB.
Explanation	The work area used for building a logical NDB is too small. Module name: NDPBNDBL Problem determination: Item 11.

Action	Contact technical support. Product development will change YLOG in NDPBNDB1 and relink NDLB0001.

NAT3988: Sequence-field error in building a logical NDB.

Text	Sequence-field error in building a logical NDB.
Explanation	More than one sequence field was found for a segment which is NOT a logical virtual child. Up to five sequence fields may be defined ONLY for logical virtual child segments. Module name: NDPBNDBL Problem determination: Items 4, 11.
Action	Ensure that the DBDGEN procedure was successfully executed for this DBD, as this error should be detected by DBDGEN.

NAT3989: Error in building AIX links in a logical NDB.

Text	Error in building AIX links in a logical NDB.
Explanation	Internal error. Module name: NDPBNDBL Problem determination: Items 4, 11.
Action	Contact technical support.

NAT3990: Error in acquiring a work area for a logical NDB.

Text	Error in acquiring a work area for a logical NDB.

Explanation	A GETMAIN macro was invoked to acquire a work area where a logical NDB was to be built. A non-zero response code was returned. Module name: NDPBNDB1 Problem determination: Item 11.
Action	Increase the partition/region size.

NAT3991: Segment referred to as source was not found.

Text	Segment referred to as source was not found.
Explanation	While processing a segment with a SOURCE parameter, the specified segment was not found in the NDB corresponding to the DBD specified in the SOURCE keyword. Module name: NDPBNDBL Problem determination: Item 11.
Action	Ensure that the ACBGEN procedure was successfully executed for this DBD, as this error should be detected by ACBGEN.

NAT3992: Error in acquiring a work area for a logical NDB.

Text	Error in acquiring a work area for a logical NDB.
Explanation	A GETMAIN macro was invoked to acquire a work area where a logical NDB was to be built. A non-zero response code was returned. Module name: NDPBNDB1 Problem determination: Item 11.
Action	Increase the partition/region size.

NAT3993: NDB not found in Natural system file.

Text	NDB not found in Natural system file.
Explanation	While processing a segment with a SOURCE parameter, the NDB corresponding to the DBD specified in the SOURCE keyword was not found in the Natural system file. Module name: NDPBNDBL Problem determination: Item 11.
Action	Ensure that the DBDGEN procedure was successfully executed for this DBD, as this error should be detected by DBDGEN.

NAT3994: Inhibit flag of segment in "SOURCE" keyword set to "ON".

Text	Inhibit flag of segment in "SOURCE" keyword set to "ON".
Explanation	The procedure NATDBD is executed for a logical DBD. This DBD contains a SOURCE=((segname,,dbname)) statement to identify segment type "segname" in physical database "dbname". However, the NDB corresponding to "dbname" contains one or more segment types which are marked as inhibited. These segment types were inhibited by Natural during the execution of NATDBD against "dbname" because not all references to the real logical child segment type could be resolved. Module name: NDPBNDBL Problem determination: Item 11.
Action	Before executing NATDBD for a logical DBD, execute NATDBD for all physical DBDs referred to. If the logical relationship is the result of a recursive structure, run NATDBD for the physical DBD at least twice.

NAT3995: Overflow of source error table.

Text	Overflow of source error table.
Explanation	The table which contains the list of segments with an error flag is too small. Module name: NDPBNDBL Problem determination: Item 4.
Action	Contact technical support.

NAT3996: Physical NDB referenced as source was not found.

Text	Physical NDB referenced as source was not found.
Explanation	While processing a segment with a SOURCE parameter, the NDB corresponding to the DBD specified in the SOURCE keyword was not found in the Natural system file. (The NDB has been stored in the Natural system file with some segments having the inhibit flag set to "ON".) Module name: NDPBNDBL Problem determination: Item 4.
Action	Re-execute the NATDBD procedure. For details, see the section on logical databases in the Natural DL/I documentation.

NAT3997: Error when scanning NSB (CMPAT=YES).

Text	Error when scanning NSB (CMPAT=YES).
Explanation	Module name: NDPBNSB1

Action	Check the PSB definition.

58 Natural System Error Messages 4000-4049

NAT4000: Natural error text 4nnn cannot be displayed.

Text	Natural error text 4nnn cannot be displayed.
Explanation	For error NAT4nnn, there is no specific error message available.

NAT4001: Control characters DC, ID, IA must exclude one another.

Text	Control characters DC, ID, IA must exclude one another.
Explanation	These characters for decimal character (DC), input delimiter (ID) and input assign character (IA) must be different from one another, so that they can be distinguished from one another when an input data stream is processed.
Action	Enter different values for DC, ID, IA.

NAT4002: Enter "OFF", "ON", "OPT" or "*".

Text	Enter "OFF", "ON", "OPT" or "*".
Explanation	To set the MCG parameter on the GLOBALS screen, the following options are allowed: - "OFF" de-activates the Natural Optimizer Compiler (NOC). - "ON" activates the NOC without any additional options. - "OPT" or "*" causes a window to be displayed, in which you can activate the NOC and also active/de-activate any additional options (overflow checking, index checking, mixed mode, optimization of I/O statements).
Action	Enter "ON", "OFF", "OPT" or "*" in MCG field on GLOBALS screen.

NAT4003: Additional Options = "Y" only possible with "ON" ="Y".

Text	Additional Options = "Y" only possible with "ON" ="Y".
Explanation	If you wish to activate any additional options of the Natural Optimizer Compiler (NOC) to "Y", you must first activate the NOC itself (set "ON" to "Y"). If you wish to de-activate the NOC (set "ON" to "N"), you must also de-activate any additional options that have been activated.
Action	Also set "ON" to "Y" when you set any additional option to "Y"; or set all additional options to "N" when you set "ON" to "N".

NAT4004: The line size must be zero or between 2 and 250.

Text	The line size must be zero or between 2 and 250.
Explanation	The maximum output in one logical line is 250 characters. If the LS parameter is greater than the physical line size, the text will be wrapped around. If the LS parameter is 0, the physical line size will be used.

Action	Enter a valid value for line size.

NAT4005: The page size must be from 0 to 250.

Text	The page size must be from 0 to 250.
Explanation	Up to 250 lines can be produced by one statement and can be placed on one logical page. PS=0, which can only be specified with a FORMAT statement, means: - For the first report (report 0): the page size of the physical device, minus 1, will be used. - For reports 1-31: newpage processing will be suppressed, that is, no automatic page-break processing will be performed.
Action	Enter a correct value for the PS parameter.

NAT4006: Only "D" or "F" allowed as values for IM parameter.

Text	Only "D" or "F" allowed as values for IM parameter.
Explanation	Only "D" (for delimiter mode) or "F" (for forms mode) may be used as values for the IM (input mode) parameter.
Action	Enter "D" or "F" for IM parameter.

NAT4007: Only "ON" or "OFF" allowed for this type of parameter.

Text	Only "ON" or "OFF" allowed for this type of parameter.
Explanation	The only possible values for this type of parameter are "ON" and "OFF".

Action	Enter either "ON" or "OFF" for this parameter.

NAT4008: The SL parameter value must be between 20 and 250.

Text	The SL parameter value must be between 20 and 250.
Explanation	Source lines can only be from 20 to 250 characters long if they are input in batch mode. The Natural full-screen editor allows lines of up to 72 characters.
Action	Enter a correct value for SL parameter.

NAT4009: The spacing factor must be between 1 and 30.

Text	The spacing factor must be between 1 and 30.
Explanation	30 spaces are the maximum which can be placed between output columns.
Action	Enter correct value (1 - 30) for SF parameter.

NAT4010: Incorrect construction of library ID.

Text	Incorrect construction of library ID.
Explanation	Library identifications must start with a character and may consist of up to eight alphanumeric characters.
Action	Enter correct value for library ID.

NAT4011: You cannot specify a limit which exceeds default limit.

Text	You cannot specify a limit which exceeds default limit.
Explanation	You cannot set the limit to a value which is greater than the default limit value displayed. You may, however, reduce the value for the limit. The default limit value is defined during the Natural initialization.
Action	Enter a value which is lower than the current limit value.

NAT4012: Previous contents of source area has been deleted.

Text	Previous contents of source area has been deleted.
Explanation	You have attempted to catalog a DDM while another object was in the source area. This object has been deleted from the source area, and the source area is now empty.
Action	Before you catalog a DDM, read it into the source area.

NAT4013: The Generate function is only valid for Adabas files.

Text	The Generate function is only valid for Adabas files.
Explanation	- To generate a DDM from a Db2 or SQL/DS table, you use the function "Db2, SQL/DS Services". - To generate a DDM from a DL/I segment description, you use the function "DL/I Services". - A DDM for a VSAM file cannot be generated; you use the Edit function and enter the specifications by hand.

Action	Use appropriate function for database type.

NAT4014: Please enter an Adabas DBID other than "0".

Text	Please enter an Adabas DBID other than "0".
Action	Enter valid DBID.

NAT4015: Read DDM into source area before you catalog it.

Text	Read DDM into source area before you catalog it.
Explanation	Before you can catalog a DDM, you must read it into the source area.
Action	Read DDM into source area.

NAT4016: This function is not available.

Text	This function is not available.
Explanation	The functions "Db2, SQL/DS Services" and "DL/I Services" are only available if Natural for Db2, Natural for SQL/DS or Natural for DL/I respectively has been installed.
Action	Select another function; or contact your database administrator.

NAT4017: Object renamed successfully.

Text	Object renamed successfully.
Action	No action required.

NAT4018: User :1: is cataloging this library with CATALL.

Text	User ... is cataloging this library with CATALL.
Explanation	CATALL of a library is allowed for only one user at a time.
Action	You can 1) try later; 2) contact the person who issued the CATALL and ask him/her to complete the job, or if this person is not available, you can 3) delete the object OCATALL.

NAT4019: File :1: does not exist on database :2:.

Text	File ... does not exist on database ....
Explanation	While checking a DDM against Adabas with an LF call, response code 17, subcode 11 was returned. The FDT to which the DDM refers does not exit in Adabas.
Action	Change the DBID and/or FNR of the DDM, or load the Ababas FDT.

NAT4020: Key settings modified but not updated. Press PF2 to print.

Text	Key settings modified but not updated. Press PF2 to print.
Explanation	The printed output of the Natural PF-key settings may not be the same as the definitions in Natural, because the settings have been modified online, but have not been updated with PF5.

Action	Press PF2 to print the PF-key settings or PF5 to update first.

NAT4021: Key table successfully updated.

Text	Key table successfully updated.
Explanation	The new key settings have been successfully updated for the Natural session.
Action	No action required.

NAT4022: No AIV variables defined.

Text	No AIV variables defined.
Explanation	There are currently no AIV variables.

NAT4023: Valid XREF parameter values are : "ON", "OFF" or "FORCE".

Text	Valid XREF parameter values are : "ON", "OFF" or "FORCE".
Explanation	The XREF parameter indicates whether the active cross-reference feature is to be used. Possible settings are: ON - Natural cross-reference data for database fields, subroutines, and maps are stored in the appropriate Predict entries each time a Natural program is cataloged. OFF - No cross-reference activity is performed. FORCE - A check is made to determine if a Predict entry for the program exists. If so, CATALOG is allowed and cross-reference data are stored. If not, CATALOG is disallowed.

Action	Enter a valid value.

NAT4024: Valid print-mode parameters are: "C","I","P" and/or "R".

Text	Valid print-mode parameters are: "C","I","P" and/or "R".
Explanation	As print-mode parameters, you can specify one or two of the following values: C - Alternative character set I - Inverse direction P - Standard character set R - Normal direction
Action	Enter a valid value.

NAT4025: Maximum possible value for page dataset parameter is 255.

Text	Maximum possible value for page dataset parameter is 255.
Explanation	Up to 255 pages (screens) can be stored simultaneously in the Natural system file (FUSER) with the NATPAGE screen-paging utility. If more pages are written to the system file than specified in the page dataset (PD) parameter, the pages will be wrapped.
Action	Modify the page dataset (PD) parameter to a value between 1 and 255.

NAT4026: The maximum CPU time parameter (MT) is too large.

Text	The maximum CPU time parameter (MT) is too large.

Explanation	The maximum CPU time parameter (MT) specifies the maximum amount of CPU time which can be used by a Natural program. The value is specified in seconds. The value specified exceeds the maximum operating system value. Any value in excess of the maximum is reduced to the maximum supported by the operating system. If MT is set to "0", then no Natural CPU time limit is in effect.
Action	Specify an MT value less than the maximum supported by the operating system.

NAT4027: Only "S","I" or "C" values allowed for DFSTACK parameter.

Text	Only "S","I" or "C" values allowed for DFSTACK parameter.
Explanation	Only "S" (2-byte year), "I" (4-byte year) or "C" (2-byte year with check) may be used as values for the DFSTACK parameter.
Action	Enter "S", "I" or "C" for the DFSTACK parameter.

NAT4028: Only "S" or "I" allowed as values for DFOUT parameter.

Text	Only "S" or "I" allowed as values for DFOUT parameter.
Explanation	Only "S" (2-byte year) or "I" (4-byte year) may be used as values for the DFOUT parameter.
Action	Enter "S" or "I" for the DFOUT parameter.

NAT4029: Object(s) printed.

Text	Object(s) printed.
Explanation	The object(s) you selected, have been routed to the printer.
Action	No action.

NAT4030: Please enter "ON", "OFF" or "VID".

Text	Please enter "ON", "OFF" or "VID".
Explanation	ON: the global format ID will always be generated. OFF: the global format ID will not be generated. VID: the global format ID will be generated for DDMs in LDAs or GDAs.
Action	Enter "ON", "OFF" or "VID".

NAT4031: Please enter "ON" or "OFF".

Text	Please enter "ON" or "OFF".
Explanation	Valid input for this field is "ON" or "OFF" only. Please refer to the documentation for the meaning of the values.
Action	Please insert allowed value.

NAT4032: Please select either "OFF", "ON" or "VID".

Text	Please select either "OFF", "ON" or "VID".
Explanation	Valid input for this field: ON: Global format IDs are generated for all views (default). OFF: No global format IDs are generated. VID: Global format IDs are generated only for views in local/ global data areas, but not for views defined within programs.
Action	Please enter valid value.

NAT4033: Compiler options updated.

Text	Compiler options updated.
Explanation	The compiler options have been updated according to the values displayed on the screen.
Action	No action.

NAT4034: Only "S","I" or "L" values allowed for DFTITLE parameter.

Text	Only "S","I" or "L" values allowed for DFTITLE parameter.
Explanation	Only "S" (short), "I" (internal) or "L" (long) may be used as values for the DFTITLE parameter.
Action	Enter "S", "I" or "L" for the DFTITLE parameter

NAT4035: Invalid value :1: entered.

Text	Invalid value ... entered.
Action	Enter a correct value.

NAT4036: Invalid value :1: passed to parameter :2:.

Text	Invalid value ... passed to parameter ....
Explanation	An invalid value has been passed to a parameter of a Natural module. There may be a wrong input by the user, or an internal error has occurred.
Action	Change input parameter or contact Natural administrator.

NAT4037: :1: must be less than :2:.

Text	... must be less than ....
Explanation	A value you entered must be less than another value.
Action	Enter a smaller value.

NAT4038: :1: must be greater than :2:.

Text	... must be greater than ....
Explanation	A value you entered must be greater than another value.

Action	Enter a greater value.

NAT4039: :1: must be in range of :2: to :3:.

Text	... must be in range of ... to ....
Explanation	An input value may be in a wrong range.
Action	Change input value.

NAT4040: :1: does not exist.

Text	... does not exist.
Explanation	No detailed explanation available.

NAT4041: :1: already exists.

Text	... already exists.
Action	Change input or set a replace option to "yes".

NAT4043: :1: is empty.

Text	... is empty.
Explanation	No detailed explanation available.

NAT4044: Function disallowed by Predict definition.

Text	Function disallowed by Predict definition.
Explanation	Due to definitions in Predict, you are not allowed to use this function.
Action	Contact your Predict administrator.

NAT4045: Error in Predict master record.

Text	Error in Predict master record.
Explanation	No detailed explanation available.

NAT4046: Field is defined as LOB field in Adabas.

Text	Field is defined as LOB field in Adabas.
Explanation	The DDM field is defined as an LOB field in Adabas, but it is not marked with the "LB" field option.
Action	Mark the field with the "LB" field option on the extended field editing map, activated with the .e command.

NAT4047: Field is defined as a long alpha field in Adabas.

Text	Field is defined as a long alpha field in Adabas.

Explanation	The DDM field is defined as a long alpha field in Adabas, but it is not marked with the "LA" field option.
Action	Mark the field with the "LA" field option on the extended field editing map, activated with the .e command.

NAT4048: Extended parameter size too small.

Text	Extended parameter size too small.
Explanation	A Natural subprogram has been called with a dynamic parameter area (1:V). The size of the parameter area in the calling program is smaller than expected in the subprogram.
Action	Change the calling program or contact a Natural administrator.

NAT4049: :1: only allowed for :2:.

Text	... only allowed for ....
Explanation	No detailed explanation available.

59 Natural System Error Messages 4050-4099

NAT4050: Duplicate file number for physical DDM not allowed.

Text	Duplicate file number for physical DDM not allowed.
Explanation	A file number for a physical VSAM DDM may only be used once.
Action	Use another file number or specify "yes" for a replace option.

NAT4051: File related to user DDM does not exist.

Text	File related to user DDM does not exist.
Explanation	A VSAM user DDM is related to physical VSAM DDM, which does not exist. A logical user DDM must have the same file number than the physical file.
Action	Correct the file number or create an appropriate physical VSAM DDM.

NAT4052: There is no physical file with the given number.

Text	There is no physical file with the given number.
Explanation	A VSAM DDM logical refers to a physical VSAM DDM which does not exist.
Action	Create an appropriate physical VSAM DDM, or logically relate the DDM to another physical VSAM DDM.

NAT4053: Logical file must be of type KSDS or VRDS.

Text	Logical file must be of type KSDS or VRDS.
Action	Change the logical file type.

NAT4054: File number missing for related physical file.

Text	File number missing for related physical file.
Action	Enter a file number.

NAT4055: DDM too large, not enough size.

Text	DDM too large, not enough size.
Explanation	A DDM will be temporarily stored in an internal buffer during a CHECK or CAT operation. There is not enough space available to allocate this buffer.

Action	Reduce other Natural buffer sizes (e.g. ESIZE), reduce the size of the DDM or contact a Natural administrator.

NAT4056: Primary key invalid for ESDS files.

Text	Primary key invalid for ESDS files.
Action	Remove the primary-key field.

NAT4057: RRDS files must not contain any key.

Text	RRDS files must not contain any key.
Action	Remove the key.

NAT4058: Duplicate long field name :1: not allowed.

Text	Duplicate long field name ... not allowed.
Explanation	There are two DDM fields with the same long name. This is not allowed.
Action	Change the long name of the DDM field.

NAT4059: :1:

Text	...
Explanation	No detailed explanation available.

NAT4060: KSDS file must contain at least one primary key.

Text	KSDS file must contain at least one primary key.
Action	Insert a primary key in the KSDS DDM.

NAT4061: Alternate index name valid only for types "A", "X".

Text	Alternate index name valid only for types "A", "X".
Explanation	An alternate index is specified for a field, but the descriptor column of the field is not marked with "A" or "X".
Action	Correct error.

NAT4062: Value for :1: must be "Y" or "N".

Text	Value for ... must be "Y" or "N".
Explanation	The value for an input field must be "Y" or "N".
Action	Enter "Y" or "N" or contact a Natural administrator.

NAT4063: :1: must not be blank.

Text	... must not be blank.
Action	Enter a value other than blank, or contact a Natural administrator.

NAT4064: :1: must be :2:.

Text	... must be ....
Explanation	No detailed explanation available.

NAT4065: Catalog :1: disallowed by security definition.

Text	Catalog ... disallowed by security definition.
Explanation	The user does not have the privileges in Natural Security to catalog this DDM.
Action	Contact a Natural Security administrator or change the name of the DDM.

NAT4066: Catalog DDM disallowed for SYSDDM utility.

Text	Catalog DDM disallowed for SYSDDM utility.
Explanation	The user does not have the privileges to catalog a DDM with the SYSDDM Utility.
Action	Contact a Natural Security administrator.

NAT4067: Code "C" not supported. :1:.

Text	Code "C" not supported. ....

Explanation	An internal error during a call to Natural Security occurred. Natural Security does not know code "C" for the cataloging of DDMs. Natural Security issued a response code.
Action	Contact a Natural Security administrator.

NAT4068: Duplicate short name :1: not allowed.

Text	Duplicate short name ... not allowed.
Explanation	It is not allowed for this DDM to use a short name more than once.
Action	Change the short name of a field.

NAT4069: S-Descriptor :1: must not refer to PE/MU field :2:.

Text	S-Descriptor ... must not refer to PE/MU field ....
Explanation	The master field of a super- or subdescriptor must not be a periodic-group or multiple-value field.
Action	Change the super- or subdescriptor.

NAT4070: Creator not found in DDM name, check against table not possible.

Text	Creator not found in DDM name, check against table not possible.
Explanation	The DDM name of an SQL DDM is supposed to consist of the creator name and the table name separated by a "-". If the creator and table name cannot be identified, the SQL DDM cannot be checked against a SQL table. Note that there is no check against the SQL table when you catalog the DDM.

Action	Use a DDM name which consists of creator and table name separated by a "-".

NAT4071: Return code :1: after Adabas LF-command.

Text	Return code ... after Adabas LF-command.
Explanation	An Adabas LF-command was issued to retrieve the field characteristics of an FDT. A non-zero return code was received after the call.
Action	Check the file number of the FDT or contact a Natural administrator.

NAT4072: This command is disallowed.

Text	This command is disallowed.
Explanation	There was an attempt to perform a function which is disallowed by Natural Security.
Action	Contact a Natural Security administrator.

NAT4073: Specify table name and creator name.

Text	Specify table name and creator name.
Explanation	Either the creator name or the table name of an SQL table was missing during an attempt to generate a DDM from an SQL table.
Action	Issue creator and table name.

NAT4074: Table :1: created by :2: not found.

Text	Table ... created by ... not found.
Explanation	The SQL table from which you wanted to create a DDM was not found.
Action	Either create the SQL table or issue the correct creator and table name.

NAT4075: Too many columns for view (< 750).

Text	Too many columns for view (< 750).
Explanation	The SQL table from which you wanted to generate a DDM has too many columns. The maximum number of columns is 750.
Action	Reduce the number of columns in the table.

NAT4076: Error :1: parsing SQL View (NATG0301).

Text	Error ... parsing SQL View (NATG0301).
Explanation	The error occurred during a check of a view for updateable fields. There may be an error in the view definition.
Action	Contact a Natural administrator.

NAT4077: Table :1: has no columns.

Text	Table ... has no columns.
Explanation	An attempt was made to generate a DDM from an SQL table which has no columns.
Action	Contact a Natural administrator.

NAT4078: Too many columns - cannot generate short names.

Text	Too many columns - cannot generate short names.
Explanation	There is a limited number of short names for key fields and non-key fields in SQL DDMs. The maximum number of one kind of field has been exceeded.
Action	Reduce the number of columns in the SQL table.

NAT4079: Invalid database number.

Text	Invalid database number.
Explanation	A database number was issued which is not valid in the context.
Action	Enter another database number.

NAT4080: DDM already defined on database other than :1:.

Text	DDM already defined on database other than :1:.
Explanation	You were trying to catalog a DDM whose name already exists; however, the existing DDM is for a different database than :1:. :1: could be: CNX for SQL databases accessed via NSB, or Db2 for SQL databases accessed via NDB/NSQ.
Action	Remove the existing DDM manually and catalog again, or generate the new DDM in a different FDIC file.

NAT4081: Db2 not active, DDM cannot be tested.

Text	Db2 not active, DDM cannot be tested.
Explanation	An attempt was made to check a Db2 DDM against the Db2 database, but Natural found that Db2 is not active.
Action	Contact a Natural administrator.

NAT4082: Null indicator must be of type I2.

Text	Null indicator must be of type I2.
Explanation	A null indicator is not of the required type and length.
Action	Change format and/or length of the null indicator.

NAT4083: Invalid format or length in LOB or long alpha field.

Text	Invalid format or length in LOB or long alpha field.
Explanation	LOB fields may have the format "A", "B" or "U". The maximum length for format "A" or "B" is 1073741824. The maximum length for format "U" is 536870912. Long alpha fields may have the format "A" or "U". The maximum length for format "A" is 16381. The maximum length for format "U" is 8190.
Action	Specify the correct format/length.

NAT4084: Null indicator is a descriptor.

Text	Null indicator is a descriptor.
Explanation	The null indicator is defined as a descriptor, but the null-indicator field in the DDM is not a descriptor.
Action	Define the null-indicator field of the DDM as a descriptor.

NAT4085: Null indicator could not be related to a field.

Text	Null indicator could not be related to a field.
Explanation	Possible reasons for this message: - The short name of a field and the short name of the corresponding null indicator must be equal. - A null indicator must be preceded by its related DB field.
Action	Change short name or position of null indicator.

NAT4086: Invalid null indicator field name.

Text	Invalid null indicator field name.
Explanation	The long name of a null indicator must be the long name of the corresponding field prefixed by N@. On z/OS platforms, "@" is the character with the hexadecimal value H"7C".
Action	Change the long name of the null indicator.

NAT4087: Format must be binary (B).

Text	Format must be binary (B).
Explanation	The format of a field was found to be binary during the check of the DDM against the database.
Action	Set the format of the field to binary.

NAT4088: Field is not defined as LOB field in Adabas.

Text	Field is not defined as LOB field in Adabas.
Explanation	The DDM field is marked with the field option "LB", which indicates that the field is an Adabas LOB field. However, the field is not defined as an LOB field in Adabas.
Action	Regenerate the DDM; or change the field option on the extended field editing map, activated with the .e line command.

NAT4089: Field is not defined as a long alpha field in Adabas.

Text	Field is not defined as a long alpha field in Adabas.
Explanation	The DDM field is marked with the field option "LA", which indicates that the field is an Adabas long alpha field. However, the field is not defined as a long alpha field in Adabas.
Action	Regenerate the DDM; or change the field option on the extended field editing map, activated with the .e line command.

NAT4090: CMZUL :2: with response code :1:.

Text	CMZUL ... with response code ....
Explanation	There has been an error calling the CMZUL editor.
Action	Contact a Natural administrator.

NAT4091: Invalid file number.

Text	Invalid file number.
Explanation	A file number in the range from 1 to 65535 must be entered.
Action	Enter a valid file number.

NAT4092: CICS file name missing.

Text	CICS file name missing.
Explanation	No detailed explanation available.

NAT4093: Only K,E,R,V (file-org); Y,N (compress); F,C (zone) allowed.

Text	Only K,E,R,V (file-org); Y,N (compress); F,C (zone) allowed.
Explanation	No detailed explanation available.

NAT4094: Y (compress) only allowed for KSDS, ESDS and VRDS files.

Text	Y (compress) only allowed for KSDS, ESDS and VRDS files.
Explanation	No detailed explanation available.

NAT4095: Invalid command, please enter valid command.

Text	Invalid command, please enter valid command.
Explanation	A command has been entered which is not valid.
Action	Enter a valid command.

NAT4096: Element length cannot be greater than :1:.

Text	Element length cannot be greater than ....
Explanation	A length for a field has been entered which is longer than the maximum for this field type.
Action	Check and enter correct length.

NAT4097: Function cancelled.

Text	Function cancelled.
Explanation	A function has been cancelled by the user.
Action	No action required.

NAT4098: :3: :1: invalid for :2: tables.

Text	:3: :1: invalid for :2: tables.
Explanation	The specified database ID/logical file :1: is invalid for the SQL table of type :2:. :2: can be: - CNX for tables accessed via NSB or - DB2 for tables accessed via NDB or NSQ. The SQL type associated with a database ID is defined by the NDBID macro of the NDB parameter module. :1: is either the Lfile number or the database ID. :3: is either "Logical File" or "Database ID".
Action	Enter or select a valid database ID for this type of table.

NAT4099: Not allowed to write a Super Natural user file.

Text	Not allowed to write a Super Natural user file.
Explanation	A Super Natural user file will be generated by a Super Natural application. You can read or list the file and store or backup it with another file type. But it is not allowed to change it, because the Super Natural application which uses the file may not longer run.

60 Natural System Error Messages 4100-4149

NAT4100: Please specify a file name.

Text	Please specify a file name.
Explanation	If the function LIST FILE is selected, a file name must be specified.
Action	Enter function and file name.

NAT4101: Currently no object in source work area.

Text	Currently no object in source work area.
Explanation	If you issue the LIST command without any parameters, the source of the object currently residing in the source work area will be listed. However, the source work area is currently empty.
Action	With the LIST command, specify the name of the object to be listed.

NAT4102: Input value(s) for line selection must be numeric.

Text	Input value(s) for line selection must be numeric.
Explanation	Only a numeric value may be specified for selected lines of a program to be listed.
Action	Enter a numeric value for line selection.

NAT4103: Scan function for cross-reference requires scan value.

Text	Scan function for cross-reference requires scan value.
Explanation	The cross-reference for a value can only be evaluated if an alphanumeric constant has been specified as value.
Action	Enter a scan value.

NAT4104: Invalid LIST subcommand.

Text	Invalid LIST subcommand.
Explanation	An invalid subcommand was specified for the LIST function. Use the HELP command to get an overview of valid commands.
Action	Enter a valid LIST subcommand.

NAT4105: Cross-reference table overflow.

Text	Cross-reference table overflow.
Explanation	The internal table to hold the cross-reference list can only hold up to 240 references. For the specified value, however, more references exist.
Action	Use a more specific value for reference.

NAT4106: Line number out of range; listing will be from 1st line.

Text	Line number out of range; listing will be from 1st line.
Explanation	A line number was specified that does not exist in the program. The LIST function will list the program from the beginning.
Action	Enter correct line number.

NAT4107: Program terminated abnormally.

Text	Program terminated abnormally.
Explanation	In batch mode, the execution of a program was terminated abnormally. The reason for the error is displayed in the batch output list above this message.
Action	See reason for error in output list.

NAT4110: Selected number is out of range.

Text	Selected number is out of range.
Explanation	Only file references of file names that are displayed for selection can be referenced. The specified number is out of range.
Action	Enter correct selection number.

NAT4115: Line number not numeric; listing will be from first line.

Text	Line number not numeric; listing will be from first line.
Explanation	A specification for a line number selection was not numeric. The program will be listed from the beginning.
Action	Enter correct number for line selection.

NAT4116: Starting number greater than highest existing line number.

Text	Starting number greater than highest existing line number.
Explanation	The line number specified for positioning was greater than the highest line number existing in the program. The program will be listed from the beginning.
Action	Enter a correct line number.

NAT4119: Selected program does not exist in specified library.

Text	Selected program does not exist in specified library.
Explanation	The program selected by the specified program name does not exist in the specified library.
Action	Enter correct program name.

NAT4121: Only one program can be selected for editing.

Text	Only one program can be selected for editing.
Explanation	The selection menu allows only one program to be selected for editing. It is possible to select multiple programs for cataloging, purging, scratching, listing, etc.
Action	Select only one program for editing.

NAT4122: Selected number out of range for LIST PROGRAM.

Text	Selected number out of range for LIST PROGRAM.
Explanation	Only program numbers displayed on the selection menu may be selected.
Action	Enter valid selection number.

NAT4123: The current library does not contain any source programs.

Text	The current library does not contain any source programs.
Action	Check program and correct error.

NAT4125: The requested file description is not available.

Text	The requested file description is not available.
Explanation	The file description which has been specified for listing does not exist.
Action	Check program and correct error; specify correct file name.

NAT4126: Requested field name not found in DDM.

Text	Requested field name not found in DDM.
Explanation	The requested field name was not found in the DDM. Only the Natural field long names are recognized.
Action	Enter "--" to position to the top of the DDM.

NAT4127: Invalid LIST FILE command.

Text	Invalid LIST FILE command.
Explanation	An invalid LIST FILE command was used in the split-screen editor.

Action	Enter "?" for help information on valid commands.

NAT4128: File description listing will be truncated.

Text	File description listing will be truncated.
Explanation	The size of the DDM to be listed is too large.
Action	Check program and correct error.

NAT4129: No scan value specified.

Text	No scan value specified.
Explanation	In split-screen mode, you have to specify a value to be scanned for with the command "S SC value", before you can enter the command "S SC=" to repeat the scan.
Action	Enter correct command.

NAT4130: Only local commands allowed.

Text	Only local commands allowed.
Explanation	In this part of the application only local commands are allowed.
Action	Use help function on command line.

NAT4131: The library was empty, no programs were purged.

Text	The library was empty, no programs were purged.
Explanation	The PURGE command was issued for a library which does not contain any source programs.
Action	Check program and correct error.

NAT4132: No command available for LAST command.

Text	No command available for LAST command.
Explanation	The LAST command is used to display the command(s) that was/were issued last. However, when you issued the LAST command, there was no command issued before.
Action	No action required.

NAT4133: The command requested with LAST is not available.

Text	The command requested with LAST is not available.
Explanation	With the command LAST, you have requested a specific command; however, this specific command is not available.
Action	Issue the command "LAST *" for a list of the last 9 commands that have been issued.

NAT4134: Invalid command selection.

Text	Invalid command selection.
Explanation	In the window invoked with "LAST *", you can select commands as follows: - To execute a single command again, mark the command with any character and press ENTER; or mark the command with the cursor and press PF5. - To execute several commands, mark them with numbers in the order in which you wish them to be executed again and press ENTER; the commands will then be executed in ascending order of numbers. This error has occurred because you have used the same number twice, or have marked one of the commands with a letter instead of a number.
Action	Select commands correctly.

NAT4135: Only "L" or "V" allowed as values for DO parameter.

Text	Only "L" or "V" allowed as values for DO parameter.
Explanation	DO=L - Data to display have logical order (default). DO=V - Data to display have visual order.
Action	Change value for DO parameter to a valid value.

NAT4136: Selection list not available for code L.

Text	Selection list not available for code L.
Explanation	The function code L lists the required objects in a selection list. The field Selection list should not be used.
Action	Set Selection list to "N" for function code L.

NAT4137: Object name must be "*" when a Predict set is used.

Text	Object name must be "*" when a Predict set is used.
Explanation	When the Predict set number is defined, no objects can be defined in the field Object Name.
Action	Set Object Name to "*".

61 Natural System Error Messages 4150-4199

NAT4199: Object :1:(:2:/:3:/:4:) disabled by bufferpool :5:/:6: blacklist.

Text	Object ...(.../.../...) disabled by bufferpool .../... blacklist.
Explanation	The object <name(library/dbid/fnr)> to be executed is contained in the blacklist of the current buffer pool <host-id/buffer-pool-name> (see the SYSBPM utility documentation).
Action	Remove the program from the blacklist.

62 Natural System Error Messages 4200-4249

NAT4201: The file number must be in the range 1 - 65535.

Text	The file number must be in the range 1 - 65535.
Explanation	The database file number must be in the range from 1 to 65535.
Action	Enter correct file number.

NAT4202: First character of file name must be alphabetical.

Text	First character of file name must be alphabetical.
Explanation	A valid file name must begin with an alphabetical character, and may be constructed according to the rules for variable names (as described in the section on user-defined variables in the Natural documentation).
Action	Enter correct file name.

NAT4203: A file name must be specified.

Text	A file name must be specified.
Explanation	For the CATALOG function, which requires a file name, no file name was specified.
Action	Enter a valid file name.

NAT4204: Level must be higher than previous level.

Text	Level must be higher than previous level.
Action	Check and correct the level.

NAT4205: Invalid characters in file name.

Text	Invalid characters in file name.
Explanation	A file name must be constructed according to the rules for variable names (see the section on user-defined variables in the Natural documentation).
Action	Enter a correct file name.

NAT4206: Invalid name for the "default sequence" field.

Text	Invalid name for the "default sequence" field.

Explanation	An invalid name was specified for the default sequence descriptor. The default descriptor must be specified as the 2-character short name of a field which must exist as a descriptor in the global database file definition.
Action	Enter correct name for default sequence descriptor.

NAT4207: Invalid database field name for coupling field.

Text	Invalid database field name for coupling field.
Explanation	The field name specified for the coupling relation must be specified as a 2-character short name and must begin with an alphabetical character. The field to be used for the coupling relation must exist in the global database file definition.
Action	Enter correct name for coupling field.

NAT4208: Invalid field name for coupling field (columns S + D).

Text	Invalid field name for coupling field (columns S + D).
Explanation	The name for the coupling field must be specified as a 2-character database field name beginning with an alphabetical character and must exist in the global file definition. The value for the coupling field name must be entered in the columns with headings S and D (one character each).
Action	Enter correct coupling field name.

NAT4209: Coupled file number not numeric.

Text	Coupled file number not numeric.
Explanation	The identification of the coupled file must be entered as the file number in the database. The identification must be a valid file number in the range from 1 to 255. It must be entered in the field with heading "LENG".
Action	Enter correct coupling file number.

NAT4210: Occurrence value must be 1-999.

Text	Occurrence value must be 1-999.
Explanation	The specified value for the occurrence is not correct. Only values in the range from 1 to 999 are allowed for a periodic group or multiple-value field.
Action	Enter correct value for occurrence.

NAT4211: Database short field name must be specified (column DB).

Text	Database short field name must be specified (column DB).
Explanation	The specification of a field requires a database short field name. The short field name must be 2 characters long and begin with an alphabetical character.
Action	Enter correct field short name.

NAT4212: Field long name must be specified (column NAME).

Text	Field long name must be specified (column NAME).
Explanation	The specification of a field requires a long name to be specified for a field. The long name must begin with an alphabetical character and must be constructed according to the rules for variable names (see the section on user-defined variables in the Natural documentation).
Action	Enter valid long field name.

NAT4213: First character of field long name must be alphabetical.

Text	First character of field long name must be alphabetical.
Explanation	The first character of a field"s long name must be alphabetical.
Action	Enter a valid long name for the field.

NAT4214: Field format (column F) must be A,B,U,I,N,P,F,D,T or L.

Text	Field format (column F) must be A,B,U,I,N,P,F,D,T or L.
Explanation	Only one of the following formats may be specified for a database field: A - alphanumeric B - binary U - unicode I - integer N - numeric unpacked P - packed numeric F - floating point D - date T - time L - logical

Action	Enter a valid format.

NAT4215: Alpha field length must be 1-253 or LA/LB option must be set.

Text	Alpha field length must be 1-253 or LA/LB option must be set.
Explanation	Fixed-length alphanumeric fields can only have a length of up to 253 characters. A variable-length field may be defined as DYNAMIC by setting the format option LA or LB. Use the .E line command to enter a format option.
Action	Enter a valid field length or set LA/LB format option.

NAT4216: The length of a numeric field must be 1 - 29.

Text	The length of a numeric field must be 1 - 29.
Explanation	The maximum length for a numeric field is 29 digits. The length for a numeric field is always specified in digits.
Action	Enter valid numeric length.

NAT4217: VSAM descriptor can only be "P","S","A","X" or blank.

Text	VSAM descriptor can only be "P","S","A","X" or blank.
Explanation	A character other than "P", "S", "A", "X" or blank has been specified to mark a field as a descriptor field.

Action	Enter correct character (P, S, A, X or blank).

NAT4218: Specification of field length must be numeric.

Text	Specification of field length must be numeric.
Explanation	The specification for the field length must be numeric in the form "nn.m", where "nn" represents the digits before and "m" the digits after the decimal character.
Action	Enter correct length.

NAT4219: Field long name must consist of at least 3 characters.

Text	Field long name must consist of at least 3 characters.
Explanation	The long name for a field must consist of 3 or more characters.
Action	Enter valid field long name.

NAT4220: Invalid characters in long name.

Text	Invalid characters in long name.
Explanation	Long field names must be constructed according to the rules for variable names and must begin with an alphabetical character (see the section on user-defined variables in the Natural documentation).
Action	Enter valid field long name.

NAT4221: Invalid database short name (column DB).

Text	Invalid database short name (column DB).
Explanation	The field short name must have 2 characters and must begin with an alphabetical character. The field short name must not be "E0" to "E9".
Action	Enter valid database short name.

NAT4222: Length of a binary field must be 1 - 126.

Text	Length of a binary field must be 1 - 126.
Explanation	Binary fields can only have a length between 1 and 126.
Action	Correct the length value of the field.

NAT4223: Field type (column T) must be "*", "P", "G", "M", blank.

Text	Field type (column T) must be "*", "P", "G", "M", blank.
Explanation	Valid field types to be specified in column T are: * - comment line P - periodic group G - group of fields M - multiple-value field " " - elementary field
Action	Enter valid field type.

NAT4224: Special options or descriptor entered for group.

Text	Special options or descriptor entered for group.
Explanation	For a field group, no special options or "D" (for descriptor) can be specified. Special options must be specified for the individual fields.
Action	Do not enter special options for field groups.

NAT4225: Invalid level. Level must be 1 - 7.

Text	Invalid level. Level must be 1 - 7.
Explanation	Field levels can only be 1 - 7.
Action	Enter valid level number.

NAT4226: Periodic group within periodic group is not allowed.

Text	Periodic group within periodic group is not allowed.
Explanation	Periodic groups cannot be nested; i.e., a periodic group must not contain another periodic group.
Action	Check program and correct error.

NAT4227: Edit mask must not be specified for a group.

Text	Edit mask must not be specified for a group.

Explanation	No edit mask specification is allowed for a field (periodic) group. Edit masks can only be specified for individual fields.
Action	Check program and correct error.

NAT4228: Format must not be specified for a group.

Text	Format must not be specified for a group.
Explanation	For a group, no format can be specified. Formats can only be specified for individual fields.
Action	Check program and correct error.

NAT4229: Length must not be specified for a group.

Text	Length must not be specified for a group.
Explanation	For a field group, no length can be specified. Field lengths may only be specified for individual fields.
Action	Check program and correct error.

NAT4230: Special option (column S) must be "N", "F", or blank.

Text	Special option (column S) must be "N", "F", or blank.
Explanation	Valid special options are: N - null-value suppression F - fixed field length " " - normal

Action	Enter valid special option.

NAT4231: Coupled file entries must be specified at start of DDM.

Text	Coupled file entries must be specified at start of DDM.
Explanation	Coupled file entries must be specified at the start of the DDM.
Action	Enter the coupled file entries at the start of the DDM.

NAT4232: Alternate index missing for VSAM.

Text	Alternate index missing for VSAM.
Explanation	If the descriptor is "A", an alternate index must be specified.
Action	Enter the alternate index.

NAT4233: Occurrence must be greater than "1".

Text	Occurrence must be greater than "1".
Explanation	For a periodic group or a multiple-value field, only an occurrence greater than "1" is permitted.
Action	Enter correct value for the occurrence.

NAT4234: Multiple-value field within periodic group not allowed.

Text	Multiple-value field within periodic group not allowed.
Explanation	In VSAM processing, a periodic group must not contain a multiple-value field.
Action	Change the field in the DDM.

NAT4235: Multiple-value field cannot be a descriptor.

Text	Multiple-value field cannot be a descriptor.
Explanation	For VSAM processing, a multiple-value field cannot be a descriptor.
Action	Change the field type, or remove the descriptor indication.

NAT4236: Occurrence missing for periodic group.

Text	Occurrence missing for periodic group.
Explanation	In VSAM processing, an occurrence greater than "1" must be specified for a periodic group.
Action	Enter the correct occurrence.

NAT4237: Alternate index not allowed for group or periodic group.

Text	Alternate index not allowed for group or periodic group.

Explanation	In VSAM processing, an alternate index is not allowed for a group or a periodic group.
Action	Change type of field, or do not specify an alternate index.

NAT4238: Coupled file entry not allowed.

Text	Coupled file entry not allowed.
Explanation	In VSAM processing, coupled file entries in the DDM are not allowed.
Action	Remove the coupled file entries.

NAT4239: Illegal characters in alternate index file name.

Text	Illegal characters in alternate index file name.
Explanation	The correct syntax for the alternate index file name requires that the first character be alphanumeric; the following characters may either be alphanumeric or numeric.
Action	Enter correct file name.

NAT4240: DBID numbers must exclude one another.

Text	DBID numbers must exclude one another.
Explanation	When copying files, the database identifications (DBIDs) of the files must be different from one another.

Action	Enter correct DBID.

NAT4241: Primary key has been defined twice.

Text	Primary key has been defined twice.
Explanation	In VSAM processing, only one field may be specified as primary key.
Action	Define only one primary key.

NAT4242: Type must be blank.

Text	Type must be blank.
Explanation	In VSAM processing, the type of the field where the primary key is specified must be specified with a blank character.
Action	Change type to a blank character.

NAT4243: Primary key has not been specified.

Text	Primary key has not been specified.
Explanation	In VSAM processing, one primary key must be specified in the DDM.
Action	Enter one primary key field.

NAT4244: Duplicate name in DDM not possible.

Text	Duplicate name in DDM not possible.
Explanation	There is a name in the DDM which is specified twice.
Action	Change the name which is specified twice.

NAT4245: The CICS file name is missing.

Text	The CICS file name is missing.
Explanation	The CICS file name in the definition of the file entry is missing.
Action	Enter the CICS file name.

NAT4246: Only "Y" or "N" may be entered in this field.

Text	Only "Y" or "N" may be entered in this field.
Explanation	In this field, you may only enter "Y" (for YES) or "N" (for NO).
Action	Enter "Y" or "N".

NAT4247: Periodic group is not in FDT.

Text	Periodic group is not in FDT.

Explanation	There is a periodic group specified in the DDM which does not appear in the corresponding Field Description Table (FDT).
Action	Check DDM for the specified periodic group.

NAT4248: Use unique key flag/null flag only for VSAM upgrade.

Text	Use unique key flag/null flag only for VSAM upgrade.
Explanation	The unique key flag and the null flag can only be specified if the upgrade flag has been signed. This is only meaningful if the field has an alternate index.
Action	Specify correct combination of flags.

NAT4249: Invalid format or length.

Text	Invalid format or length.
Explanation	Only the following format/length combinations are valid: - INTEGER (I4) - FLOAT (F4/F8) - DATE - TIME - LOGICAL (L1).
Action	Check DDM and correct error.

63 Natural System Error Messages 4250-4299

NAT4250: Invalid character in descriptor option.

Text	Invalid character in descriptor option.
Explanation	In column D, only the following values are allowed: D - descriptor S - subdescriptor or superdescriptor P - phonetic descriptor " " - not a descriptor and for VSAM files: P - primary index A - alternate index
Action	Enter valid descriptor option.

NAT4251: Invalid action code specified.

Text	Invalid action code specified.
Explanation	Only the action codes displayed on the selection menu may be specified.

Action	Enter valid action code.

NAT4252: LIST function executed.

Text	LIST function executed.
Action	No action required.

NAT4253: Invalid file number specified.

Text	Invalid file number specified.
Explanation	The database file number must be specified as a number between 1 and 65535.
Action	Enter a valid file number.

NAT4254: DBID numbers must be different and cannot be "0".

Text	DBID numbers must be different and cannot be "0".
Explanation	The database number must be specified as a number between 1 and 65535 (DBID=254 indicates a VSAM file; DBID=255 indicates a logical file).
Action	Enter a valid database number.

NAT4255: File definition does not exist in data dictionary.

Text	File definition does not exist in data dictionary.
Explanation	The referenced file definition cannot be found in the data dictionary. Either a wrong name was specified or the data dictionary entry has not yet been defined.
Action	Enter valid file name from data dictionary.

NAT4256: Invalid type of system file.

Text	Invalid type of system file.
Explanation	The following values are valid for specifying the type of system file: A - Adabas system file V - VSAM system file
Action	Specify correct value for system file type.

NAT4257: Invalid name for VSAM system file.

Text	Invalid name for VSAM system file.
Explanation	A valid name for the VSAM system file is required. This name is the same as specified in the Natural parameter module with the VSAM parameter (VSAM=name of VSAM system file).
Action	Specify correct name of VSAM system file.

NAT4258: Source and target destination must be different.

Text	Source and target destination must be different.
Explanation	When copying programs, modules, or DDMs with the Natural utilities SYSMAIN or SYSDDM, a valid source and target destination must be specified. Target destinations may be DBID, FNR, System File Type, or System File Name (in case of VSAM system file). The source and target destination may not have the same values.
Action	Specify correct source and target destination.

NAT4259: DDM length exceeds 64K.

Text	DDM length exceeds 64K.
Explanation	The length of a DDM may not exceed 64K.
Action	Reduce the size of the DDM.

NAT4261: View cannot be read/listed; FSIZE is too small.

Text	View cannot be read/listed; FSIZE is too small.
Explanation	The view that is to be read/listed is too large to fit into the current File Buffer. This error may occur when reading a view with an online utility, listing a view with a command, or incorporating a view into a Natural object with an editor.
Action	Reduce the specifications in the file definition, or increase the value for the FSIZE parameter.

NAT4262: File definition already exists in data dictionary.

Text	File definition already exists in data dictionary.
Explanation	A duplicate name for a file definition entry in the data dictionary was specified.
Action	Enter different file name or delete existing entry. If necessary, use the REPLACE option to overwrite the existing file definition.

NAT4263: Dupl. file number for physical DDM not allowed.

Text	Dupl. file number for physical DDM not allowed.
Explanation	The file number for a physical DDM must be unique. Duplicate file numbers are only allowed in the case of user views where the file number must be the same for the user view and the related physical (logical) DDM.
Action	Correct the file number or. in the case of a user view, specify "USERVIEW=Y" in the DDM.

NAT4264: There is no physical file with the given file number.

Text	There is no physical file with the given file number.
Explanation	In constructing a logical file, during the CATALOG action, you have to specify the file number of the related physical file.
Action	Either specify another file number or create a file with this number.

NAT4265: File related to the user view does not exist.

Text	File related to the user view does not exist.
Explanation	The file number used during user view creation must represent an existing physical file.
Action	Use correct file number.

NAT4266: Logical file must be of type KSDS or VRDS.

Text	Logical file must be of type KSDS or VRDS.

NAT4267: File number is missing for related physical file :1:.

Text	File number is missing for related physical file ....
Explanation	Each logical file must refer to a physical file.
Action	Check file number.

NAT4268: Only K,E,R,V (file-org); Y,N (compression) allowed.

Text	Only K,E,R,V (file-org); Y,N (compression) allowed.
Explanation	For File Organization, you can only enter K,E,R,V. For Compression, you can only enter Y=yes, N=no.
Action	Enter a valid value.

NAT4269: Y (compression) only allowed for KSDS, ESDS, VRDS files.

Text	Y (compression) only allowed for KSDS, ESDS, VRDS files.

NAT4270: Duplicate long field name not allowed.

Text	Duplicate long field name not allowed.
Explanation	Long names of fields must be unique.

NAT4271: Error not directly corrigible. Press ENTER to edit DDM.

Text	Error not directly corrigible. Press ENTER to edit DDM.
Explanation	The error cannot be corrected interactively while processing the file definition.
Action	Use the editor to correct the error, and then repeat the desired action.

NAT4272: Periodic group cannot be descriptor or have special option.

Text	Periodic group cannot be descriptor or have special option.
Explanation	For a periodic group, a descriptor or a value for the special option must not be specified.
Action	Check whether the field is a group; if it is and should be, specify no values for descriptor and/or special option.

NAT4274: Field is not member of this periodic group.

Text	Field is not member of this periodic group.
Action	Correct the field (level).

NAT4275: Field is member of a periodic group.

Text	Field is member of a periodic group.
Action	Correct field.

NAT4277: Field is not a multiple-value field.

Text	Field is not a multiple-value field.
Explanation	In the FDT (Field Description Table), the field is not a multiple-value field.
Action	Specify the correct type of the field.

NAT4278: Level number must be incremented consecutively.

Text	Level number must be incremented consecutively.
Explanation	The difference between two level numbers must be "1".
Action	Correct the level number.

NAT4279: The field specified in the DDM is not in the FDT.

Text	The field specified in the DDM is not in the FDT.
Explanation	The field specified in the DDM does not exist in the corresponding Field Description Table (FDT).
Action	Check whether the correct field has been specified.

NAT4280: Format must be alphanumeric (A).

Text	Format must be alphanumeric (A).
Explanation	In the FDT, the format is specified as alphanumeric, and the format in the DDM must be the same as in the FDT.
Action	Change the format to alphanumeric (A).

NAT4281: Primary key definition invalid for ESDS files.

Text	Primary key definition invalid for ESDS files.
Explanation	Please refer to IBM literature for details.

NAT4282: RRDS files may not contain any keys.

Text	RRDS files may not contain any keys.
Explanation	Please refer to IBM literature for details.

NAT4283: KSDS file must contain at least one primary key.

Text	KSDS file must contain at least one primary key.
Explanation	Please refer to the IBM literature for details.

NAT4285: Periodic group must be specified with "P".

Text	Periodic group must be specified with "P".
Explanation	The indicator for a periodic group is "P".
Action	Specify the correct type, "P".

NAT4287: Field is not a descriptor.

Text	Field is not a descriptor.
Explanation	A wrong character has been specified in the descriptor field.
Action	Specify correct character for descriptor field: " " or "D".

NAT4288: A group must contain at least one field.

Text	A group must contain at least one field.
Explanation	A group must contain at least one field, or another group.

Action	Check the level or add fields to the group.

NAT4289: You are not allowed to LIST or CATALOG this DDM.

Text	You are not allowed to LIST or CATALOG this DDM.
Explanation	You are not linked to the file in the Natural Security System and, therefore, not allowed to LIST or CATALOG the DDM.
Action	Contact your Natural Security administrator.

NAT4290: You are not authorized to catalog this DDM.

Text	You are not authorized to catalog this DDM.
Explanation	Natural SECRITY does not allow you to catalog this DDM.
Action	Contact your Natural Security administrator.

NAT4291: Do not specify both, edit command and line command.

Text	Do not specify both, edit command and line command.
Explanation	When editing, only one command may be specified, either in a source line or in the command line.
Action	Press ENTER to eliminate line command.

NAT4292: Line subcommand outside source lines.

Text	Line subcommand outside source lines.
Explanation	A line subcommand may only be entered in one of the source lines that are displayed for editing.
Action	Enter line command in a source line.

NAT4293: Invalid positioning number.

Text	Invalid positioning number.
Explanation	A positioning action was requested, but the position number was specified incorrectly.
Action	Enter valid position number.

NAT4294: No line has been marked with "X".

Text	No line has been marked with "X".
Explanation	A MOVE, COPY, SHIFT, or X subcommand was used, but no line was marked with "X".
Action	Mark a line with "X" before referencing it.

NAT4295: No line has been marked with "Y".

Text	No line has been marked with "Y".
Explanation	A MOVE, COPY, or SHIFT command was specified, but no line was marked with "Y".
Action	Mark a line with "Y" before referencing it.

NAT4296: "Y" position must be after "X" position.

Text	"Y" position must be after "X" position.
Explanation	The "Y "position must always be located AFTER the "X" position in the program.
Action	Position "X" and "Y" correctly.

NAT4297: Copied/moved lines overlap target line.

Text	Copied/moved lines overlap target line.
Explanation	A MOVE/COPY line command can only be executed if the target position to which the lines are to be moved/copied is outside the range marked with the labels "X" and "Y".
Action	Reposition "X" or "Y", or move/copy to different target position.

NAT4298: Invalid label in MOVE command.

Text	Invalid label in MOVE command.
Explanation	Only "X" or "Y" may be used as labels in MOVE command.
Action	Enter valid label for MOVE command.

NAT4299: Invalid edit command. Enter "?" for help.

Text	Invalid edit command. Enter "?" for help.
Explanation	An invalid command was specified in the edit command line.
Action	Enter valid edit command. For information on valid edit commands, enter "?" for help.

64 Natural System Error Messages 4300-4349

NAT4301: No line number space for insertion, renumbering.

Text	No line number space for insertion, renumbering.
Explanation	Line numbering does not allow for insertion of lines between the selected lines.
Action	Press ENTER to renumber or use specific RENUMBER command. Renumber the source before inserting.

NAT4303: Edit field definition.

Text	Edit field definition.
Explanation	The detail specification for a field definition may be edited.
Action	Perform desired editing.

NAT4312: Requested file description not available.

Text	Requested file description not available.
Explanation	The file definition to be read cannot be found in the data dictionary.
Action	Enter correct input.

NAT4322: Undefined command.

Text	Undefined command.
Action	Enter valid command; or enter "?" to invoke help information on valid commands.

NAT4323: No DDM with specified file number found.

Text	No DDM with specified file number found.
Explanation	There is no DDM with the given file number stored in the system file.
Action	Enter a correct file number.

NAT4324: End of list.

Text	End of list.
Explanation	The end of the file definition list was reached.

Action	Check program and correct error.

NAT4331: Enter "DELETE" or leave blank.

Text	Enter "DELETE" or leave blank.
Explanation	If the DELETE function is requested, you must confirm the desired deletion by entering the word "DELETE". If the deletion is not desired, leave the field blank.
Action	Enter correct input.

NAT4332: Uncatalog action of file definition was not confirmed.

Text	Uncatalog action of file definition was not confirmed.
Action	Check program and correct error.

NAT4333: File definition does not exist in data dictionary.

Text	File definition does not exist in data dictionary.
Explanation	The specified file definition does not exist in the data dictionary.
Action	Enter valid name for file definition.

NAT4341: DDM is linked and will be read from the system file.

Text	DDM is linked and will be read from the system file.
Explanation	The DDM which is to be read is linked. When you press ENTER, the DDM will be read from the system file into the source area.
Action	Press ENTER to read DDM. If you make any changes to the DDM, link it to the Natural nucleus again.

NAT4342: Help information has been displayed.

Text	Help information has been displayed.
Action	No action required.

NAT4343: DDM is linked, but cannot be accessed by SYSDDM.

Text	DDM is linked, but cannot be accessed by SYSDDM.
Explanation	The DDM to be read is linked to the Natural nucleus. However, it does not exist on the system file (FDIC) from which it is to be read, because either you are accessing the wrong system file or the DDM has been deleted from the system file.
Action	Make sure you use the correct system file.

65 Natural System Error Messages 4350-4399

NAT4371: A database response code was received.

Text	A database response code was received.
Action	Note the response code and contact your database administrator.

NAT4373: Internal non-zero response code was received.

Text	Internal non-zero response code was received.
Explanation	A non-zero response code was received from an internal subroutine.
Action	Note the error and contact AG Technical Support.

NAT4380: Correct field entry line directly, or press ENTER for editing.

Text	Correct field entry line directly, or press ENTER for editing.

Explanation	You can correct the error directly while the file definition is being processed.
Action	Correct the error in the field entry.

NAT4390: The file definition has been cataloged.

Text	The file definition has been cataloged.
Explanation	The file definition has been cataloged and stored in the data dictionary.
Action	No action required.

NAT4391: File definition checked successfully against the database.

Text	File definition checked successfully against the database.
Explanation	The file definition has been compared with the definition in the physical database and no inconsistencies between the two have been found.
Action	No action required.

NAT4392: The file definition for the file has been generated.

Text	The file definition for the file has been generated.
Explanation	The file definition for the data dictionary has been successfully generated from the physical file definition in the database. The file definition is now available in the work area.

Action	No action required.

NAT4393: The file definition has been read into the work area.

Text	The file definition has been read into the work area.
Explanation	The file definition has been read successfully from the data dictionary into the work area.
Action	No action required.

NAT4394: File list selection menu has been displayed.

Text	File list selection menu has been displayed.
Action	No action required.

NAT4395: The file definition has been uncataloged.

Text	The file definition has been uncataloged.
Explanation	The file definition has been uncataloged from the data dictionary.
Action	No action required.

66 Natural System Error Messages 4400-4449

NAT4404: Error in internal subroutine.

Text	Error in internal subroutine.
Action	Note error and contact technical support.

NAT4405: The selected number is out of range.

Text	The selected number is out of range.
Explanation	You may only select numbers for global variables that are displayed on the screen.
Action	Enter correct number for selection.

NAT4406: Number for selection of global variable is missing.

Text	Number for selection of global variable is missing.

Explanation	A number from the display screen must be entered to select a global variable for processing.
Action	Enter correct selection number.

NAT4408: Unknown function, enter "?" for help.

Text	Unknown function, enter "?" for help.
Action	Enter valid function, or "?" for help information on valid functions for global variables.

NAT4409: Contents of work area will be deleted.

Text	Contents of work area will be deleted.
Explanation	The requested function will delete the source object which is currently in the source work area.
Action	- If you do not wish the source to be deleted, leave the function with PF12, SAVE the source, and then perform the function. - Otherwise press ENTER and continue.

NAT4410: This file number already exists.

Text	This file number already exists.
Explanation	Each DDM must have a unique file number.
Action	Correct the file number.

NAT4411: File number does not correspond to file name for replace.

Text	File number does not correspond to file name for replace.
Explanation	When you catalog a VSAM DDM to a VSAM system file using the REPLACE option, the file name (number) must already exist on the VSAM system file, so as to avoid duplicate records. If a new DDM is to be cataloged with the layout of an old one, use an unused file name and file number and catalog without the REPLACE option.
Action	Catalog the DDM with a file name (number) that does not exist on the VSAM system file. Do not use the REPLACE option in this case.

NAT4412: Format must be "A", "P", "N", or "B".

Text	Format must be "A", "P", "N", or "B".
Explanation	Possible formats are: A - alphanumeric N - numeric unpacked P - packed numeric B - binary
Action	Enter valid field format.

NAT4413: Length of an alphanumeric variable must not exceed 253.

Text	Length of an alphanumeric variable must not exceed 253.
Action	Enter valid length for variable.

NAT4414: The length of a binary variable must not exceed 126.

Text	The length of a binary variable must not exceed 126.
Action	Enter valid length for binary variable.

NAT4415: Overall length of numeric field (n.m) must not exceed 29.

Text	Overall length of numeric field (n.m) must not exceed 29.
Explanation	The overall length of a numeric field, i.e. the aggregate number of digits before and after the decimal character, must not exceed 29.
Action	Enter valid length for numeric variable.

NAT4416: No more than 29 positions allowed after decimal character.

Text	No more than 29 positions allowed after decimal character.
Explanation	For a numeric variable, the number of digits AFTER the decimal character must not exceed 29.
Action	Enter valid number of digits after decimal character.

NAT4417: REPLACE only valid for DDM contained in VSAM system file.

Text	REPLACE only valid for DDM contained in VSAM system file.
Explanation	A DDM may not be cataloged with the REPLACE option being used, unless the DDM already exists in the VSAM system file.

Action	Do not use the REPLACE option, unless the DDM already exists in the system file.

NAT4418: Name for global variable must start with a "+".

Text	Name for global variable must start with a "+".
Explanation	The name of a global variable must begin with a "+".
Action	Enter "+" as the first character in the name of the global variable.

NAT4419: Invalid variable name.

Text	Invalid variable name.
Explanation	The name of a global variable must begin with the character "+" and must be built according to the rules for variable names. The name must not contain a blank character.
Action	Enter a valid name for the variable.

NAT4420: Extended field editing not possible on this line.

Text	Extended field editing not possible on this line.
Explanation	Extended field editing cannot be applied to: - comment lines, - group fields inside a data view, - fields without a valid (numeric) level specification, - the beginning of a REDEFINE section, - the beginning of a GDA Block.

Action	Do not apply the command ".E" to this line.

NAT4421: Currently there is no DDM in the source area.

Text	Currently there is no DDM in the source area.
Explanation	The catalog (C) or test (T) function was specified, but no DDM was found in the Natural source area.
Action	Read a DDM into the source area, or edit or generate a DDM.

NAT4422: REDEFINE not permitted for this field.

Text	REDEFINE not permitted for this field.
Action	Check program and correct error.

NAT4423: Index permitted only for per.group/multiple-value field.

Text	Index permitted only for per.group/multiple-value field.
Explanation	An index can only be specified for a periodic group or a multiple-value field.
Action	Check program and correct error.

NAT4424: Maximum number of dimensions within a structure is 3.

Text	Maximum number of dimensions within a structure is 3.
Action	Check program and correct error.

NAT4425: Initial value not permitted for view fields.

Text	Initial value not permitted for view fields.
Action	Check program and correct error.

NAT4426: Edit mask not allowed for group or periodic-group field.

Text	Edit mask not allowed for group or periodic-group field.
Action	Check program and correct error.

NAT4427: Edit mask not permitted for structure.

Text	Edit mask not permitted for structure.
Action	Check program and correct error.

NAT4428: Struct./view level must be 1-99; no variable in data area.

Text	Struct./view level must be 1-99; no variable in data area.
Explanation	The level number for a structure/view must be 1 - 99. Another reason for this error is that no variable is defined in the data area.

Action	Check program and correct error.

NAT4429: Level numbers must be assigned in increments of 1.

Text	Level numbers must be assigned in increments of 1.
Action	Check program and correct error.

NAT4430: Invalid level specification.

Text	Invalid level specification.
Action	Check program and correct error.

NAT4431: Invalid character in name field.

Text	Invalid character in name field.
Action	Check program and correct error.

NAT4432: Blank not permitted in name.

Text	Blank not permitted in name.
Action	Check program and correct error.

NAT4433: Format/length must not be specified for this field type.

Text	Format/length must not be specified for this field type.
Action	Check program and correct error.

NAT4434: Invalid format.

Text	Invalid format.
Action	Check program and correct error.

NAT4435: Invalid length or format specification.

Text	Invalid length or format specification.
Action	Check program and correct error.

NAT4436: Do not specify length with format "C", "D", "L", "T".

Text	Do not specify length with format "C", "D", "L", "T".
Explanation	For fields of the following formats, no length can be specified: D - date T - time L - logical C - attribute control
Action	Check program and correct error.

NAT4437: Length specification for format "F" must be 4 or 8.

Text	Length specification for format "F" must be 4 or 8.
Explanation	Floating-point fields can only have format/length F4 or F8.
Action	Check program and correct error.

NAT4438: Invalid length for format "A" or "B" or "I".

Text	Invalid length for format "A" or "B" or "I".
Explanation	Valid length for format A is 1 - 253. Valid length for format B is 1 - 126. Valid length for format I is 1, 2, 4.
Action	Check program and correct error.

NAT4439: Invalid object type specified in command.

Text	Invalid object type specified in command.
Explanation	The object type specified in the command LIST, EDIT, etc. was incorrect. Valid object types are: P - program S - subroutine N - subprogram 7 - function H - helproutine C - copycode G - global data area L - local data area A - parameter data area M - map T - text 4 - class V - view/DDM (LIST) 3 - dialog (LIST) 5 - processor (LIST) 8 - adapter (LIST) RES - resource (LIST) * - all object types (LIST) Further objects types are listed in the Natural documentation.

Action	Enter a valid object type.

NAT4440: Length must be specified in form "n" or "n.m".

Text	Length must be specified in form "n" or "n.m".
Explanation	The length must be specified either as "n" (no decimal digits) or as "n.m" (n digits before and m digits after the decimal character). The "." between n and m represents the decimal character, which can be set with the command GLOBALS DC=c (c being the desired character).
Action	Check program and correct error.

NAT4441: Maximum length for decimal digits is 29.

Text	Maximum length for decimal digits is 29.
Explanation	There must be no more than 29 digits after the decimal character.
Action	Check program and correct error.

NAT4442: Maximum length for numeric value is 29.

Text	Maximum length for numeric value is 29.
Action	Check program and correct error.

NAT4443: Data area was tested successfully.

Text	Data area was tested successfully.
Explanation	The data area was tested successfully using the CHECK command. command. Note that a final syntax check of the generated DEFINE DATA statement is NOT done by the CHECK function but by the CATALOG/STOW command.
Action	No action required.

NAT4444: Error in Miscellaneous field.

Text	Error in Miscellaneous field.
Explanation	The specification in the Miscellaneous field is invalid. See the Natural documentation for valid specifications.
Action	Supply valid specification for Miscellaneous field.

NAT4445: Only "B", "V", "R" or blank permitted for type.

Text	Only "B", "V", "R" or blank permitted for type.
Action	Check program and correct error.

NAT4446: Level for substructure must be = or GT previous level.

Text	Level for substructure must be = or GT previous level.

Explanation	The level for a substructure must be the same as or greater than the previous level.
Action	Check program and correct error.

NAT4448: Modification of range/format may delete INIT/EM values.

Text	Modification of range/format may delete INIT/EM values.
Explanation	A field is defined with initial values or with an edit mask. If the range/format of this field is changed, the initial values will remain if they fit into the changed index range definition; if they do not fit, they will be deleted.
Action	Make sure you do not lose any initial values or edit masks you wish to keep.

NAT4449: Initial values not permitted; F/L missing for user field.

Text	Initial values not permitted; F/L missing for user field.
Action	Check program and correct error.

67 Natural System Error Messages 4450-4499

NAT4450: Periodic group within periodic group is not allowed.

Text	Periodic group within periodic group is not allowed.
Explanation	A periodic group must not be defined within another periodic group.
Action	Correct view definition.

NAT4451: Syntax error in array index specification.

Text	Syntax error in array index specification.
Action	Check program and correct error.

NAT4452: Upper/lower boundary LT 0; or index = 0 in array definition.

Text	Upper/lower boundary LT 0; or index = 0 in array definition.

Explanation	Either the upper/lower array boundary is less than 0, or the index in an array definition is 0.
Action	Check program and correct error.

NAT4453: Invalid delimiter in INDEX clause.

Text	Invalid delimiter in INDEX clause.
Action	Check program and correct error.

NAT4454: Data area cataloged/stowed successfully.

Text	Data area cataloged/stowed successfully.
Explanation	The catalog/stow process is terminated without detecting any error in the data definition. The data definition may now be used in a Natural program with a DEFINE DATA statement.
Action	No action required.

NAT4455: Only index or edit mask modifiable in a view field.

Text	Only index or edit mask modifiable in a view field.
Action	Check program and correct error.

NAT4456: Maximum rank for data structures is 3.

Text	Maximum rank for data structures is 3.
Explanation	In the data area editor, the command ".E" (extended field definition) has been specified for a field inside a data structure, where the rank (maximum dimension of the field) exceeds 3. All dimensions of the previous substructures until level 1 and the dimension of the current field are added to calculate the rank of the current field.
Action	Check the data structure, or the field currently being edited, for correct dimensions.

NAT4458: Variable specified in REDEFINE not available.

Text	Variable specified in REDEFINE not available.
Explanation	A variable used in a REDEFINE definition is not defined in the current block (or data area), or is defined on a different level.
Action	Check program and correct error.

NAT4459: Data block not found.

Text	Data block not found.
Explanation	The data block indicated as the parent block in a child block definition was not found.
Action	Check program and correct error.

NAT4460: Predict file is not of type "CONCEPTUAL".

Text	Predict file is not of type "CONCEPTUAL".
Explanation	The Predict file that is to be included as data definition from the Predict file into the data area, is not defined as a "CONCEPTUAL" file in Predict. Its only allowed to incorporate "CONCEPTUAL" files as data structure.
Action	Change file definition in Predict or select correct file.

NAT4461: Mark fields for incorporation into global data area.

Text	Mark fields for incorporation into global data area.
Action	Mark the fields which are to be incorporated into the global data area.

NAT4462: "n" fields have been incorporated into global data area.

Text	"n" fields have been incorporated into global data area.
Action	No action required.

NAT4463: No fields have been incorporated into global data area.

Text	No fields have been incorporated into global data area.

NAT4464: ".V" must not be used during redefinition or in a view.

Text	".V" must not be used during redefinition or in a view.
Action	Do not use ".V" during redefinition or in a view.

NAT4465: View definition must be assigned level 1.

Text	View definition must be assigned level 1.
Action	Assign correct level.

NAT4466: Structure definition must have previous level + 1.

Text	Structure definition must have previous level + 1.
Action	Assign correct level.

NAT4467: Group definition must contain at least 1 field.

Text	Group definition must contain at least 1 field.
Action	Check program and correct error.

NAT4468: Data definition must not end with a flagged definition.

Text	Data definition must not end with a flagged definition.

Action	Check program and correct error.

NAT4469: Constant has been defined without an initial value.

Text	Constant has been defined without an initial value.
Action	Check program and correct error.

NAT4470: Constant not permitted within a redefinition.

Text	Constant not permitted within a redefinition.
Action	Check program and correct error.

NAT4471: Non-numeric value in length field.

Text	Non-numeric value in length field.
Action	Check program and correct error.

NAT4472: User-variable definition found within a view definition.

Text	User-variable definition found within a view definition.
Action	Check program and correct error.

NAT4473: View contains fields not existent in the new DDM.

Text	View contains fields not existent in the new DDM.
Explanation	You have tried to modify the name of the DDM in the last column of the data area editor screen. However, one or more of the fields specified in the view are not defined in this DDM.
Action	Either do not change the DDM name, or specify the name of a DDM which contains all fields in the view.

NAT4474: Program name missing in GENERATE command.

Text	Program name missing in GENERATE command.
Action	Issue GENERATE command with program name.

NAT4475: Constant used as index has not been defined.

Text	Constant used as index has not been defined.
Explanation	The constant used as index for the array definition must be defined before the array definition.
Action	Check program and correct error.

NAT4476: Non-numeric constant used as index for p.group/mult.field.

Text	Non-numeric constant used as index for p.group/mult.field.

Explanation	A constant which is not numeric has been used as index for a periodic group or multiple-value field.
Action	Check program and correct error.

NAT4477: Undefined constant used as index for per.group/mult.field.

Text	Undefined constant used as index for per.group/mult.field.
Explanation	A constant used as index for a periodic group or multiple-value field must have been defined before it can be used for that purpose.
Action	Check program and correct error.

NAT4478: CATALOG/PURGE command not available if RECAT=ON.

Text	CATALOG/PURGE command not available if RECAT=ON.
Explanation	The commands CATALOG and PURGE are not available if the parameter RECAT (dynamic recatalog) has been set to RECAT=ON, either dynamically or in the Natural parameter module. Instead of CATALOG and PURGE, the commands STOW and SCRATCH should be used.
Action	Use valid command or change parameter.

NAT4479: Natural work area is full; increase ESIZE parameter.

Text	Natural work area is full; increase ESIZE parameter.

Action	Increase the value for the ESIZE parameter.

NAT4480: Invalid value for FLAG1.

Text	Invalid value for FLAG1.
Action	Check program and correct error.

NAT4481: ".*" command only allowed for mul.fields/periodic groups.

Text	".*" command only allowed for mul.fields/periodic groups.
Explanation	In the data area editor, C* variables can be generated by using the line command ".*" for a multiple-value field or a periodic group. For all other kinds of lines, this command is not allowed.
Action	Enter ".*" command in a line of a multiple-value field or periodic group.

NAT4482: Only 1 "C*" variable allowed for a multiple-value field.

Text	Only 1 "C*" variable allowed for a multiple-value field.
Explanation	You have used the command ".*" to generate a C* variable for a multiple-value field for which a C* has already been defined. Only one C* variable per multiple-value field is possible.
Action	Do not use this line command on this field.

NAT4483: Version 3.1 source format error, :1:.

Text	Version 3.1 source format error, ...
Explanation	A data area cannot be saved using the Version 3.1 compatible source format if: - the LEVEL is greater than 9, - the LENGTH field is greater than 4 digits, - an ARRAY INDEX is defined via the ".e" command, - an OPTIONAL parameter is defined.
Action	Remove the corresponding features, or save the data area in Version 4.1 format.

NAT4488: Function not available, because Predict is not installed.

Text	Function not available, because Predict is not installed.
Explanation	The Predict dictionary must be installed in order to perform the function specified or to process the object specified.
Action	Install Predict, or do not use this function.

NAT4489: DDM not consistent with Predict definitions.

Text	DDM not consistent with Predict definitions.
Explanation	You have incorporated fields from a DDM into a data area. However, the Predict definitions related to the DDM were modified after the DDM had been generated. Therefore, the Predict definitions were not incorporated into the data area.

Action	Either ignore, or generate the DDM again to avoid inconsistencies.

NAT4490: Create Predict description only possible with SYSDIC.

Text	Create Predict description only possible with SYSDIC.
Explanation	The function Create Predict Description is only possible when SYSDIC is active.
Action	Enter SYSDIC to start Predict.

NAT4491: No other products are available.

Text	No other products are available.
Explanation	There are no products to be displayed on the Other Products menu of the MAINMENU. Perhaps no products are installed or you do not have access to them.

NAT4492: Please select/enter a function.

Text	Please select/enter a function.

68 Natural System Error Messages 4500-4549

NAT4501: Do not specify both edit and line command.

Text	Do not specify both edit and line command.
Explanation	The full screen editor can only process one line command or one edit command at a time.
Action	Use an edit command or a line command, not both.

NAT4502: Line subcommand outside source lines.

Text	Line subcommand outside source lines.
Explanation	No line command can be processed when this line is empty.
Action	Do not enter a line command in an empty line.

NAT4503: Invalid positioning number.

Text	Invalid positioning number.
Explanation	The edit command for positioning forward (+) or backward (-) requires a number greater than 0.
Action	Specify correct positioning number.

NAT4504: No line marked with "X".

Text	No line marked with "X".
Explanation	A command has been entered which refers to a specific line. The editor cannot process this command, however, because the line to which it refers has not been marked with an "X".
Action	Mark the appropriate line with an "X".

NAT4505: No line marked with "Y".

Text	No line marked with "Y".
Explanation	A command has been entered which refers to a specific line. The editor cannot process this command, however, because the line has not been marked with a "Y".
Action	Mark the appropriate line with a "Y".

NAT4506: Y-position must be behind X-position.

Text	Y-position must be behind X-position.
Explanation	To process the command that has just been entered, the line marker "Y" has to be placed below the line marker "X", not vice versa.
Action	Mark lines correctly with "X" and "Y", then issue command again.

NAT4507: Copied/moved lines overlap target line.

Text	Copied/moved lines overlap target line.
Explanation	The line command ".CX-Y" or ".MX-Y" has been entered BETWEEN the lines marked with "X" and "Y". However, it is not possible to move or copy lines to a position which is WITHIN block of lines to be moved/copied.
Action	Copy/move lines correctly.

NAT4508: Invalid target in MOVE command.

Text	Invalid target in MOVE command.
Explanation	The line command MOVE needs as a parameter a specification like ".MX", ".MY" or ".MX-Y". The line(s) to be moved must be marked with "X" and/or "Y".
Action	Mark line(s) to be moved before issuing MOVE command.

NAT4509: Invalid edit command. Enter "?" for help.

Text	Invalid edit command. Enter "?" for help.
Explanation	The edit command that has just been entered is unknown.
Action	Enter valid edit command; or enter "?" to invoke help information on edit commands available.

NAT4510: Do not replace with the same data.

Text	Do not replace with the same data.
Explanation	You must not replace a source string with the same data that you are scanning for.
Action	Issue correct scan/replace command.

NAT4511: "SET TYPE object-type" prohibited by security definition.

Text	"SET TYPE object-type" prohibited by security definition.
Explanation	Natural Security does not allow you do issue this command.
Action	Do not use this command, or contact your Natural Security administrator.

NAT4512: Only "+", "-", or "Q" are valid parameters.

Text	Only "+", "-", or "Q" are valid parameters.
Explanation	The shift subcommand allows only the following to be specified: + shift to right. - shift to left. Q leave shift subcommand.
Action	Enter valid subcommand.

NAT4513: Shift value must be 1 - 71.

Text	Shift value must be 1 - 71.
Explanation	Number of positions for the SHIFT subcommand must be 1 to 71.
Action	Enter valid number for shift function.

NAT4514: No line number space available; "RENUMBER" required.

Text	No line number space available; "RENUMBER" required.
Explanation	The line numbers in Natural programs must be unique and in ascending order, since they are used internally for control program flow. When inserting lines, only 9 lines may be inserted at one time between 2 lines numbered with an increment of 10 (for example, between program lines 1220 and 1230). Use the RENUMBER command or press ENTER to renumber the program.
Action	Renumber source program before inserting lines.

NAT4515: ".J entered in the last line on screen.

Text	".J entered in the last line on screen.
Explanation	The line command ".J" must be entered on the first line of two lines that are to be joined. Both lines to be joined must be visible on the screen.
Action	Enter ".J" in correct position.

NAT4516: Command not implemented.

Text	Command not implemented.
Explanation	The command which has just been entered, does not exist.
Action	Enter valid command.

NAT4517: Position the cursor to the split point.

Text	Position the cursor to the split point.
Explanation	When you use the line command SPLIT, you mark with the cursor the position at which the line is to be split.
Action	Place cursor at correct position.

NAT4518: No shift parameter specified (+nn, -nn).

Text	No shift parameter specified (+nn, -nn).
Explanation	The command SHIFT requires specification of the number of positions for the shift operation and the shift direction. These are specified in the form "+nn" or "-nn".
Action	Enter number of shift positions and shift direction.

NAT4519: No shift value specified (number of positions).

Text	No shift value specified (number of positions).
Explanation	The number of positions to be shifted must be specified for the SHIFT command.
Action	Enter number of shift positions.

NAT4520: X-line must be on the screen for shift.

Text	X-line must be on the screen for shift.
Explanation	The X-label must be displayed on the screen for the SHIFT command to function.
Action	Position current line to display X-label.

NAT4521: Scan value GT 32, or delimiter for scan value missing.

Text	Scan value GT 32, or delimiter for scan value missing.
Explanation	Either a scan value greater than 32 has been specified, or one of the delimiters enclosing the value to be scanned for is missing.
Action	Specify correct command.

NAT4522: Replace value cannot be specified for REPLACE WITH NULL.

Text	Replace value cannot be specified for REPLACE WITH NULL.
Explanation	REPLACE WITH NULL value has been specified (marked) on the Scan Menu of the program editor. Subsequently, however, a SCAN/CHANGE command with a specific replace value has been entered. - If you want to replace a value by a null value, do not specify a replace value. - If you want to replace a value by a specific value, do not use REPLACE WITH NULL.
Action	Enter correct command/value combination.

NAT4523: The specified profile does not exist.

Text	The specified profile does not exist.
Explanation	See the Natural documentation for information on editor profiles.
Action	Specify a valid profile name.

NAT4524: Please enter a profile ID.

Text	Please enter a profile ID.
Explanation	For profile maintenance, a profile ID must be entered.
Action	Enter a profile ID.

NAT4525: Do not change other profile.

Text	Do not change other profile.
Explanation	When Natural Security is installed, you are not allowed to change a profile to which a user ID other than yours is assigned.
Action	Do not try to change any profile you are not allowed to change.

NAT4526: Profile has been successfully stored.

Text	Profile has been successfully stored.
Explanation	The profile has been successfully stored in the database.
Action	No action required.

NAT4527: No "RECOVER" possible after more than 999 transactions.

Text	No "RECOVER" possible after more than 999 transactions.

Explanation	The highest value for "RECOVER nnn" is 999. After "nnn" source changes, the source will be automatically saved in the current library with the member name that has been defined in the current profile.
Action	Check program and correct error.

NAT4528: Invalid parameter specified in SPLIT command.

Text	Invalid parameter specified in SPLIT command.
Explanation	An invalid parameter has been specified in the split screen command in an editor. Valid parameters are: P - programming objects D - data areas V - views (DDMs) DESC - Predict description
Action	Enter valid parameter for split command.

NAT4529: Invalid parameter specified in SET command.

Text	Invalid parameter specified in SET command.
Explanation	An invalid parameter has been specified in the SET command of an editor. For a description of the SET command syntax, see the Natural documentation.
Action	Enter correct SET command.

NAT4530: EDIT command disallowed by security definition.

Text	EDIT command disallowed by security definition.
Explanation	The EDIT command for the invoked editor has been disallowed by Natural Security in the corresponding security profile.
Action	Contact your Natural Security administrator.

NAT4531: Profile has been successfully deleted.

Text	Profile has been successfully deleted.
Explanation	The profile has been successfully deleted from the database.
Action	No action required.

NAT4532: Editor profile has not been stored in the database.

Text	Editor profile has not been stored in the database.
Explanation	You have modified an editor profile which is not your own; you can use the modified profile, but the modifications will only be valid until you log on to another library.
Action	No action required.

NAT4533: Direction indicator must be "+" or "-".

Text	Direction indicator must be "+" or "-".
Explanation	The only possible values for the direction indicator in the command line of the program editor are "+" and "-".
Action	Set direction indicator to "+" or "-".

NAT4534: Cursor must be within source for special PF-key functions.

Text	Cursor must be within source for special PF-key functions.
Explanation	Before you press a PF-key to which one of the commands *CURSOR, *X or *Y is assigned, you must place the cursor at that position within the source to which you wish the command to be applied.
Action	Place cursor correctly, and press PF-key again.

NAT4535: Message-line position must be "TOP", "BOT", "nn" or "-nn".

Text	Message-line position must be "TOP", "BOT", "nn" or "-nn".
Explanation	You can specify one of the following positions for the message line: TOP (or T) - top line of screen. BOT (or B) - bottom line of screen. nn - "nn"th line of screen (counting from top of screen). -nn - "nn"th line of screen (counting from bottom of screen).
Action	Specify a valid message-line position.

NAT4536: Object :1: cannot be included.

Text	Object ... cannot be included.
Explanation	The object to be included has to be cataloged.
Action	Catalog the object before including it.

NAT4537: Leave editor only (N), with Unlock (Y), with Unlock/Clear (C).

Text	Leave editor only (N), with Unlock (Y), with Unlock/Clear (C).
Explanation	You can specify the following profile settings for leaving the editor: N - No : Leave editor and without unlocking the source code. Y - Yes : Leave editor and unlock source code. C - Clear: Leave editor, unlock source code, and clear source area.
Action	Specify valid Leave Editor setting.

69 Natural System Error Messages 4550-4599

NAT4598: Format U not allowed with Natural for z/OS map editor.

Text	Format U not allowed with Natural for z/OS map editor.
Explanation	Unicode variables are not supported by the Natural for z/OS map editor.
Action	Use the map editor available with NaturalONE or Natural for Windows instead.

NAT4599: Value of session parameter PD must not be "0".

Text	Value of session parameter PD must not be "0".
Explanation	This error occurs if you issue one of the terminal commands of the NATPAGE utility, and the PD parameter, which determines the number of screens to be stored with NATPAGE in the Natural system file is set to "0".
Action	Use the GLOBALS command to set the PD parameter to a value between 1 and 255.

70 Natural System Error Messages 4600-4649

NAT4600: Multiple commands not allowed.

Text	Multiple commands not allowed.
Explanation	Only one command may be entered per screen. If multiple commands are detected, no update and no command interpretation are performed.
Action	Enter only one command.

NAT4601: Invalid screen operation in line :1:, column :2:.

Text	Invalid screen operation in line ..., column ....
Explanation	A field variable must not be changed to a text constant.
Action	Delete the field or move it to another position by using the appropriate field command, then insert the text.

NAT4602: Use ".E" command to edit field.

Text	Use ".E" command to edit field.
Explanation	The modification or definition of an edit mask for a field is only possible by invoking "extended field editing" with the command ".E".
Action	Use the field command ".E".

NAT4603: Error in DDM.

Text	Error in DDM.
Explanation	An error was detected in the currently used Data Definition Module.
Action	Correct the DDM.

NAT4604: Use edit mask to change format.

Text	Use edit mask to change format.
Action	Use edit mask to change format.

NAT4605: Use ".A" command to define array.

Text	Use ".A" command to define array.
Action	Enter the field command ".A" in the field.

NAT4606: Invalid object name.

Text	Invalid object name.
Action	Specify a valid object name.

NAT4607: No DDM loaded.

Text	No DDM loaded.
Explanation	An internal error occurred while trying to load a DDM.
Action	Contact technical support.

NAT4608: The requested DDM is too large.

Text	The requested DDM is too large.
Explanation	The requested DDM is too large to be processed by the map editor.
Action	Reduce the size of the DDM.

NAT4609: Invalid edit mask.

Text	Invalid edit mask.
Explanation	The edit mask specified is invalid. See the Natural documentation for detailed information on edit masks.

Action	Correct error.

NAT4610: Invalid field format.

Text	Invalid field format.
Explanation	The specified field format is invalid. See the Natural documentation for valid format definitions.
Action	Correct error.

NAT4611: Field name contains illegal characters.

Text	Field name contains illegal characters.
Explanation	The field name contains characters which are not allowed within a field name.
Action	Correct error.

NAT4612: Too many digits before and/or after decimal character.

Text	Too many digits before and/or after decimal character.
Explanation	There are too many decimal digits before and/or after the decimal character. See the Natural documentation for additional information.
Action	Correct error.

NAT4613: The source area is empty.

Text	The source area is empty.
Explanation	An attempt was made to edit an empty source area.
Action	Use function "I" (Initialize map) or "R" (Read map) to place a map into the source area.

NAT4614: Map not found in source area.

Text	Map not found in source area.
Explanation	The source area does not contain the map with the specified name. Function "L" may be used to determine if a map is currently in the source area; or the map-entry field may be left blank to cause all maps in the source area to be displayed.
Action	Use function "I" (Initialize map) or "R" (Read map) to place a map into the source area.

NAT4615: Specified object not found in current or steplib library.

Text	Specified object not found in current or steplib library.
Explanation	The Natural object (program, subprogram, data area, etc.) with the specified name could not be found either in the current library or in any concatenated library (steplib).
Action	Specify the correct name of the object.

NAT4616: Invalid use of a command.

Text	Invalid use of a command.
Explanation	An attempt was made to use a command incorrectly. (for example, using the command ".A" for a text constant.
Action	Enter correct command in correct field.

NAT4617: No delimiter matches attributes.

Text	No delimiter matches attributes.
Explanation	The specified attributes are not consistent with the delimiter settings in the map profile.
Action	Use other attributes or change delimiter settings in the map profile.

NAT4618: Too many occurrences of field in line :1:, column :2:.

Text	Too many occurrences of field in line ..., column ....
Explanation	An output field was used in more than 98 occurrences.
Action	Specify a new field.

NAT4619: Multiple fields not allowed here: line :1:, column :2:.

Text	Multiple fields not allowed here: line ..., column ....

Explanation	An input-only field or a modifiable field must not be used in multiple occurrences.
Action	Correct error.

NAT4620: String too long: line :1:, column :2:.

Text	String too long: line ..., column ....
Explanation	A text constant of over 58 characters was specified. Only text which consists of the repeated concatenation of the same character may be longer than 58 characters.
Action	Divide the text into 2 constants or use a variable containing the text.

NAT4621: System variable must be an output field.

Text	System variable must be an output field.
Explanation	System variables may only used in output mode.
Action	Use a delimiter which indicates output mode.

NAT4622: Overlapping detected in line :1:, column :2:.

Text	Overlapping detected in line ..., column ....
Explanation	This error may be caused by any of the following: - overlapping of one variable with another; - overlapping of a variable with the right border of the map; - overlapping of a variable and a text constant; - an invalid command was interpreted as text.

Action	Correct error.

NAT4623: Type conflict with DDM definition: line :1:, column:2:.

Text	Type conflict with DDM definition: line ..., column....
Explanation	The DDM variable attribute is not assigned to the screen variable attribute in the case of incompatible formats. Incompatible: A,B with N,P. A with B. Compatible : N with P.
Action	Change screen specification and then reassign.

NAT4624: Reassignment not possible in line :1:, column :2:.

Text	Reassignment not possible in line ..., column ....
Explanation	This error may be caused by the following: - the variable is already assigned; - the variable is a system variable.
Action	Delete the variable and generate it from the DDM.

NAT4625: Name of field/variable must be specified.

Text	Name of field/variable must be specified.
Action	Enter a field/variable name.

NAT4626: Internal format error in map definition.

Text	Internal format error in map definition.
Explanation	The map editor has detected an internal format error in the map definition. A possible cause is the attempt to edit the map source area via another utility or program.
Action	Use function "I" (initialize map) or "R" (read map) to place the original map into the source area.

NAT4627: AL/NL syntax error.

Text	AL/NL syntax error.
Explanation	The specification of AL or NL is incorrect. See the Natural documentation for detailed information.
Action	Specify AL/NL correctly.

NAT4628: You may select only one item from the menu.

Text	You may select only one item from the menu.
Action	Select no more than one item.

NAT4629: Not enough empty lines available for inserting/splitting.

Text	Not enough empty lines available for inserting/splitting.

Explanation	When you use the line commands "..I" (insert) or "..S" (split), all lines below the inserted/split line(s) will be "pushed" downward and the last empty line(s) of the map will be deleted to make room for the insertion/splitting. However, if there are not enough empty lines at the bottom of the map, the insert/split command cannot be executed.
Action	Make sure that enough empty lines are available before you insert new lines or split lines.

NAT4630: Invalid rank setting.

Text	Invalid rank setting.
Explanation	This error message may be caused by any of the following: - The specified value was not greater than zero. - The specified value was not smaller than or equal to the rank of the array. - The specified value has already been assigned. Note: The rank of an array is equal to the number of indexes; for example, A(3,4) is an element of array A with rank 2.
Action	Correct rank setting.

NAT4631: Index is out of range.

Text	Index is out of range.
Explanation	The specified index is outside the array dimensions.
Action	Correct the index specification.

NAT4632: Fixed index must be specified.

Text	Fixed index must be specified.
Explanation	If an array with 3 dimensions is used in a map, the index of at least one dimension must be fixed (integer or variable).
Action	Correct index specification.

NAT4633: Invalid color.

Text	Invalid color.
Explanation	An invalid color was specified. The valid color codes may be determined by placing the cursor on the field COLOUR and pressing the HELP key.
Action	Specify a valid color.

NAT4634: No source/object name specified.

Text	No source/object name specified.
Explanation	The source name is missing for a READ or PURGE function; or the object name is missing for the UNCATALOG function.
Action	Specify source/object name.

NAT4635: No profile name specified.

Text	No profile name specified.
Explanation	A profile name must be specified when using function "I" or "M".
Action	Specify a profile name.

NAT4636: Column shift can only be 0 or 1.

Text	Column shift can only be 0 or 1.
Explanation	The standard column shift is "0" . In order to use the first column position for map fields, a column shift of "1" may be specified.
Action	Specify "0" or "1" .

NAT4637: Conflict between helptext size/position and screen size.

Text	Conflict between helptext size/position and screen size.
Explanation	The currently defined size of the helptext window does not permit its being placed in the position you want it to be placed, because it would not fit onto the screen of the specified device ("Device Check"). You have to make the window smaller, change its position (or not use the Device Check option).
Action	Either make the helptext smaller (reduce page size and/or line size), or change its position.

NAT4638: Map transmitted successfully.

Text	Map transmitted successfully.
Action	No action required.

NAT4639: Field/parameter names in a map must be unique.

Text	Field/parameter names in a map must be unique.
Explanation	The names of fields and parameters used in a map must be unique.
Action	Do not use duplicate field/parameter names in a map.

NAT4640: SAVE command executed.

Text	SAVE command executed.
Explanation	The source has been stored in the current library.
Action	No action required.

NAT4641: Map tested successfully.

Text	Map tested successfully.
Explanation	A RUN command was executed successfully for the current source.

Action	No action required.

NAT4642: Variable already used with other format/array dimensions.

Text	Variable already used with other format/array dimensions.
Explanation	The variable whose name you have specified as help parameter, attribute control variable or starting-from value has already been defined elsewhere with a different format or with other array dimensions.
Action	Use a different name or check the other variable of the same name.

NAT4643: Invalid function code.

Text	Invalid function code.
Explanation	The specified function code is invalid.
Action	Enter a valid function code, or a "?" for help.

NAT4644: Delimiter class must be "A","O","M" or "T".

Text	Delimiter class must be "A","O","M" or "T".
Explanation	An invalid code for the delimiter class was entered. Possible codes are: A - Input-only field O - Output-only field M - Modifiable field (output and input) T - Text constant

Action	Enter valid delimiter class.

NAT4645: Attribute of delimiter is invalid.

Text	Attribute of delimiter is invalid.
Explanation	Valid attribute codes are: B Blinking C Cursive/italic D Default (non-I, B, etc.) I Intensified N Non-display U Underlined V Reversed video Y Dynamic (attributes to be assigned dynamically by user program) NE Neutral BL Blue GR Green RE Red PI Pink YE Yellow TU Turquoise
Action	Enter valid code.

NAT4646: Delimiter must be a special character.

Text	Delimiter must be a special character.
Explanation	Only special characters may be used as delimiters.
Action	Enter a special character as delimiter.

NAT4647: Page size must be 1 - 250.

Text	Page size must be 1 - 250.

Explanation	The page size value must be in the range from 1 to 250 lines. The standard page size for 3270-type screens is 23 lines.
Action	Enter a valid page size.

NAT4648: Line size must be 5 - 249.

Text	Line size must be 5 - 249.
Explanation	The line size value must be in the range from 5 to 249 characters. The standard line size for a 3270-type screen is 79 characters.
Action	Enter a valid line size.

NAT4649: Enter "T" (top) or "B" (bottom).

Text	Enter "T" (top) or "B" (bottom).
Explanation	The message line may be located at the top (T) or the bottom (B) of the screen.
Action	Enter valid code ("T" or "B").

71 Natural System Error Messages 4650-4699

NAT4650: Invalid color code.

Text	Invalid color code.
Explanation	Valid color codes are: NE - Neutral BL - Blue GR - Green RE - Red PI - Pink YE - Yellow TU - Turquoise
Action	Enter a valid color code.

NAT4651: Enter "UC" (upper case) or "LC" (lower case).

Text	Enter "UC" (upper case) or "LC" (lower case).
Explanation	"UC" indicates that input will be converted to upper case. "LC" indicates that lower-case input will not be converted to upper case.

Action	Enter a valid code ("UC" or "LC").

NAT4652: Enter "Y" (yes) or "N" (no).

Text	Enter "Y" (yes) or "N" (no).
Explanation	The only possible values for this field are "Y" (yes) and "N" (no).
Action	Enter "Y" or "N".

NAT4653: Array dimension must be 0 to 3.

Text	Array dimension must be 0 to 3.
Action	Specify valid array dimension.

NAT4654: Control character must be a special character.

Text	Control character must be a special character.
Explanation	Only special characters may be used as the control character. The default control character is ".".
Action	Enter a valid control character.

NAT4655: Enter "R" or "L" for right- or left-justified.

Text	Enter "R" or "L" for right- or left-justified.

Explanation	Only the following codes may be specified: R - Default justification of variable fields is right-justified. L - Default justification of variable fields is left-justified.
Action	Enter a valid code ("R" or "L").

NAT4656: Delimiter settings are ambiguous.

Text	Delimiter settings are ambiguous.
Explanation	Either the same delimiter is defined more than once, or more than one delimiter is defined for the same class/attribute.
Action	Check the delimiter settings and correct error.

NAT4657: Variable field has to be named.

Text	Variable field has to be named.
Explanation	A field which is defined directly on the screen (i.e., not selected from a view) must be subsequently assigned the attributes of a view field (post assignment); or must be assigned a name directly, using the extended field editing function.
Action	Use either post assignment or extended field editing to assign a name to the field.

NAT4658: Select either "WRITE" or "INPUT".

Text	Select either "WRITE" or "INPUT".

Explanation	This error message may be caused by the following: - Neither WRITE nor INPUT has been marked. - Both WRITE and INPUT have been marked.
Action	Correct error.

NAT4659: Dynamic layout contains user-defined variables.

Text	Dynamic layout contains user-defined variables.
Explanation	A map which is used as dynamic layout map must not contain user-defined variables.
Action	Delete the user-defined variables from the dynamic layout map, or use another map as dynamic layout map.

NAT4660: Conflict between layout and map settings.

Text	Conflict between layout and map settings.
Explanation	This error message may be caused by one of the following: - The layout contains ATTRIBUTE/CLASS combinations in the delimiter settings which are not defined with the current map. - PAGESIZE or LINESIZE of layout and map are different. - COMP settings of layout and map are not identical. - KEYSTD settings of layout and map are not identical. - HELP names of both layout and map are not blank and are not identical.
Action	Check map and layout settings and correct error.

NAT4661: Profile already exists.

Text	Profile already exists.
Explanation	The ADD function was applied to a profile which already exists.
Action	Use the MODIFY function or use another profile name.

NAT4662: Profile does not exist.

Text	Profile does not exist.
Explanation	The MODIFY or DELETE function was applied to a profile which does not exist.
Action	Use the correct profile name.

NAT4663: Profile "SYSPROF" must not be changed.

Text	Profile "SYSPROF" must not be changed.
Explanation	It is not possible to change the default profile "SYSPROF" with the maintenance function.
Action	Define a user profile by using the ADD function.

NAT4664: Delimiter must differ from control and decimal character.

Text	Delimiter must differ from control and decimal character.

Explanation	A delimiter must not be the same character as the control character or the decimal character defined in the profile settings.
Action	Use another special character as the delimiter.

NAT4665: "DY" option is invalid.

Text	"DY" option is invalid.
Explanation	The "DY" option must consist of alternating escape characters and attribute/color codes. Valid escape characters are all special characters and hexadecimal elements. Examples: <i> (intensify by "<") <re> (red by "<") <bl:re> (blue by "<", red by ":") "27p"28 (protected by "27)
Action	Correct error.

NAT4666: Warning: Conflict between current profile + map profile.

Text	Warning: Conflict between current profile + map profile.
Explanation	The map to be edited was initialized with a profile other than the current profile.
Action	Press PF10 to obtain the correct profile name or ignore.

NAT4667: Editing completed successfully.

Text	Editing completed successfully.
Explanation	This message indicates: - In parameter mode, the prototype INPUT USING MAP statement was generated at the beginning of the map. - In non-parameter mode, all variables were checked to determine if they were assigned. - The validation rules were sorted by validation rank and by positions of the variables.
Action	No action required.

NAT4668: Conflict between layout profile and enforced map profile.

Text	Conflict between layout profile and enforced map profile.
Explanation	The layout map was initialized with a profile other than the current profile; the current profile is marked with the "ENFORCE" option; and some attributes of the current profile have been changed in the meantime.
Action	Use another profile or another layout.

NAT4669: Do not use help-text layout for map, or vice versa.

Text	Do not use help-text layout for map, or vice versa.
Explanation	This message may be caused by one of the following: - The layout was initialized with "H" and the current map with "I". - The layout was initialized with "I" and the current map with "H".

Action	Use another layout or the other initialization function.

NAT4670: Print mode setting is incorrect.

Text	Print mode setting is incorrect.
Explanation	The following codes may be chosen for print mode: I - inversion of print direction C - alternate character set N - field will not appear in hardcopy D - double-byte character mode. Attribute combinations may be used.
Action	Correct error.

NAT4671: Invalid modification of map settings.

Text	Invalid modification of map settings.
Explanation	This error message may be caused if a class/attribute combination for delimiters was specified in the old map settings and is not specified in the new settings.
Action	Check settings and correct error.

NAT4672: "Move" target is within command working range.

Text	"Move" target is within command working range.
Explanation	A "move" line command was issued for a block of lines and the cursor was positioned to a line within that block.

Action	Change cursor position or line range.

NAT4673: An object with the same name already exists.

Text	An object with the same name already exists.
Explanation	During initialization of a map or a helptext, a name was specified which is already used by another object in the library. This error may also occur in the STOW or SAVE function, if a name is explicitly specified.
Action	Change map name or scratch existing object.

NAT4674: Specified object does not exist, or is not a map/helptext.

Text	Specified object does not exist, or is not a map/helptext.
Explanation	The specified map name is wrong. A map or a helptext with the specified name does not exist; or the referenced object is neither a map nor a helptext.
Action	Change map name or use initialize function.

NAT4675: Device specification is missing.

Text	Device specification is missing.
Explanation	The device specified with the device check field was not defined using the maintenance function; or the MODIFY or DELETE function was used for a non-existing device specification.

Action	Specify the device attributes using the maintenance function.

NAT4676: Device specification already exists.

Text	Device specification already exists.
Explanation	The specification of the device already exists.
Action	Use the MODIFY function.

NAT4677: Device name is missing.

Text	Device name is missing.
Explanation	The name of the device specification to be added, modified or deleted is missing.
Action	Enter a device name.

NAT4678: Attribute does not match device characteristics.

Text	Attribute does not match device characteristics.
Explanation	The device check was enabled by entering a device name which does not support the defined attributes. The cursor is positioned to the attribute which is in conflict with the specified device.
Action	Change attribute or disable device check.

NAT4679: Layout does not exist.

Text	Layout does not exist.
Explanation	A layout map or a layout help text was specified in the map settings or the profile, but the layout does not exist as a source map.
Action	Correct error.

NAT4680: Only "H" or "V" possible.

Text	Only "H" or "V" possible.
Explanation	The direction of the secondary index can only be horizontal (H) or vertical (V).
Action	Enter valid direction.

NAT4681: Only output class possible with "WRITE".

Text	Only output class possible with "WRITE".
Explanation	A delimiter or an AD attribute was specified with a field class equal to input (A) or modify (M). This is not possible if a WRITE statement is to be generated as a result of the map definition process.
Action	Check program or map settings, and correct error.

NAT4682: Conflict in array dimensions.

Text	Conflict in array dimensions.
Explanation	A DDM array was post-assigned to an array and one or more dimensions of the DDM array are smaller than the predefined array.
Action	Check array dimensions and correct error.

NAT4683: Attribute control variable is missing.

Text	Attribute control variable is missing.
Explanation	A delimiter with attribute "Y" was used, but no attribute control variable (CV=name) was defined in the map settings. An AD attribute "Y" was defined, but no attribute control variable (CV=name) was defined at the field level or in the map settings.
Action	Define the attribute control variable.

NAT4684: Validation rule priority already exists.

Text	Validation rule priority already exists.
Explanation	An attempt was made to change the priority of a validation rule, but a validation rule for this field with the specified priority already exists.
Action	Use another priority.

NAT4685: Field is not an array.

Text	Field is not an array.
Explanation	Before applying index parentheses to a field name, the field must be defined as an array by using the command ".A" or "..A".
Action	Remove index parentheses.

NAT4686: Do not apply ".A" command to a scalar value.

Text	Do not apply ".A" command to a scalar value.
Explanation	The array field command or the array line command cannot be used with elementary database fields or with system variables. Validation rules are not allowed for system variables.
Action	Do not use an array, or define a user-defined variable.

NAT4687: Helproutine for a helptext or WRITE map is not allowed.

Text	Helproutine for a helptext or WRITE map is not allowed.
Explanation	A helproutine name may only be specified with maps, not with helptexts. If the map is to be used in a WRITE USING MAP statement, a helproutine name must not be specified.
Action	Correct error.

NAT4688: STOW command executed successfully.

Text	STOW command executed successfully.
Explanation	The map was successfully saved and cataloged.
Action	No action required.

NAT4689: Direct command was executed.

Text	Direct command was executed.
Explanation	The specified direct command was executed successfully.
Action	No action required.

NAT4690: Invalid edit mask.

Text	Invalid edit mask.
Explanation	The specified edit mask is not a valid Natural edit mask. For information on valid edit masks, you may invoke the help facility.
Action	Use valid edit mask.

NAT4691: Decimal character conflict.

Text	Decimal character conflict.

Explanation	The map uses a decimal character which is in conflict with the decimal character defined for the current session.
Action	Change session profile, using GLOBALS command.

NAT4692: Feature not available.

Text	Feature not available.
Explanation	The desired feature is only available if the Predict dictionary system is installed.
Action	Do not use this feature.

NAT4693: Conflict between processing rules.

Text	Conflict between processing rules.
Explanation	This error occurs if a field was first defined as a user-defined or or undefined field, and processing rules were assigned to that field by the user; if this field is then post-assigned to a database field, and the dictionary contains processing rules for that database field on ranks which are already occupied by the user-defined rules, this conflict occurs.
Action	Check user rules.

NAT4694: Consistency error in dictionary.

Text	Consistency error in dictionary.

Explanation	During definition or retrieval of processing rules, a consistency error within the dictionary"s processing rules was discovered.
Action	Contact your dictionary administrator.

NAT4695: Processing rule already exists.

Text	Processing rule already exists.
Explanation	The name specified for the processing rule which is to be added to the dictionary already exits.
Action	Use another name for the processing rule.

NAT4696: Specification of prefix not allowed here.

Text	Specification of prefix not allowed here.
Explanation	A new prefix may not be introduced with extended field editing. Existing prefixes may only be changed to correspond with program labels.
Action	Use the post-assign facility to specify new prefixes.

NAT4697: Page size must be 3 - 250.

Text	Page size must be 3 - 250.
Explanation	If Standard Keys are set to Y, the minimum page size is 3.

Action	Specify correct page size.

NAT4698: Modification rejected by user exit.

Text	Modification rejected by user exit.
Explanation	User exit activated in Predict DDA services.
Action	Please contact your DBA to allow the modification of free rules.

NAT4699: Number of occurrences has to be greater than zero.

Text	Number of occurrences has to be greater than zero.
Action	Set number of occurrences to a value greater than "0".

72 Natural System Error Messages 4700-4749

NAT4700: DDM does not exist, or you are not allowed to access it.

Text	DDM does not exist, or you are not allowed to access it.
Explanation	The specified DDM does not exist or is protected by Natural Security. The DDM can also be used in the data area of a program and the program is included in the map editor.
Action	Enter valid DDM name or check program; or contact your Natural Security administrator.

NAT4701: No data defined in program.

Text	No data defined in program.
Explanation	The program (or subprogram, subroutine, helproutine) to be displayed in the top half of the editing screen does not contain any explicit field definitions.
Action	Check program to be displayed, and have the data area used by the program displayed to see the desired variables.

NAT4702: Field/parameter type is missing.

Text	Field/parameter type is missing.
Explanation	Field/parameter type must be specified.
Action	Enter a field/parameter type.

NAT4703: Do not enter starting value for an index which is "0".

Text	Do not enter starting value for an index which is "0".
Explanation	For a dimension whose index is "0" you cannot specify a "Starting from" value.
Action	Either specify an index, or remove starting value.

NAT4704: Dynamic layout not possible for WRITE statement.

Text	Dynamic layout not possible for WRITE statement.
Explanation	You cannot use a dynamic layout map for a map that is to be output via a WRITE statement.
Action	Correct error.

NAT4705: Verification name already exists, but is not a free rule.

Text	Verification name already exists, but is not a free rule.

Explanation	The verification you have specified already exists and is defined in Predict as an automatic rule.
Action	Specify other verification name.

NAT4706: Rejected by Predict defaults.

Text	Rejected by Predict defaults.
Explanation	The switch "Rule in Map Editor" in the Predict Defaults is set to "D" (disallowed).
Action	Ask your Predict administrator to change the default.

NAT4707: Do not enter a rule name and source text at same time.

Text	Do not enter a rule name and source text at same time.
Explanation	Enter either a free rule name to include the rule source from Predict into the rule editor, or enter source text, press ENTER and then enter a rule name to save the source in Predict.
Action	Remove either the rule name or the source text and press ENTER again.

NAT4708: Do not apply a processing rule to an output field.

Text	Do not apply a processing rule to an output field.
Explanation	A processing rule that is attached to an output field is not executed.

Action	Remove the processing rule or change the field class.

NAT4709: Internal error:1:while searching library path for object.

Text	Internal error...while searching library path for object.
Explanation	An unexpected internal error occurred while searching for an object in the current library and concatenated libraries.
Action	Contact technical support.

NAT4710: Table overflow, too many variables defined.

Text	Table overflow, too many variables defined.
Explanation	The number of variables in a map has been exceeded. The maximum number is 500 variables.
Action	Reduce the number of variables to fewer than 501.

NAT4711: Map contains GUI elements and cannot be stowed via CATALL.

Text	Map contains GUI elements and cannot be stowed via CATALL.
Explanation	The map contains GUI elements. The "stow" was not executed, because it would have destroyed the original map source. The map has been loaded from a GUI-supporting platform and contains elements like bitmaps, selection boxes, drop-down menus and the like, which are not available for Natural for z/OS. If such a map were stowed, all these elements would be removed to generate a map for Natural for z/OS. In normal edit mode, when you attempt to stow the map, you will be warned about the loss of elements, but can proceed to stow the map (if the loss is acceptable to you).

Action	Either STOW the map individually (not with the CATALL command), or use the CATALOG function only.

NAT4712: Invalid array range.

Text	Invalid array range.
Explanation	Invalid array dimension: The lower bound must be smaller than the upper bound.
Action	Specify different lower or upper bound.

NAT4713: No Migration performed - map was not created with KAPRI.

NAT4714: This KAPRI map does not require any migration.

NAT4715: Migration for KAPRI map performed.

NAT4716: Map conversion error: Delimiter class D could not be added.

NAT4717: Error occurred during migration of a KAPRI map.

Text	Error occurred during migration of a KAPRI map.
Explanation	This error message is only issued during CATALL. During the migration process of a KAPRI map, an incorrect box formatting element was found, which could not be applied.
Action	Migrate the map manually with the SYSMAP utility.

NAT4748: XREF request disallowed by Natural Security definition.

Text	XREF request disallowed by Natural Security definition.
Explanation	In a Natural Security environment, XREF can only request settings that provide more detailed information than defined by means of the Natural Security profile that applies. The following table shows the possible combinations (valid combinations marked with "+"): Definition I Request by XREF command in Natural I Security I profile I OFF ON FORCE ----------+---------- OFF I + + + ON I - + + FORCE I - - +
Action	Check data and correct error, or contact the DBA to modify the appropriate security profile.

NAT4749: Function not possible with DBID = 0.

Text	Function not possible with DBID = 0.
Explanation	To generate the Natural cross references the DBID of the Natural system file, where the module is to be stored, must not be zero.
Action	Contact the DBA to generate a valid Natural parameter module or invoke Natural and overwrite the value of the data base identification dynamically.

73 Natural System Error Messages 4750-4799

NAT4750: Invalid input data.

Text	Invalid input data.
Explanation	Invalid data have been specified for the field.
Action	Specify valid input data.

NAT4751: A:1:must be entered.

Text	A...must be entered.
Action	Enter a ... .

NAT4752: Entry must be an integer ranging from:1:to:2:.

NAT4753: Use at least one of the keywords.

NAT4754: Requested function key not allocated.

NAT4755: Mark pop-ups to be shown with "S".

NAT4756: Press PF5 to execute generated SQL, or PF4 for Free Mode.

NAT4757: Invalid:1:specified.

NAT4758: :1:with that name does not exist.

NAT4759: Use exactly 1 of the keywords.

NAT4760: No fieldproc allowed for Long Varchar or Long Vargraphic

NAT4761: Entry may be only the keyword UNIQUE.

NAT4762: :1:must be entered. Press ENTER to proceed.

NAT4763: Enter either a catalog name or a stogroup name.

NAT4764: Entry must be an integer.

NAT4765: Invalid syntax. Enter valid data.

NAT4766: Copying a block in between the same block is not allowed.

NAT4767: Point command issued, but no line was marked with ".N".

NAT4768: No ".I", ".W" between X-Y possible, if ".MX-Y" issued.

NAT4769: Member for insertion not found.

NAT4770: Scan command entered without scan value.

NAT4771: Enter number of FREEPAGES and/or PCTFREE(integer).

NAT4772: Number:1:in PRIMARY KEY field entered more than once.

NAT4773: :1:with that name already exists.

NAT4774: Enter valid:1:.

NAT4775: Mark either:1:or:2:.

NAT4776: Please mark your choice.

NAT4777: Do not mark both::1:and:2:.

NAT4778: Command successfully executed.

NAT4779: Entry may be only:1:or:2:.

NAT4781: create TABLE, VIEW and INDEX disabled from Predict

NAT4782: Select:1:key columns with "S" or ordered with "1-16".

NAT4783: Max. 16:1:key columns allowed.

NAT4784: :1:key columns must be NOT NULL.

NAT4785: Max. 16 primary key columns allowed.

NAT4786: Enter name of:1:.

NAT4787: Enter name of referenced table.

NAT4788: Select column(s).

NAT4790: Default ASC is taken.

NAT4791: Specify columns of:1:.

NAT4792: Number:2:in:1:key field entered more than once.

NAT4793: FOR ... DATA allowed for CHAR, VARCHAR, LONGVARCHAR

NAT4794: Enter S,M or B(SBCS, Mixed or BIT) in FOR ... DATA clause

NAT4795: :1:must be marked with "S".

NAT4796: :1:not allowed for datatype:2:.

NAT4797: CCSID not allowed if FOR ... DATA specified.

74 Natural System Error Messages 4800-4849

NAT4800: Enter valid function code.

Text	Enter valid function code.
Action	Enter valid function code.

NAT4801: Function only applicable to source programs.

Text	Function only applicable to source programs.
Explanation	The selected function can only be used with source programs, not object programs.
Action	Enter valid function.

NAT4802: Library type must be "S" or "O".

Text	Library type must be "S" or "O".

Explanation	Valid library types are "S" for source and "O" for object.
Action	Enter a valid library type.

NAT4803: Invalid object specified.

Text	Invalid object specified.
Explanation	Only the following object codes are valid: A - Programs, maps, and data areas, V - Natural views (DDMs), P - Editor, map, and device profiles, E - User and system error message texts. See the Natural documentation for details.
Action	Enter a valid code.

NAT4804: Enter valid library ID.

Text	Enter valid library ID.
Explanation	A valid library ID must be entered for the functions LIST, COPY, MOVE, or DELETE.
Action	Enter valid library ID.

NAT4805: Enter valid command code.

Text	Enter valid command code.

Explanation	Valid command codes are: P Select individual program * Selection menu ? Help information . Terminate " " Return to menu
Action	Enter valid command code.

NAT4806: Enter program name.

Text	Enter program name.
Explanation	If individual programs are specified with command "P", a valid program name must be entered.
Action	Enter valid program name.

NAT4807: Enter a valid database ID.

Text	Enter a valid database ID.
Explanation	A valid database identification must be specified for the SYSMAIN functions. Database numbers allowed are: 0 for default database. 1-253 for specific database.
Action	Enter valid database number.

NAT4808: Invalid "new name" specified.

Text	Invalid "new name" specified.
Explanation	When specifying names for libraries (applications) and/or programs, data areas and maps, the names must conform to Natural naming conventions.
Action	Check and correct the name(s) of the object or library specified.

NAT4809: Enter a system file number.

Text	Enter a system file number.
Explanation	A valid system file number in the range from 1 to 255 must be in MOVE and COPY commands.
Action	Enter a valid system file number.

NAT4810: All data rejected by these selection criteria.

Text	All data rejected by these selection criteria.
Explanation	All data initially selected for processing have been rejected. Rejection can occur for a number of reasons; for example: 1) Object type did not match the object type specified. 2) Date was not within the specified date range. 3) A subroutine could not be processed because the internal subroutine name already existed for another object. 4) The object could not be copied/moved/renamed because the REPLACE option was set to "NO" and the object already existed in the target library. 5) The RECAT option is "ON" and a cataloged object may only be processed if the saved object exists. 6) The RECAT option is "ON" and a saved object may not be processed separately from an already existing cataloged object.

Action	Normal termination, but you should verify the selection criteria specified.

NAT4811: "Copy/move" to same environment is not allowed.

Text	"Copy/move" to same environment is not allowed.
Explanation	The COPY and MOVE functions must always have different source and target environments (i.e. different DBID/FNR specifications and/or different library specifications). For error texts, application, DBID, file number and file name (FCT) may be the same for source and target environment if the language code is different.
Action	Enter different target library or different system file.

NAT4812: Internal error.

Text	Internal error.
Explanation	An internal error has occurred while processing name lists.
Action	Note error and contact technical support.

NAT4813: "Move/copy" operation executed.

Text	"Move/copy" operation executed.
Explanation	The requested MOVE/COPY function has been successfully executed.

Action	No action required.

NAT4814: Invalid object type(s) specified.

Text	Invalid object type(s) specified.
Explanation	One or more of the object types requested are not valid. The object type varies with the function requested. When processing programs, data areas or maps, valid object type codes are: S, N, P, G, L, A, H, C, M, T, Z When processing profiles, valid object type codes are: E, M, D, P When processing error messages, valid object type codes are: S, L The object type code "*" indicates all types.
Action	Check the code(s) and correct the error.

NAT4815: Processing terminated at user"s request.

Text	Processing terminated at user"s request.
Explanation	During processing of a function, you have interrupted the processing (for example, by pressing a PF-key or "Program Interrupt/Test Request" key, or by tying a "." on the previous screen).
Action	Normal termination has occurred. No action required.

NAT4816: Invalid date or time specified.

Text	Invalid date or time specified.

Explanation	The date or time specified is not correct. The date format must coincide with the format specified with the Natural profile parameter DTFORM (as described in the Natural documentation). The month range must be from 1 to 12, and the day must correspond with the month (including leap years). The time format must be HH:II.
Action	Make sure that you specify date and time in the correct format and range.

NAT4817: Date range is out of sequence. TO DATE must be > FM DATE.

Text	Date range is out of sequence. TO DATE must be > FM DATE.
Explanation	A FROM date cannot be logically greater than a TO date.
Action	Check the dates and specify the FROM - TO range correctly.

NAT4818: Library has been successfully listed.

Text	Library has been successfully listed.
Explanation	A request to list a specific library was made. This message will appear at the end of that request if normal termination has occurred.
Action	No action required.

NAT4819: Invalid selection code specified.

Text	Invalid selection code specified.

Explanation	One or more codes specified on the selection screen are not correct. The valid codes are: I - Directory info (cataloged and/or saved objects) L - List source (saved objects only) H - Print source (saved objects only) C - Perform specified function on cataloged object only S - Perform specified function of object source only A - Perform specified function on both cataloged and/or saved objects. This code may also be used if only the saved or cataloged object exists. If the profile parameter RECAT is set to "ON", code "C" is also invalid.
Action	Check selections and correct the error(s) highlighted.

NAT4820: Selected program does not exist.

Text	Selected program does not exist.
Explanation	The selected program does not exist in the library specified.
Action	Check program name and library name.

NAT4821: Invalid request with dynamic recatalog.

Text	Invalid request with dynamic recatalog.
Explanation	A request has been made which is not valid in an environment where the parameter RECAT is set to "ON". In an environment with active dynamic recataloging, cataloged and saved objects must be processed together. The only exception is if the saved object exists without a corresponding cataloged object, for example copycode.

Action	Check the selected request and correct the error.

NAT4822: Invalid "rename" request.

Text	Invalid "rename" request.
Explanation	The requested RENAME function cannot be performed with the selection criteria specified. The Selection List, Object Name and/or New Name are not compatible with one another. In batch mode, this may occur when the range notation is used with the Object Name.
Action	Check the selection criteria and correct the error. If necessary, contact your Natural administrator.

NAT4823: Invalid selection code specified for option.

Text	Invalid selection code specified for option.
Explanation	In SYSMAIN, the Library Selection screen allows you to specify the following additional options during processing: L - List all objects in a library S - List all external subroutine names in a library ? - Help . - Terminate the current processing.
Action	Check the selection(s) made and correct the error.

NAT4824: Requested option(s) processed successfully.

Text	Requested option(s) processed successfully.

Explanation	During the normal processing of a SYSMAIN function, you may perform several options, for example: - listing directory information; - listing all subroutines, by name, in a library; - listing a specific saved object. The processing of the requested option(s) was finished successfully.
Action	No action required.

NAT4825: Input command string too long.

Text	Input command string too long.
Explanation	When invoking SYSMAIN with a direct command (either in batch or online), the maximum number of elements that may be passed in a single command string is 36. If SYSMAIN detects a number greater than this, processing is terminated.
Action	Review the command string specified to SYSMAIN and reduce the number of elements in the string.

NAT4826: Data not numeric.

Text	Data not numeric.
Explanation	While processing the data for the DBID, FNR or SETNO parameters of the SYSMAIN command line, the data were found to be non-numeric. Values for DBID, FNR and SETNO must be in the following format: FNR n DBID n SETNO n where "n" is a 1- to 3-digit numeric value (1 to 2 digits for SETNO).
Action	Check the command line, and correct the data string specified.

NAT4827: XREF indicator must be "N", "Y", "F" or "S".

Text	XREF indicator must be "N", "Y", "F" or "S".
Explanation	With Predict, the cross-reference indicator may be set to one of the following values: N - No (delete XREF information if object is deleted) Y - Yes (maintain all XREF information) F - Force (verify Predict entry for program and maintain all XREF information) S - Special (XREF information is processed if existent, but existence of XREF data is no selection criterion) Under Natural Security, the XREF indicator may be changed only to a "higher" setting: for example, if it is "Y", you may change it to "F", but not to "N".
Action	Check the field concerned and enter correct value.

NAT4828: Invalid "copy/move/rename" of a subroutine.

Text	Invalid "copy/move/rename" of a subroutine.
Explanation	The subroutine name being copied/moved/renamed already exists in the target library assigned. The function is illegal, because duplicate subroutine names may not exist in a library for cataloged objects.
Action	Check the object(s) concerned and correct the error(s).

NAT4829: Invalid function requested.

Text	Invalid function requested.

Explanation	The function requested is either invalid or has not yet been implemented.
Action	Check function requested and correct the error.

NAT4830: "Scan" and "replace" values must be different.

Text	"Scan" and "replace" values must be different.
Explanation	The SCAN VALUE and REPLACE VALUE fields contain the same values or character strings.
Action	Change either the SCAN VALUE or the REPLACE VALUE field so that they do not contain the same value.

NAT4831: "Replace" must not be used with specified object type.

Text	"Replace" must not be used with specified object type.
Explanation	Natural uses a number of different object types for various different facilities and functions. Certain object types may not be specified when using the REPLACE option of SCAN, because the impact of doing the REPLACE may have serious implications on the activity of the Natural environment. The object types which may NOT be specified with the REPLACE option are G (Global Data), L (Local Data), A (Parameter Data) and M (Maps). When scanning an entire library. the above object types will be listed only, but not edited; however, you may issue an E or EDT command within SCAN to edit the object.
Action	Remove any values for the REPLACE VALUE field, set NULL REPLACE to "N", or specify a different object type.

NAT4832: A "?" may not be requested for object type (batch only).

Text	A "?" may not be requested for object type (batch only).
Explanation	A "?" may only be specified for the Object Type field of the SCAN command in a TP environment, not in a batch environment.
Action	Determine the correct setting of the Object Type parameter before using the SCAN command in batch mode.

NAT4833: Enter a valid object type.

Text	Enter a valid object type.
Explanation	The code specified for the object type was not valid. The valid values are: A, C, G, H, L, M, N, P, S, *, ?, blank A "?" will allow you to select a valid code from a list. A "*" or " " (blank) will result in all object types being scanned in a library. For additional information, see the Natural documentation, use the help function of SCAN, or ask your Natural administrator.
Action	Enter a valid object type.

NAT4834: Enter a valid function code.

Text	Enter a valid function code.
Explanation	An incorrect function code was entered for the command SCAN. Valid function codes are: "T", "L", "S", "." and "?".

Action	Correct the function code and continue.

NAT4835: Library may not be blank.

Text	Library may not be blank.
Explanation	SCAN will scan only one library at a time. Therefore, a valid library name - or application name (Natural Security) - must be specified.
Action	Specify a valid library/application name.

NAT4836: Internal error with "edit": 0000 - contact DBA.

Text	Internal error with "edit": 0000 - contact DBA.
Explanation	SCAN must edit an object before a SCAN/REPLACE is done. If any error is received while editing an object, SCAN will terminate with an error - ERROR: 0000.
Action	Contact your database administrator.

NAT4837: Internal error with "scan": 0000 - contact DBA.

Text	Internal error with "scan": 0000 - contact DBA.
Explanation	While SCAN was scanning an object, an error was detected. SCAN will terminate with an error - ERROR: 0000.
Action	Contact your database administrator.

NAT4838: Enter new name for "rename" function.

Text	Enter new name for "rename" function.
Explanation	The RENAME function requires that a new program name be specified.
Action	Enter new program name.

NAT4839: Specified library is protected by security definition.

Text	Specified library is protected by security definition.
Explanation	You have attempted to do a SCAN/REPLACE on a library/application whose Natural Security profile does not allow this function.
Action	Contact your Natural Security administrator.

NAT4840: Enter a valid command: blank,Q,.,E,EDIT,L,LIST,LET,I,?

Text	Enter a valid command: blank,Q,.,E,EDIT,L,LIST,LET,I,?
Explanation	Valid commands are: blank Continue with normal processing. Q or . Interrupt SCAN/REPLACE processing and return to SCAN menu. E or EDIT Invoke the full-screen editor to edit an object. L or LIST List the object currently scanned/replaced. LET Ignore all modifications made after ENTER was last pressed. I Ignore processing of the current object and continue with the next object. Do not save any modifications made. ? or PF1 Invoke help facility. PF2 Interrupt SCAN/REPLACE processing. Return to the menu. PF3 Interrupt SCAN/REPLACE processing. Return to last function.

Action	Enter a valid command or press a valid PF key.

NAT4841: "Scan/replace" terminated by user action.

Text	"Scan/replace" terminated by user action.
Explanation	You have requested the termination of SCAN and are returned to the menu. The SCAN/REPLACE will not be completed; however, all modifications made before termination was requested, will be saved.
Action	No action required.

NAT4842: "Scan/replace" interrupted by user action.

Text	"Scan/replace" interrupted by user action.
Explanation	You have terminated the SCAN/REPLACE operation. Any modifications performed on the object currently being processed will be lost. You will be returned to the menu.
Action	No action required, as termination was done at your request.

NAT4843: "Scan/replace" has successfully terminated.

Text	"Scan/replace" has successfully terminated.
Explanation	The selection criteria specified for the SCAN/REPLACE operation have been processed successfully. Processing terminated normally; you will be returned to the menu.

Action	No action required.

NAT4844: Scan value must not be blank.

Text	Scan value must not be blank.
Explanation	The SCAN operation cannot be executed without a value or character string being specified for the SCAN VALUE field.
Action	Enter a value or character string in the SCAN VALUE field.

NAT4845: Error NATnnnn received during process of object <object>.

Text	Error NATnnnn received during process of object <object>.
Explanation	If SCAN receives a Natural error code while scanning or replacing a specific object, this message will be returned with the specific Natural error code and the name of the object being processed when the error occurred. Examples of this type of error are: NAT0082 - The object selected was purged before it could be scanned. NAT3148 - The database was terminated during the scan process.
Action	Enter "? nnnn" for an explanation of error message NATnnnn. If necessary, contact your database administrator for additional information.

NAT4846: "Replace" operation protected by security definition.

Text	"Replace" operation protected by security definition.

Explanation	To execute the REPLACE operation in a Natural Security environment, the following Natural commands must be allowed in the appropriate user/application profile: READ, SAVE (and either EDIT or EDT).
Action	Contact your Natural Security administrator and review the security profile which is in effect during the execution of SCAN.

NAT4847: Object type is protected by security definition.

Text	Object type is protected by security definition.
Explanation	Natural has a number of different object types for use with the various Natural facilities and functions; for example, "P" for programs "N" for subprograms, "G" for global data areas, etc. If a specific object type is entered for the SCAN function, SCAN will verify whether you have access to that object type by checking your security definition.
Action	Contact your Natural Security administrator to review the Natural Security profile in effect during the SCAN processing.

NAT4848: Status of programs/modules displayed successfully.

Text	Status of programs/modules displayed successfully.
Explanation	Status information on programs/modules in the user"s library which meet the specified search criteria, has been successfully displayed.
Action	No action required.

NAT4849: Invalid date specification.

Text	Invalid date specification.
Explanation	The date was incorrectly entered. A data must be entered in the form for international date (YY-MM-DD).
Action	Enter correct date in correct form.

75 Natural System Error Messages 4850-4899

NAT4850: Invalid range specification.

Text	Invalid range specification.
Explanation	The range for a search criterion was specified incorrectly. The start value must be less than or equal to the end value.
Action	Correct error.

NAT4851: No program/module with specified criteria found.

Text	No program/module with specified criteria found.
Explanation	No program/module in the user"s library meets the specified search criteria.
Action	Check data and specify search criteria more precisely.

NAT4852: Function disallowed by security definition.

Text	Function disallowed by security definition.
Explanation	The desired function is disallowed by the Natural Security application profile.
Action	Contact your Natural Security administrator.

NAT4853: No module found in library.

Text	No module found in library.
Explanation	While executing the SIZE command, no module which meets the search criteria was found.
Action	Check module name.

NAT4854: "Size" operation protected by security definition.

Text	"Size" operation protected by security definition.
Explanation	To execute the SIZE command in a Natural Security environment, you must be allowed to use the command EXECUTE.
Action	Contact your Natural Security administrator.

NAT4855: No objects found for specified "scan" criteria.

Text	No objects found for specified "scan" criteria.
Explanation	SCAN will do processing only according to the criteria specified. Only the objects which satisfy the specifications will be displayed, otherwise SCAN will return to the menu.
Action	No action required, since SCAN has terminated normally.

NAT4856: Invalid field combination with "rename" function.

Text	Invalid field combination with "rename" function.
Explanation	When you use the "rename" function of SYSMAIN and have entered a specific name in the Object Name field, you must also enter a New Name. Alternatively, the range notation using a "?", "<", ">" or "*" may be used; in which case no New Name is to be specified.
Action	Check values specified and correct error.

NAT4857: File type is not valid for specified file.

Text	File type is not valid for specified file.
Explanation	With SYSMAIN, only specific file types are supported. The file type is determined by the DBID and FILE number specified for the source and target files. For valid file types, see the relevant Natural documentation.
Action	Check the DBID and FILE number specified and correct them.

NAT4858: Access to library is not allowed.

Text	Access to library is not allowed.
Explanation	When you use the SYSMAIN utility under Natural Security, you are not allowed to access a "private library" of another user. Only access to your own (private) library is possible. This error occurs: - if you perform the LIST/FIND function and attempt to select a private library; or, - if you perform the COPY/MOVE/DELETE/RENAME function and have specified a private library as source/target library.
Action	Use only libraries which you are allowed to use.

NAT4859: New "rename" data must be different.

Text	New "rename" data must be different.
Explanation	When using the RENAME function of SYSMAIN, the new data of the object (saved or cataloged), profile or view must be different from the old data.
Action	Correct error.

NAT4860: Enter either a valid function code or a command.

Text	Enter either a valid function code or a command.
Explanation	Either a valid function code or a command must be entered in the appropriate fields.
Action	Enter either a valid function code or a valid command.

NAT4861: Enter a valid library name.

Text	Enter a valid library name.
Explanation	A library name must be specified.
Action	Check the library name specified and correct the error.

NAT4862: Invalid character in library name.

Text	Invalid character in library name.
Explanation	A valid library name must be specified. An asterisk (*) or a question mark (?) indicating a range of values is not permitted.
Action	Enter a valid library name.

NAT4863: Database identification must be 0 - 253.

Text	Database identification must be 0 - 253.
Explanation	A valid database identification (DBID) must be specified. Valid DBIDs are: 0 - default database 1 - 253 - specific database.
Action	Enter a valid database identification.

NAT4864: File number must be 1 - 255.

Text	File number must be 1 - 255.
Explanation	A valid system file number in the range from 1 to 255 must be specified.
Action	Enter a valid file number.

NAT4865: Invalid type of Natural system file.

Text	Invalid type of Natural system file.
Explanation	An invalid value for system-file identification was entered. Possible values are: A - Adabas system file, V - VSAM system file.
Action	Enter "A" or "V" as type of system file.

NAT4866: Invalid name specified for file.

Text	Invalid name specified for file.
Explanation	If the Natural system file is not an Adabas file, the name of the system file being accessed must be specified. This applies to the following system file types: V - VSAM 2 - Db2 U - USER D - DL/I S - SESAM

Action	Enter a value for the "Name" field.

NAT4867: Nothing found for this request.

Text	Nothing found for this request.
Explanation	Either no data meet the specified selection criteria, or you did not request any processing to be done from the selection screen. This is a normal termination message.
Action	No action required.

NAT4868: Function completed successfully.

Text	Function completed successfully.
Explanation	The function has successfully terminated, and all data selected have been processed normally.
Action	No action required.

NAT4869: Not all module(s)/program(s) were processed.

Text	Not all module(s)/program(s) were processed.
Explanation	The function was not executed for all specified module(s)/program(s). Either the module specified in the selection menu was deleted in the meantime by another user, or the module(s)/program(s) could not be overwritten because the REPLACE option was set to "NO".

Action	Correct error.

NAT4870: Syntax error in command line.

Text	Syntax error in command line.
Explanation	A syntax error was detected when evaluating the command line during command processing: the command to be processed was not a valid command Either you have entered a command which does not exist, or you have specified a command incorrectly (e.g. wrong sequence of parameters). The actual command being processed may be indicated in parentheses at the end of the error message.
Action	Check the command line and correct the error.

NAT4871: Invalid object name specified.

Text	Invalid object name specified.
Explanation	A valid name must be entered in the field "Object Name" before processing can continue.
Action	Check data and correct error.

NAT4872: No XREF information found for object.

Text	No XREF information found for object.
Explanation	The XREF indicator is set to either "Y" or "F", but the specified Predict (FDIC) file contains no XREF information for the object being processed.

Action	Check the FDIC file specified, the XREF indicator, and the status of the XREF information for the object in error.

NAT4873: Libraries listed successfully.

Text	Libraries listed successfully.
Explanation	The libraries satisfying the specified search criteria were listed successfully.
Action	No action required.

NAT4874: Selected number out of range.

Text	Selected number out of range.
Explanation	Only numbers displayed on the selection menu may be selected.
Action	Enter a valid number.

NAT4875: Program does not exist.

Text	Program does not exist.
Explanation	No program exists for the selected number.
Action	Select another number.

NAT4876: No libraries found.

Text	No libraries found.
Explanation	No library was found which meets the search criteria.
Action	Verify search criteria.

NAT4877: Program listed successfully.

Text	Program listed successfully.
Explanation	The Natural program was listed successfully.
Action	No action required.

NAT4878: Function not allowed by security definition.

Text	Function not allowed by security definition.
Explanation	To execute the desired function in a Natural Security environment, the library to be processed must be either your "private library", a public library, or a people-protected library of which you are an "owner" (if co-owners exist, the required countersignatures must be obtained). Moreover, the use of the corresponding Natural commands - SAVE, CATALOG, STOW, SCRATCH, PURGE, UNCATALOG - must be allowed in that library.
Action	Do not use this function; or contact your Natural Security administrator.

NAT4879: Range not permitted in batch processing.

Text	Range not permitted in batch processing.
Explanation	When using the RENAME function of the utility SYSMAIN via a direct command in batch mode, a range of modules/programs must not be specified with the "*" or "?" notation.
Action	Do not use "*" or "?" notation in batch mode.

NAT4880: Enter valid command, or enter "?" for help.

Text	Enter valid command, or enter "?" for help.
Explanation	An invalid command was entered. For a list of valid command, you may enter a "?".
Action	Enter a valid command, or enter a "?" for help.

NAT4881: Buffer pool maintenance failed.

Text	Buffer pool maintenance failed.
Explanation	The Natural buffer pool maintenance failed, because the Natural buffer pool is either not installed or has been disabled after an ABEND.
Action	Contact your Natural administrator.

NAT4882: Buffer pool maintenance performed.

Text	Buffer pool maintenance performed.
Explanation	Maintenance of the Natural buffer pool was performed.
Action	No action required.

NAT4883: TP user ID required.

Text	TP user ID required.
Action	Enter a valid TP user ID.

NAT4884: Invalid database ID.

Text	Invalid database ID.
Explanation	A database identification in the range 0 - 255 must be entered.
Action	Enter a valid database identification.

NAT4885: Invalid file number.

Text	Invalid file number.
Explanation	A file number in the range from 0 to 255 must be entered.

Action	Enter a valid file number.

NAT4886: Please enter a valid library name.

Text	Please enter a valid library name.
Explanation	A valid name for a Natural library must be entered.
Action	Enter a valid library name.

NAT4887: Please enter a valid module name.

Text	Please enter a valid module name.
Explanation	A valid name for a Natural module must be entered.
Action	Enter a valid module name.

NAT4888: Currently no logical files available.

Text	Currently no logical files available.
Explanation	The utility makes use of "logical files" to perform any required processing. If all logical files are in use, processing is terminated abnormally. SYSPROF may be used to display the current file settings.
Action	Contact your database administrator for additional help.

NAT4889: Library is not defined to Natural Security.

Text	Library is not defined to Natural Security.
Explanation	You have requested access to a library which is not defined to Natural Security. In the case of SYSMAIN, this may occur when you are maintaining libraries which are defined to another security environment. If you wish to do maintenance across security environments, you should use the SYSMAIN command "CMD FSEC". For further information, see the Natural documentation.
Action	Check the selection criteria and correct the error.

NAT4890: Invalid owner/co-owner confirmation.

Text	Invalid owner/co-owner confirmation.
Explanation	The countersignature specified for an owner-protected application must be valid for a co-owner to use an application; or the user is NOT an owner of the application.
Action	Specify the correct countersignature for the security environment being accessed.

NAT4891: Invalid DBID and/or FNR specified for a library.

Text	Invalid DBID and/or FNR specified for a library.
Explanation	The DBID and FNR specified for a library protected by Natural Security must correspond to the DBID and FNR specified in the security profile for the library.

Action	Either correct the DBID/FNR, or change the FSEC definition using the "CMD FSEC" command.

NAT4892: Invalid Predict file(s) defined.

Text	Invalid Predict file(s) defined.
Explanation	The FDIC parameter is pointing to a database and/or file which is not a valid file for Predict. This causes an error during the deletion of XREF data. - If the FDIC parameter is correct, you should verify the settings of the SYSMAIN FDIC database(s) and/or file(s), since these will override the session FDIC parameter. Note that with XREF support the Predict version must be 2.3 or above. - If the XREF parameter is set to "N", no check will be done online. In batch, the nucleus should not have the XREF module linked.
Action	Check the current settings of the Natural parameter FDIC and the SYSMAIN FDIC parameters, and correct the error.

NAT4893: Normal completion, but some data were rejected.

Text	Normal completion, but some data were rejected.
Explanation	During processing of a function which does not result in the display of a selection screen, processing continues even if objects are rejected. There are numerous reasons why objects are rejected, and these are listed under error NAT4810. If you wish to monitor the status of each each object as it is processed, use the selection screen (using the "?" option). This is a normal end-of-processing message.
Action	No action required.

NAT4894: Invalid error number specified.

Text	Invalid error number specified.
Explanation	The FROM error number has been specified incorrectly: either no range notation has been specified, the FROM number is greater than the TO number, or the range notation is invalid. In batch, this error may also occur if any of the specified error numbers (ERROR FM, ERROR TO, NEW ERROR FM, NEW ERROR TO) are not numeric. Valid specifications of numeric numbers are: 1 or 01 or 001 or 0001
Action	Check the error number specifications, and correct the error.

NAT4895: Invalid language code specified.

Text	Invalid language code specified.
Explanation	The language code specified is invalid. See the Natural documentation for further information on language codes.
Action	Enter a valid language code.

NAT4896: Invalid processing request for extended error message.

Text	Invalid processing request for extended error message.
Explanation	When moving, copying or renaming an extended error message, there must always be a corresponding short error message. If there is no short error message in the source environment, the extended error message will not be processed. If there is not short message in the target environment, this error message will be output. Processing of both, short and extended messages, together is valid.

Action	Correct error.

NAT4897: Invalid error application specified.

Text	Invalid error application specified.
Explanation	The specified error application is invalid for the requested function. It may be a non-existent application, or you have tried to move, copy or rename a user error message to a system error message. Deletion of a system error message has been disallowed. The message may, however, be moved, copied, or renamed.
Action	Check the application indicated, and correct the error.

NAT4898: Invalid error number specified with "rename".

Text	Invalid error number specified with "rename".
Explanation	When renaming (renumbering) error messages, all error number specifications (ERROR FM, ERROR TO, NEW ERROR FM, NEW ERROR TO) must be numeric and follow the rules listed below: 1) The numbers must be in the correct combination as follows: A) only ERROR FM. B) ERROR FM and ERROR TO. C) ERROR FM and NEW ERROR FM. D) ERROR FM, ERROR TO, NEW ERROR FM and NEW ERROR TO. 2) If the range notation is used, the NEW ERROR FM must be by at least 2 higher than the ERROR FM. 3) If the range notation is used, the difference between ERROR FM and ERROR TO must be the same as NEW ERROR FM and NEW ERROR TO.
Action	Correct the error.

NAT4899: This feature is not implemented for VSAM system file.

Text	This feature is not implemented for VSAM system file.
Explanation	To use this feature, a Natural system file is required that is contained within an Adabas database.
Action	Select another feature.

76 Natural System Error Messages 4900-4949

NAT4900: Too many names specified.

Text	Too many names specified.
Explanation	For the commands UNCATALOG, PURGE and SCRATCH, a list of up to 40 names of Natural modules/programs may be entered for deletion.
Action	Reduce number of names.

NAT4901: Invalid data for batch environment.

Text	Invalid data for batch environment.
Explanation	In a batch environment, the input for an UNCATALOG/PURGE/SCRATCH command can only consist of a list of names for Natural modules/programs. At least 1 name must be entered. A maximum of 40 names can be entered. Asterisk notation is not permitted.
Action	Enter one or more valid names.

NAT4902: Only one generic key permitted.

Text	Only one generic key permitted.
Explanation	Only one generic key is permitted per invocation of the UNCAT/PURGE/SCRATCH command. A generic key is a character string, which may be empty, truncated by an asterisk. The use of a generic key results in the display of a menu which contains all modules/programs starting with the character string. These modules/programs may be marked for further processing.
Action	Enter valid data.

NAT4903: Do not use both, list of names and asterisk notation.

Text	Do not use both, list of names and asterisk notation.
Explanation	For the UNCATALOG/PURGE/SCRATCH commands, you can either enter a list of Natural module/program names or use asterisk notation, but not both.
Action	Correct error.

NAT4904: No module(s)/program(s) found in current library.

Text	No module(s)/program(s) found in current library.
Explanation	No module/program was found which meets the search criteria.
Action	Make sure that the correct search criteria were used.

NAT4905: New error range may not overlap the current error range.

Text	New error range may not overlap the current error range.
Explanation	When renumbering (renaming) ranges of errors, overlaps of ranges are not permitted within the same application (for reasons of data integrity). The NEW ERROR FROM must be smaller than the original ERROR FROM or greater than the original ERROR TO. Example: When renumbering errors 10 to 20 as 13 to 23; number 10 would be moved to 13, but 13 would be moved to 17, and 17 would be moved to 20, etc.; thus, error number 10 would be duplicated. If the NEW ERROR FROM were smaller than 10 or greater than 20, this . would not occur. If you cannot avoid overlapping with the ranges of numbers available to you, renumber the errors to a dummy application and then from the dummy application to the original application.
Action	Check the error numbers and the application, and correct the error.

NAT4906: User exit was invoked but no longer exists.

Text	User exit was invoked but no longer exists.
Explanation	At initialization of SYSMAIN, the user exit 1 and/or 2 was active, but during processing the user exit could not be invoked. This may occur if the cataloged object is not cataloged in the SYSMAIN library.
Action	No action required. SYSMAIN will no longer invoke the user exit which caused the error.

NAT4907: Predict file invalid for processing of XREF data.

Text	Predict file invalid for processing of XREF data.

Explanation	When XREF data are processed (XREF parameter set to "Y", "F" or "S"), the Predict (FDIC) file must be a valid file for Predict Version 2.3 or above. (With SYSMAIN, you may use the command "SET FDIC" to override the current Predict file setting.) This error also appears if you are processing sets and the FDIC file is not a valid Predict file.
Action	Use a valid Predict file, or set the XREF indicator to "N", or set the set number to "0".

NAT4908: Conflicting or too many types.

Text	Conflicting or too many types.
Explanation	The command DELETE has a TYPE option. The number of types entered in the delete request was too large. This is either because types "X" or "U" where expanded and the resulting list became too large, or because repeated or redundant entries were found.
Action	Repeat the request, either with fewer types or, if the default "*" is suitable, without the TYPE specification.

NAT4909: Do not enter both, asterisk notation and list of names.

Text	Do not enter both, asterisk notation and list of names.
Explanation	For the UNCATALOG/PURGE/SCRATCH commands, you can either enter a list of Natural module/program names or use asterisk notation, but not both.
Action	Correct error.

NAT4910: Object is protected by Predict Application Control.

Text	Object is protected by Predict Application Control.
Explanation	You cannot maintain the selected object because it is under the control of Predict Application Control.
Action	Contact your Predict Application Control administrator.

NAT4911: Set :1: cannot be found.

Text	Set ... cannot be found.
Explanation	The specified set cannot be found.
Action	Make sure that you have specified the correct User, Library, Library DBID/FNR, FDIC DBID/FNR, and Set Number.

NAT4912: PC Download must be "Y" or "N".

Text	PC Download must be "Y" or "N".
Explanation	When you export/download Natural objects to a PC, this option must be set to either "Y" (export) or "N" (normal processing).
Action	Specify correct value.

NAT4913: Work files 6 + 7 must be assigned to PCNEW for download.

Text	Work files 6 + 7 must be assigned to PCNEW for download.
Explanation	When you use the PC Download option, work files 6 and 7 must be assigned to PCNEW.
Action	Assign work files 6 and 7.

NAT4914: Library range must not be specified for sets.

Text	Library range must not be specified for sets.
Explanation	When a set is used as source location of objects, you can only specify specific library names, but not a range of libraries.
Action	Provide correct library specification.

NAT4915: Unload type must be "A", "C", "S" or "W".

Text	Unload type must be "A", "C", "S" or "W".
Explanation	The unload type must be one of the following: A - all objects (cataloged or saved), C - cataloged objects, S - saved objects, W - stowed objects.
Action	Specify a correct value.

NAT4916: Conflicting request.

Text	Conflicting request.
Explanation	The command DELETE has a TYPE option. If views (DDMs) are to be deleted, you must not specify objects of other types in that (sub-)command.
Action	Delete DDMs (views) separately.

NAT4917: When object is specified, library name is also required.

Text	When object is specified, library name is also required.
Explanation	When you specify an object name for unloading/loading, you must also specify a library name to identify the library in which the specified object is stored.
Action	Specify library name.

NAT4918: Error in DELETE command (invalid syntax).

Text	Error in DELETE command (invalid syntax).
Explanation	The DELETE command specified could not be executed, because it does not comply with the rules for command syntax. See "System Commands" in the documentation for the correct syntax.
Action	Enter a valid command (with fewer options).

NAT4919: Compare option must be "S" (short) or "D" (differ).

Text	Compare option must be "S" (short) or "D" (differ).
Explanation	See the Natural SYSMAIN utility documentation for details.
Action	Specify correct value.

NAT4920: Invalid command with a versioned library.

Text	Invalid command with a versioned library.
Explanation	Once a Natural library or application has been defined as being "versioned", the commands STOW, CATALOG, UNCATALOG, PURGE and SCRATCH must not be used on any programming objects.
Action	Use the STOWALL or VERSION utility to circumvent the problem.

NAT4921: Compare only available with Predict Application Control.

Text	Compare only available with Predict Application Control.
Explanation	SYSMAIN"s Compare option can only be used if Predict Application Control (PAC) is installed. If PAC is installed but Compare still does not work, use the SYSMAIN command "SET FSEC" to specify the FSEC source location where PAC is installed.
Action	Do not use Compare if PAC is not available; or specify valid FSEC source location before you use Compare.

77 Natural System Error Messages 4950-4999

NAT4960: Invalid access to Natural system file: return code :1:.

Text	Invalid access to Natural system file: return code ....
Explanation	During initialization of the logical file, an error with "return code" occurred.
Action	Contact your database administrator.

NAT4961: Logical file initialization failed: return code :1:.

Text	Logical file initialization failed: return code ....
Explanation	The utility makes use of logical files to perform any required processing. If all the available logical files are in use, processing is abnormally terminated. SYSPROF may be used to analyze the current settings.
Action	Contact your database administrator for additional help.

NAT4963: Invalid "expand-type" specified.

Text	Invalid "expand-type" specified.
Explanation	Valid "expand-types" are: P - Programs G - Global data areas N - Subprograms L - Local data areas S - External Subroutines A - Parameter data areas H - Helproutines M - Maps C - Copycodes E - Error messages * - All object types You can either specify a single "expand-type", or several of them in any sequence without blanks in between.
Action	Specify correct "expand-type".

NAT4965: Object type(s) not correctly specified.

Text	Object type(s) not correctly specified.
Action	Specify object type(s) correctly.

NAT4967: Specified "expand object" not referenced in listed source.

Text	Specified "expand object" not referenced in listed source.
Explanation	You have specified an "expand object" to be listed within a listed source; however, the specified expand object is not referenced in the listed source.
Action	Enter valid command.

NAT4968: Object has been changed in the meantime by another user.

NAT4969: To select object, place cursor over object name.

Text	To select object, place cursor over object name.
Explanation	To display the source of an object that is referenced within the listed source, you must mark the NAME of that object with the cursor.
Action	Place cursor correctly for object selection.

NAT4970: Specified object(s) not found in listed source.

NAT4971: Object(s) not found.

NAT4972: No further occurrence of find value.

NAT4973: Specified value not found from current position.

NAT4975: No numeric value specified.

NAT4978: No object marked.

NAT4979: Object is not of specified type.

NAT4980: Not in Natural system file.

NAT4981: Subroutine is internal or not in current library.

Text	Subroutine is internal or not in current library.
Explanation	The subroutine you have selected to be displayed in ZOOM or EXPAND mode is either an internal subroutine (that is, contained in the source that is being listed) or an external subroutine whose source is not contained in the current library.

Action	Check if listed source or current library contains desired subroutine.

NAT4982: Specified value not found.

NAT4983: Only one object was selected for ZOOM display.

Text	Only one object was selected for ZOOM display.
Explanation	You have entered "PREV" or "NEXT" (or pressed PF4 or PF5) to move from the object currently displayed in the ZOOM window to the previous or next one. However, you have not used asterisk or wildcard notation for the object name specified with the ZOOM command, which means that only a single object is displayed in the ZOOM window.
Action	Enter valid command.

NAT4984: No further object found.

NAT4985: Mark at least one.

NAT4986: No field specified or marked.

NAT4988: Value not found.

NAT4989: Selected object is not in current library.

Text	Selected object is not in current library.
Explanation	With the LIST command, you have specified an object whose source is not stored in the current library.

Action	Make sure, you are in the correct library. Or issue LIST command with asterisk/wildcard notation for list of objects in the current library.

NAT4990: FORMAT command can only be applied to a map/data area.

Text	FORMAT command can only be applied to a map/data area.
Explanation	With the LIST command, you have specified the FORMAT option. This option is only applicable to maps and data areas, but the listed object is not a map or data area.
Action	Do not use FORMAT for this object.

NAT4991: Only a stowed data area can be displayed formatted.

Text	Only a stowed data area can be displayed formatted.
Explanation	Only a stowed data area can be displayed formatted as only then is there a guarantee that the data area is syntactically correct - thus permitting formatting.
Action	Stow data area and retry.

78 Natural System Error Messages 5000-5049

NAT5000: LAST THREE DIGITS CONTAINCon-form ERROR CODE.

NAT5001: UNRECOGNIZABLECon-form CONTROL STATEMENT.

NAT5002: INVALID OR MISSING OPERAND INCon-form CONTROL STATEMENT.

NAT5003: INVALID NUMERIC OPERAND INCon-form CONTROL STATEMENT.

NAT5004: INVALID USAGE OF TEXT VARIABLE.

NAT5005: INVALID OR MISSING TEXT VARIABLE NAME.

NAT5006: SYNTAX ERROR DETECTED INCon-form ".SV" STATEMENT.

NAT5007: INVALID TEXT VARIABLE NAME.

NAT5008: ERROR SUBCLAUSE SYNTAX ERROR.

NAT5009: INPUT SUBCLAUSE SYNTAX ERROR (MEMBER SPECIFICATION).

NAT5010: INPUT SUBCLAUSE SYNTAX ERROR (LIBRARY SPECIFICATION).

NAT5011: on-form INPUT LINE EXCEEDS MAXIMUM LENGTH.

NAT5012: STARTING SUBCLAUSE SYNTAX ERROR.

NAT5013: ENDING SUBCLAUSE SYNTAX ERROR.

NAT5014: PROFILE SUBCLAUSE SYNTAX ERROR.

NAT5015: on-form INPUT LINE TOO LONG; HAS BEEN TRUNCATED.

NAT5016: ERROR DURINGCon-form REPORT OUTPUT.

NAT5017: on-form: NEGATIVE NUMERIC VALUE IS NOT PERMITTED.

NAT5018: on-form: VALUE EXCEEDS MAXIMUM LINE LENGTH.

NAT5019: on-form: LINE TOO LONG FOR BEING CENTERED.

NAT5020: on-form: ERROR IN BOX DEFINITION (.BX STATEMENT).

NAT5021: ERROR IN TEXT VARIABLE ASSIGNMENT.

NAT5022: MAXIMUM FIELD LENGTH OF TEXT VARIABLE EXCEEDED.

NAT5023: VALIDATION ERROR DURING TEXT VARIABLE ASSIGN./EXTRACT.

NAT5024: TEXT VARIABLE TO BE EXTRACTED WAS NOT PREVIOUSLY DEFINED.

NAT5025: FORMAT CONFLICT IN EXTRACTING FUNCTION.

NAT5026: on-form: TOO MANY INPUT SOURCES ARE BEING NESTED.

NAT5027: on-form: RECURSIVE NESTING OF INPUT SOURCES NOT ALLOWED.

NAT5028: on-form: NO TABULATOR SETTINGS ACTIVE.

NAT5029: ATTEMPT TO NEST TOO MANY INPUT LEVELS.

NAT5030: on-form: INVALID ".TB" CONTROL STATEMENT.

NAT5031: on-form: INVALID OPERAND IN ".PM" CONTROL STATEMENT.

NAT5032: on-form: INPUT BUFFER OVERFLOW DURING VARIABLE SUBSTIT.

NAT5033: TEXT VARIABLE NOT PREVIOUSLY DEFINED.

NAT5034: on-form: ".XF" STATEMENT WITHOUT PRECEDING ".TF".

NAT5035: TEXT ELEMENT COULD NOT BE FOUND.

NAT5036: NO TEXT VARIABLE NAMES SPECIFIED IN ".XF" STATEMENT.

NAT5037: on-form: TITLE EXCEEDS MAXIMUM LINE LENGTH.

NAT5038: on-form: TEXT COLUMN WIDTH LESS THAN ZERO.

NAT5039: THERE ARE TOO MANY TEXT VARIABLES DEFINED.

NAT5040: on-form: CONTROL STATEMENT IS NOT (YET) IMPLEMENTED.

NAT5042: on-form: MAXIMUM HIERARCHY LEVEL IN T.O.C. EXCEEDED.

NAT5043: on-form: INVALID PARAMETER VALUE IN ".CH" STATEMENT.

NAT5044: on-form: MAXIMUM LENGTH OF AN INDEX ENTRY EXCEEDED.

NAT5047: Con-form: Nesting error

NAT5049: on-form: INVALID SEQUENCE OF CONTROL STATEMENTS.

79 Natural System Error Messages 5050-5099

NAT5068: on-form: LEFT MARGIN POSITION GT RIGHT MARGIN POSITION.

NAT5069: on-form: RIGHT MARGIN POSITION LT LEFT MARGIN POSITION.

NAT5070: on-form: NO HEAD LINES DEFINED.

NAT5071: on-form: TOO MANY HEAD LINE SPECIFICATIONS.

NAT5072: on-form: INVALID USE OF ".ME" STATEMENT.

NAT5073: on-form: INVALID USE OF ".MA" STATEMENT.

NAT5074: on-form: MACRO DEFINITION NOT PROPERLY CLOSED.

NAT5075: on-form: TEXT MACRO DEFINED MORE THAN ONCE.

NAT5076: on-form: INVALID TEXT MACRO DEFINITION.

NAT5084: on-form: ILLEGAL NESTING OF ".XF" STATEMENTS.

NAT5090: on-form: TOO MANY FOOT NOTE SPECIFICATIONS.

NAT5092: MAXIMUM LENGTH OF TEXT VARIABLE NAME EXCEEDED - TRUNCATED.

NAT5093: TEXT VARIABLE VALUE EXCEEDED MAXIMUM LENGTH - TRUNCATED.

NAT5095: ".XF" TEXT ELEMENT MUST BE DIFFERENT FROM ".TF" ELEMENT.

NAT5096: on-form: CONVERSION TO UPPER CASE FOR MORE THAN ONE LINE

NAT5097: on-form: Too many lines in margin text

NAT5098: on-form: ".TH" WITHOUT PRECEDING ".IF".

80 Natural System Error Messages 5100-5149

NAT5100: on-form: ".EL" WITHOUT PRECEDING ".IF".

NAT5101: on-form: ".EI" WITHOUT PRECEDING ".IF".

NAT5102: on-form: ".EL" WITHOUT PRECEDING ".TH".

NAT5103: on-form: ".EI" EXPECTED BUT NOT RECEIVED.

NAT5104: on-form: INVALID NESTING OF ".HL" STATEMENTS.

NAT5105: on-form: INVALID NESTING OF ".BL" STATEMENTS.

NAT5106: on-form: INVALID OR MISSING OPERANDS IN ".VD" STATEMENT.

NAT5107: TEXT VARIABLE SPECIFIED MORE THAN ONCE IN ".VD" STMTS.

NAT5108: on-form: FORMAT ERROR IN ".VD" CONTROL STATEMENT.

NAT5109: on-form: INVALID OR MISSING POS IN ".VD" STATEMENT.

NAT5110: on-form: INVALID OR MISSING LEN IN ".VD" STATEMENT.

NAT5111: on-form: INVALID OR MISSING CONDITIONAL OPERATOR.

NAT5112: on-form: ".AN" WITHOUT PRECEDING ".IF".

NAT5113: on-form: ".OR" WITHOUT PRECEDING ".IF".

NAT5114: on-form: ".EW" WITHOUT PRECEDING ".WH".

NAT5115: on-form INPUT LINE TOO LONG; HAS BEEN TRUNCATED.

NAT5116: on-form: ".WH" MAY NOT BE SPECIFIED WITHIN ".IF" BLOCK.

NAT5117: on-form: INVALID NESTING OF ".WH" STATEMENTS.

NAT5118: on-form: VALUE EXCEEDS MAXIMUM LINE LENGTH.

NAT5119: on-form: ".EW" MISSING WHEN FORMATTING TERMINATES.

NAT5120: on-form: INVALID KEYWORD IN ".OP" STATEMENT.

NAT5124: on-form"S WORK POOL IS TOO SMALL.

NAT5126: on-form: MAXIMUM OF 30 TEXT VARIABLES IN ".VD".

NAT5127: on-form: RECURSIVE NESTING OF INPUT SOURCES NOT ALLOWED.

NAT5128: on-form: NO TABULATOR SETTINGS ACTIVE.

NAT5129: on-form: RESTORE (.RS) WITHOUT PRECEDING SAVE (.SA)

NAT5130: on-form: INVALID ".TB" CONTROL STATEMENT.

NAT5131: on-form: INVALID OPERAND IN ".PN" CONTROL STATEMENT.

NAT5132: on-form: INPUT BUFFER OVERFLOW DURING VARIABLE SUBSTIT.

NAT5133: TEXT VARIABLE NOT PREVIOUSLY DEFINED.

NAT5134: on-form: ".XF" STATEMENT WITHOUT PRECEDING ".TF".

NAT5135: TEXT ELEMENT COULD NOT BE FOUND.

NAT5136: NO TEXT VARIABLE NAMES SPECIFIED IN ".XF" STATEMENT.

NAT5137: on-form: TARGET LABEL FOR .GO STATEMENT NOT FOUND

NAT5138: on-form: .GO NOT ALLOWED OUTSIDE MACRO DEFINITIONS

NAT5139: THERE TOO MANY TEXT VARIABLES DEFINED.

NAT5140: on-form: CONTROL STATEMENT IS NOT (YET) IMPLEMENTED.

NAT5142: on-form: MAXIMUM HIERARCHY LEVEL IN T.O.C. EXCEEDED.

NAT5143: on-form: INVALID PARAMETER VALUE IN ".CH" STATEMENT.

NAT5144: on-form: MAXIMUM LENGTH OF AN INDEX ENTRY EXCEEDED.

NAT5149: on-form: INVALID SEQUENCE OF CONTROL STATEMENTS.

81 Natural System Error Messages 5150-5199

NAT5154: CON✾FORM: INTERNAL ERROR (SUBMIT TEXT FUNCTION)

NAT5155: on-form: .NL KEEP/FLOAT ACTIVE FOR MORE THAN ONE PAGE

NAT5158: on-form: NO COLUMNS ARE DEFINED (.CD IS MISSING).

NAT5159: on-form: LINE LENGTH (.LL) LT COMBINED COLUMN WIDTHS.

NAT5160: on-form: INVALID COLUMN DEFINITION.

NAT5165: on-form: Tab stop with invalid type definition

NAT5168: on-form: LEFT MARGIN POSITION GT RIGHT MARGIN POSITION.

NAT5169: on-form: RIGHT MARGIN POSITION LT LEFT MARGIN POSITION.

NAT5170: on-form: NO HEAD LINES DEFINED.

NAT5171: on-form: TOO MANY HEAD LINE SPECIFICATIONS.

NAT5172: on-form: INVALID USE OF ".ME" STATEMENT.

NAT5173: on-form: INVALID USE OF ".MA" STATEMENT.

NAT5174: on-form: MACRO DEFINITION NOT PROPERLY CLOSED.

NAT5175: on-form: TEXT MACRO DEFINED MORE THAN ONCE.

NAT5176: on-form: INVALID TEXT MACRO DEFINITION.

NAT5184: on-form: ILLEGAL NESTING OF ".XF" STATEMENTS.

NAT5190: on-form: TOO MANY FOOT NOTE SPECIFICATIONS.

NAT5192: MAXIMUM LENGTH OF TEXT VARIABLE NAME EXCEEDED - TRUNCATED.

NAT5193: TEXT VARIABLE VALUE EXCEEDED MAXIMUM LENGTH - TRUNCATED.

NAT5195: ".XF" TEXT ELEMENT MUST BE DIFFERENT FROM ".TF" ELEMENT.

NAT5196: on-form: CONVERSION TO UPPER CASE FOR MORE THAN ONE LINE.

NAT5198: on-form: ".TH" WITHOUT PRECEDING ".IF".

82 Natural System Error Messages 5200-5249

NAT5234: Invalid ADJUST request.

Text	Invalid ADJUST request.
Explanation	The dataset version is not consistent with the Natural version.

NAT5235: Invalid subroutine name detected during loading.

Text	Invalid subroutine name detected during loading.
Explanation	During loading, a subroutine was detected whose external name is already used by another subroutine.

NAT5236: Load file is empty; there is nothing to be loaded.

Text	Load file is empty; there is nothing to be loaded.

NAT5237: Non-zero condition code from user exit at termination.

Text	Non-zero condition code from user exit at termination.

NAT5238: Invalid FDIC file for processing of XREF data.

Text	Invalid FDIC file for processing of XREF data.

NAT5239: Non-zero error code received during NATLOAD processing.

Text	Non-zero error code received during NATLOAD processing.
Explanation	This occurs when the NATLOAD error transaction is invoked.

NAT5240: Error in validation of NATUNLD/NATLOAD command.

Text	Error in validation of NATUNLD/NATLOAD command.
Explanation	An error occurred during validation of a NATUNLD/NATLOAD command.
Action	Check and correct command.

NAT5241: Error while reading PC work file.

Text	Error while reading PC work file.
Explanation	An error occurred while NATLOAD was reading a load file which was a PC work file.

NAT5242: Invalid header information or load file format.

Text	Invalid header information or load file format.
Explanation	Either the header information on the load file is invalid, or the format of the load file is not consistent with the NATLOAD version being used.

NAT5243: Incomplete or inconsistent load file.

Text	Incomplete or inconsistent load file.
Explanation	When processing programming objects, either an inconsistency occurred during the processing of the load file, or the load file is incomplete.

NAT5244: Load file inconsistency while processing views.

Text	Load file inconsistency while processing views.
Explanation	While processing views, an inconsistency was detected in the processing of the load file.

NAT5245: Non-zero condition code; NATLOAD could not continue.

Text	Non-zero condition code; NATLOAD could not continue.
Explanation	A non-zero condition code was received, and NATLOAD processing could not continue.

83 Natural System Error Messages 5250-5299

NAT5251: RECOVER rejected: load file is no Natural Security file.

Text	RECOVER rejected: load file is no Natural Security file.

NAT5252: RECOVER rejected; Natural Security is not installed.

Text	RECOVER rejected; Natural Security is not installed.

NAT5270: You are not authorized for this load operation.

Text	You are not authorized for this load operation.
Explanation	You are not defined as a member of the group "PAA-AUTH" in Natural Security. This error only occurs with Predict APPLICATION AUDIT.
Action	Contact your Natural Security administrator.

NAT5271: Inconsistency when processing File Translation Table.

Text	Inconsistency when processing File Translation Table.
Explanation	While processing the File Translation Table, an inconsistency occurred during the processing of the load file. This error only occurs with Predict Application Control.

NAT5272: Maximum number of versions reached for an object.

Text	Maximum number of versions reached for an object.
Explanation	Processing cannot continue, because the maximum number of versions was reached for a particular object. This error only occurs with Predict APPLICATION AUDIT.

84 Natural System Error Messages 5300-5349

NAT5300: THECon-form BUFFER IS TOO SMALL.

NAT5301: INVALID RESETTING OPERATION ATTEMPTED.

NAT5302: FORMAT INCOMPATABILITY IN "MOVING" OPERATION.

NAT5303: FORMAT INCOMPATABILITY IN ASSIGNING/EXTRACTING OPERATION.

NAT5304: TEXT VARIABLE NAME MUST BE ALPHANUMERIC.

NAT5305: UNPAIRED PARAMETER IN ASSIGNING/EXTRACTING OPERATION.

NAT5306: TIMER ERROR.

NAT5307: OUTPUT SUBCLAUSE SYNTAX ERROR.

NAT5308: ERROR SUBCLAUSE SYNTAX ERROR.

NAT5309: INPUT SUBCLAUSE SYNTAX ERROR (MEMBER SPECIFICATION).

NAT5310: INPUT SUBCLAUSE SYNTAX ERROR (LIBRARY SPECIFICATION).

NAT5311: TOO MANY INPUT LEVELS ARE DEFINED.

NAT5312: STARTING SUBCLAUSE SYNTAX ERROR.

NAT5313: ENDING SUBCLAUSE SYNTAX ERROR.

NAT5314: PROFILE SUBCLAUSE SYNTAX ERROR.

NAT5315: SYNTAX ERROR IN "CONFORMF" CALL.

NAT5316: INVALID FORMATTING SUBCLAUSE ENTRY.

NAT5317: MULTIPLE SUBCLAUSE SPECIFICATION.

NAT5318: GENERAL SYNTAX ERROR IN "CONFORMF" CALL.

NAT5319: THERE IS NO WORK AREA FORCon-form.

NAT5320: INVALID TEXT VARIABLE NAME IN ASSIGNING/EXTRACTING OPER.

NAT5321: ERROR IN TEXT VARIABLE ASSIGNMENT.

NAT5322: MAXIMUM FIELD LENGTH OF TEXT VARIABLE EXCEEDED.

NAT5323: VALIDATION ERROR DURING TEXT VARIABLE ASSIGN./EXTRACT.

NAT5324: TEXT VARIABLE TO BE EXTRACTED WAS NOT PREVIOUSLY DEFINED.

NAT5325: FORMAT CONFLICT IN EXTRACTING FUNCTION.

NAT5326: LENGTH OF TEXT VARIABLE EXCEEDS LENGTH OF NPL VARIABLE.

NAT5327: ERROR DURING EXECUTION OF A "MOVING" OPERATION.

NAT5328: INVALID TEXT ELEMENT SPECIFIED IN "FORMATTING" REQUEST.

NAT5329: ATTEMPT TO NEST TOO MANY INPUT LEVELS.

NAT5330: STATUS SUBCLAUSE SYNTAX ERROR.

NAT5331: STATUS SUBCLAUSE SYNTAX ERROR.

NAT5332: STATUS SUBCLAUSE WITHOUT PRECEDING PARAMETERS.

NAT5333: STATUS SUBCLAUSE SYNTAX ERROR.

NAT5334: FATAL MESSAGE OUTPUT FAILURE.

NAT5335: FATAL REPORT OUTPUT FAILURE.

NAT5336: FATAL REPORT OUTPUT FAILURE.

NAT5337: INVALID OUTPUT STRING SPECIFICATION.

NAT5338: OUTPUT STRING SPECIFICATIONS MISSING.

NAT5339: OUTPUT STRING SPECIFICATIONS EXPECTED.

NAT5340: OUTPUT STRING SPECIFICATIONS DISALLOWED.

NAT5341: UNEXPECTED TEXT INPUT.

NAT5342: ONLY ONE INPUT STRING PERMITTED.

NAT5343: on-form ABNORMAL END

NAT5344: Syntax error in password specification.

NAT5345: Password validation error.

85 Natural System Error Messages 5350-5399

NAT5360: Non-zero Adabas response - :1:/:2: (RC=:3:/:4:).

Text	Non-zero Adabas response - .../... (RC=.../...).
Explanation	The Natural/SAP Communication has received a non-zero response from the database. The error may have been caused by one of the following: - A time-out condition has occurred. - An invalid request was made to the database. Additional information about which command received the response code can be obtained by analyzing the contents of the DDM field "ERROR-TEXT".
Action	Analyze persistent errors using the ERROR-TEXT field.

NAT5361: Installation error: "ADALNK" is not reentrant.

Text	Installation error: "ADALNK" is not reentrant.
Explanation	Natural/SAP Communication requires that a reentrant Adabas link module "ADALNK" be used.

Action	Make the necessary modifications to ADANLK, as described in the source. Assemble and link-edit the module before attempting again.

NAT5362: Unexpected SDAM response received (RC=:1:).

Text	Unexpected SDAM response received (RC=...).
Explanation	The SDAM interface used by Natural/SAP Communication has returned a non-zero response. The response code is located in the DDM field ERROR-TEXT RC Description -- ----------
Action	Check the SAP/Qmacros with which XCOMSAP was compiled. For further assistance, contact technical support.

NAT5363: No record found with given key or RSA.

Text	No record found with given key or RSA.
Explanation	No record was found because: 1) a header segment was accessed using the Master-Index field "BMI" with an invalid value, or 2) an internal error occurred when accessing the SAP/Document File with an invalid RSA.
Action	Check the value of "BMI", when used. Contact technical support for further assistance.

NAT5364: Logical file ID/segment ID not found in description table.

Text	Logical file ID/segment ID not found in description table.
Explanation	An access was made using a logical file number which was not found in the SAP/description tables (XCOMSAP); or the segment ID used internally was not located within the SAP/description tables.
Action	Check for the file number (LFID) in the modules XCOMSAP and XCOMFUNC. Check the version of the SAP Qmacros which were used to assemble XCOMSAP.

NAT5365: Document-type is invalid for the SAP/table used.

Text	Document-type is invalid for the SAP/table used.
Explanation	The value used in the FIND/READ statement for the document-type (DDM field "BLTYP") is invalid for this SAP/View. A list of document-types and the associated logical files is provided in the documentation. The document-type is optional and can be omitted. Natural/SAP Communication supplies the document-type when it is not otherwise specified.
Action	Check the value of the document-type, and where possible avoid using it.

NAT5366: SAP/document files do not have the same database-ID.

Text	SAP/document files do not have the same database-ID.

Explanation	The SAP/document files have different database IDs in the SAP/description table (XCOMSAP). Natural/SAP requires that the SAP/files: ABMI - Master Index File ABIB - Secondary Index File ABEZ - Document Container File all have the same database ID.
Action	Check the SAP/description table for correctness.

NAT5367: Queuing error: WADS or workarea address not found.

Text	Queuing error: WADS or workarea address not found.
Explanation	An internal error has occurred.
Action	Contact technical support for further assistance.

NAT5368: FB/SB work buffer overflow (:1:/RECAREA).

Text	FB/SB work buffer overflow (:1:/RECAREA).
Explanation	An internal error has occurred.
Action	Contact technical support for further assistance.

NAT5369: GETMAIN storage error - :1:/:2: (RC=:3:)

Text	GETMAIN storage error - .../... (RC=...)

Explanation	A non-zero response code was received by Natural/SAP Communication when attempting to perform a GETMAIN. This error can only occur when the resources are exhausted. The most common reason for this problem is that the region size is too small for the number of users that are concurrently active.
Action	Check the region size. Contact technical support for further assistance.

NAT5370: FREEMAIN storage error - :1:/:2: (RC=:3:)

Text	FREEMAIN storage error - .../... (RC=...)
Explanation	A non-zero response code was received by Natural/SAP Communication while attempting to perform a FREEMAIN. This situation should not occur. Repeated occurrence of this error could lead to a depletion of resources and a GETMAIN error.
Action	Contact technical support for assistance.

NAT5371: Invalid value in Master-Index - :1:.

Text	Invalid value in Master-Index - ....
Explanation	A sub-field of the Master-Index used to access the SAP/Document File contains an invalid value. The range of values for each of the sub-fields is listed below: Sub-Field Field Name Range of Values ---------- ---------- ---------- Client Number MANDANT 00 to 99 Company Code BUKRS Greater than "00" Document Number BLNR Greater than "00000000"

Action	Check value of Master-Index used in FIND/READ statement.

NAT5372: Internal error: Search/value buffer analysis (RC=:1:)

Text	Internal error: Search/value buffer analysis (RC=:1:)
Explanation	An internal error occurred when performing the search/value buffer analysis. This error can occur when insufficient work-area space is available or an invalid numeric value is encountered in the value buffer.
Action	Consult technical support for further assistance.

NAT5373: Wildcards and multiple SVB entries are not supported.

Text	Wildcards or multiple field entries in the Search/Value buffer have been encountered.
Explanation	The use of wildcards "*" or multiple field entries are not supported by Natural/SAP Communication.
Action	Check and correct the search criterion used in the FIND statement.

NAT5374: Invalid OFFSET-Field used in search criterion or overlap.

Text	Either an OFFSET field which is not a descriptor has been used a part of the search criterion, or one OFFSET field overlaps another.
Explanation	The main data key of the secondary index is often redefined, and thus provides the user with multiple keys with which the data can be accessed. This error occurs when an invalid search criterion has been used; i.e. parts of different keys have been combined in one logical search criterion. The search-buffer analysis determines such errors from the fact that these OFFSET fields overlap.

Action	Check and correct the search criterion. Consult the SAP/system description for further information.

NAT5375: Invalid DB-Field used as descriptor.

Text	A field has been used which is either unknown to the file processor or not inverted.
Explanation	Fields which are not descriptors cannot be used in a search criterion. Furthermore, some of the fields in the DDM are file-access dependent. For example, the field group "MASTER-INDEX" and all fields within this group can only be used when accessing the SAP/document file. The use of these fields in a search criterion while accessing the secondary index (ABIB) will result in such an error.
Action	Check and correct search criterion. See the NATSAP Programming Considerations for further information.

NAT5376: Mandatory field missing.

Text	Mandatory field missing.
Explanation	The use of some fields in the search criterion is required. This is the case for the field CLIENT NUMBER (MANDT). The section "Programming Considerations" of the Natural/SAP Communication documentation explains this in more detail.
Action	Check and correct the search criterion. See the "Programming Considerations" for further information.

NAT5377: "Single Value" field used with multiple values.

Text	"Single Value" field used with multiple values.
Explanation	Some fields cannot be used in the search criterion with multiple values or a range of values. They may only be assigned a "single" value, and, for example, must not be used in the Natural THRU clause. Some examples of such fields are: - CLIENT NUMBER - DOCUMENT TYPE Single-value fields are explained in the "Programming Considerations" in greater detail.
Action	Check and correct search criterion. See the "Programming Considerations" for further information.

NAT5378: A composite-key field has been misused.

Text	A composite-key field has been misused.
Explanation	There are two composite keys in every DDM: "BMI" and "BSI". These fields are used as part of the search criterion or are returned for use in the following FIND/READ loops. The fields, when used, are to be used alone, and cannot be combined with other key fields. These composite fields are file-oriented. - "BMI" can only be used when accessing the document file (ABEZ) - "BSI" can only be used when accessing the secondary index (ABIB) The current master-index value for the record being accessed is always returned in "BMI".
Action	Check and correct the search criterion See the "Programming Considerations" for further information.

NAT5379: Internal positioning error has occurred (RC=:1:).

Text	Internal positioning error has occurred (RC=...).
Explanation	An internal error has occurred while attempting to position within a structured document. One of the following errors has occurred: RC Description ----- ---------- x"FB" Mismatching segment ID"s positioning in document. x"FD" Index error while positioning within XCOMSAP.
Action	Contact technical support for further assistance.

NAT5380: Dependent segment accessed without reading parent segment

Text	Dependent segment accessed without reading parent segment
Explanation	The position segments of the documents files AUFK and AUAK are hierarchically structured, e.g. parent-child relationship. Structured documents must be accessed in this parent-child order. You cannot access a lower-level document segment without having first read the next higher-level segment.
Action	See the SAP documentation for a description of the file structure, and correct the nesting of the FIND/READ statements.

NAT5381: Order of accessing segments incorrect.

Text	Order of accessing segments incorrect.
Explanation	The position segments of the document files AUFK and AUAK are hierachically structured, e.g. parent-child relationship. Structured documents must be accessed in this parent-child order. You cannot access a higher-level segment from within a lower-level access loop. The order of access must always be from top to bottom.

Action	See the SAP documentation for a description of the file structure, and correct the nesting of the FIND/READ statements.

NAT5382: Invalid length of field group encountered.

Text	Invalid length of field group encountered.
Explanation	While decompressing a document, a field group with an invalid length attribute was encountered. The length attribute is either zero (0) or greater than 8000. This type of error can occur when the version of the SAP data does not coincide with the version of the QMACROS used for generating the NATSAP description table (XCOMSAP).
Action	Regenerate XCOMSAP and retry; should the error persist, analyze the document with SAP utilities.

NAT5399: Recursive entry into error handler.

Text	The error handler has been entered recursively.
Explanation	This is most likely an internal error and should be reported to technical support.
Action	Consult technical support for further assistance.

86 Natural System Error Messages 5400-5449

NAT5400: No subclause given in COMPOSE statement.

Text	No subclause given in COMPOSE statement.
Action	Correct error in program.

NAT5401: Format in MOVING clause must be A, or P/N less or equal 16.

Text	Format in MOVING clause must be A, or P/N less or equal 16.
Explanation	The format of operand 1 in COMPOSE MOVING clause must either be alphanumeric, packed, or numeric. If the operand is of type alphanumeric with length one, the value should not be "." (period) or "," (comma). If the operand is of type packed or numeric, the total number of digits may not exceed 16.
Action	Correct error in program.

NAT5402: TO VARIABLES or TO DATAAREA missing in MOVING clause.

Text	TO VARIABLES or TO DATAAREA missing in MOVING clause.
Action	Correct error in program.

NAT5403: More than 37 variables/constants in MOVING clause.

Text	More than 37 variables/constants in MOVING clause.
Action	Correct error in program.

NAT5404: Error in STATUS variable.

Text	Error in STATUS variable.
Action	Correct error in program.

NAT5405: Error in left part of ASSIGNING clause in COMPOSE.

Text	Error in left part of ASSIGNING clause in COMPOSE.
Action	Correct error in program.

NAT5406: Error in right part of ASSIGNING clause in COMPOSE.

Text	Error in right part of ASSIGNING clause in COMPOSE.

Action	Correct error in program.

NAT5407: Over 19 variable pairs in ASSIGNING/EXTRACTING clause.

Text	Over 19 variable pairs in ASSIGNING/EXTRACTING clause.
Action	Correct error in program.

NAT5408: Error in left part of EXTRACTING clause.

Text	Error in left part of EXTRACTING clause.
Action	Correct error in program.

NAT5409: Error in right part of EXTRACTING clause.

Text	Error in right part of EXTRACTING clause.
Action	Correct error in program.

NAT5410: CABINET operand must be type A, less or equal eight char.

NAT5411: No output device for formatted output.

Text	No output device for formatted output.
Action	Correct error in program.

NAT5412: OUTPUT CALLING variable must be of alphanumeric format.

Text	OUTPUT CALLING variable must be of alphanumeric format.
Action	Correct error in program.

NAT5413: Subclause in FORMATTING clause may be specified only once.

Text	Subclause in FORMATTING clause may be specified only once.
Explanation	All subclauses of the FORMATTING clause may be used in any order, but each subclause may be used only once.
Action	Correct error in program.

NAT5414: GIVING operand in OUTPUT subclause must be B4 or B10.

Text	GIVING operand in OUTPUT subclause must be B4 or B10.
Explanation	The format/length of the operand specified after the keyword GIVING in the OUTPUT subclause of a COMPOSE statement must be B4 or B10. See the Natural documentation for details on the COMPOSE statement.
Action	Correct error in program.

NAT5415: Error in definition of input destination.

Text	Error in definition of input destination.

Action	Correct error in program.

NAT5416: Error in definition of input source.

Text	Error in definition of input source.
Action	Correct error in program.

NAT5417: The keyword "FROM" is missing.

Text	The keyword "FROM" is missing.
Action	Correct error in program.

NAT5418: Max.number of source definitions in INPUT clause is 9/10.

Text	Max.number of source definitions in INPUT clause is 9/10.
Action	Correct error in program.

NAT5419: Error in printer assignment in ERRORS/MESSAGES subclause.

Text	Error in printer assignment in ERRORS/MESSAGES subclause.
Action	Correct error in program.

NAT5420: Invalid page number in STARTING/ENDING subclause.

Text	Invalid page number in STARTING/ENDING subclause.
Action	Correct error in program.

NAT5422: Error in PROFILE definition.

Text	Error in PROFILE definition.
Explanation	PROFILE operand must be of type A and the operand length must be greater than one character and less than or equal to 32 characters.
Action	Correct error in program.

NAT5423: Error in STATUS definition.

Text	Error in STATUS definition.
Action	Correct error in program.

NAT5424: The INPUT subclause may be specified only once.

Text	The INPUT subclause may be specified only once.
Action	Correct error in program.

NAT5425: Input error in EXIT or CABINET parameter.

Text	Input error in EXIT or CABINET parameter.
Action	Correct error in program.

NAT5426: The ERRORS subclause may be specified only once.

Text	The ERRORS subclause may be specified only once.
Action	Correct error in program.

NAT5427: The MESSAGES subclause may be specified only once.

Text	The MESSAGES subclause may be specified only once.
Action	Correct error in program.

NAT5428: The STARTING subclause may be specified only once.

Text	The STARTING subclause may be specified only once.
Action	Correct error in program.

NAT5429: The ENDING subclause may be specified only once.

Text	The ENDING subclause may be specified only once.

Action	Correct error in program.

NAT5430: The PROFILE subclause may be specified only once.

Text	The PROFILE subclause may be specified only once.
Action	Correct error in program.

NAT5431: The STATUS subclause may be specified only once.

Text	The STATUS subclause may be specified only once.
Action	Correct error in program.

NAT5432: PASSW operand must be of type A, less than or equal 8 char.

Text	PASSW operand must be of type A, less than or equal 8 char.
Explanation	The format/length of the operand specified after the keyword PASSW in a COMPOSE statement must be A8.
Action	Correct error in program.

NAT5433: CONTROL variables must be of format/length A1.

Text	CONTROL variables must be of format/length A1.
Explanation	The two variables specified after the keyword CONTROL in the OUTPUT subclause of a COMPOSE statement must be of format A1.

Action	Correct error in program.

NAT5434: Maximum number of variables in OUTPUT TO VARIABLES is 20.

Text	Maximum number of variables in OUTPUT TO VARIABLES is 20.
Explanation	In the OUTPUT TO VARIABLES subclause of a COMPOSE statement, you must not specify more than 20 variables.
Action	Correct error in program.

NAT5435: Error in receiving variable of FORMATTING OUTPUT clause.

Text	Error in receiving variable of FORMATTING OUTPUT clause.
Explanation	The receiving variable in the OUTPUT subclause must be of type A. Note, that it is not recommended to use A1 variables.
Action	Correct error in program.

NAT5436: MOVING OUTPUT operand must be of format A.

Text	MOVING OUTPUT operand must be of format A.
Explanation	The operand specified after MOVING OUTPUT in a COMPOSE statement must be of format A.
Action	Correct error in program.

87 Natural System Error Messages 5450-5499

NAT5460: Initialization of socket/SSL communication failed.

Text	Initialization of socket/SSL communication failed.
Explanation	The initialization of the socket/SSL communication for Natural for Ajax failed. A socket error occurred. When using SSL encryption, make sure that the client/server certificates and private keys are set up correctly.
Action	Contact your system administrator.

NAT5461: Session disconnected. Error number :1:, error text :2:.

Text	Session disconnected. Error number ..., error text ....
Explanation	While the session was waiting to receive data from Natural for Ajax, it was disconnected abnormally.
Action	Contact your system administrator.

NAT5462: Receive data length failed. Error no. :1:, error text :2:.

Text	Receive data length failed. Error no. ..., error text ....
Explanation	An error occurred while receiving the length of the next packet from Natural for Ajax.
Action	Contact your system administrator.

NAT5463: Receive data failed. Error number :1:, error text :2:.

Text	Receive data failed. Error number ..., error text ....
Explanation	An error occurred while receiving the next packet from Natural for Ajax.
Action	Contact your system administrator.

NAT5464: Send data length failed. Error number :1:, error text :2:.

Text	Send data length failed. Error number ..., error text ....
Explanation	An error occurred while sending the length of the next packet to Natural for Ajax.
Action	Contact your system administrator.

NAT5465: Send data failed. Error number :1:, error text :2:.

Text	Send data failed. Error number ..., error text ....
Explanation	An error occurred while sending the next packet to Natural for Ajax.
Action	Contact your system administrator.

NAT5466: The time limit expired.

Text	The time limit expired.
Explanation	While the session was waiting to receive data from Natural for Ajax, the time limit specified in NWOTIMEOUT has expired.
Action	Contact your system administrator.

NAT5470: Page layout :1: is not defined.

Text	Page layout ... is not defined.
Explanation	The application requested a page layout that was not defined in Natural for Ajax.
Action	Create the page layout before using it in an application.

NAT5471: Identifier :1: is not defined in layout :2:.

Text	Identifier ... is not defined in layout ....
Explanation	The application sent data for a field that was not defined in the requested page layout.
Action	Check the page layout and regenerate the page adapter.

NAT5472: Event :1: is not supported by Natural for Ajax.

Text	Event ... is not supported by Natural for Ajax.
Explanation	The application sent an event to Natural for Ajax in the SEND EVENT clause of a PROCESS PAGE statement that is not supported by Natural for Ajax.
Action	Check the program and correct the error.

NAT5477: Incorrect NAME syntax :1:.

Text	Incorrect NAME syntax ....
Explanation	The syntax of the indicated value ... in the NAME clause of the PROCESS PAGE statement is incorrect.
Action	Correct the indicated value in the NAME clause of the PROCESS PAGE statement.

NAT5478: Incompatible NAME :1:.

Text	Incompatible NAME ....
Explanation	The indicated value ... in the NAME clause of the PROCESS PAGE statement is incompatible with the corresponding VALUE variable. NAME and VALUE must be both scalar or array type variables with the same number of dimensions.
Action	Correct the indicated value in the NAME clause or change the VALUE parameter to a compatible variable.

NAT5479: Identifier :1: is not defined in PROCESS PAGE statement.

Text	Identifier ... is not defined in PROCESS PAGE statement.
Explanation	The client has sent data for a field that is not defined by NAME/VALUE for the current PROCESS PAGE statement.
Action	Make sure that the page adapter corresponds to the page layout of the page requested by the PROCESS PAGE statement. Regenerate, transfer and recatalog the adapter if necessary.

88 Natural System Error Messages 5500-5549

NAT5500: VSAM error during job submission.

Text	ESY5500 VSAM error during job submission.
Explanation	An error occurred during job submission.
Action	Resubmit job. If error persists, contact the systems programmer.

NAT5502: SYSQL error.

Text	ESY5502 SYSQL Error.
Explanation	Internal ESY error.
Action	Please contact SAG Support.

NAT5503: RECALL error.

Text	ESY5503 RECALL error.
Explanation	Data set could not be recalled using ARCHRCAL macro. Check if the data set has actually been migrated. If it has, contact the systems programmer regarding the installed migration tool.
Action	Check dataset status and/or migration tool with systems programmer.

NAT5506: Data set is migrated.

Text	ESY5506 Data set is migrated.
Explanation	Dataset is archived on external storage media.
Action	Please use startup parameter RECALL in ESY.

NAT5507: Too many parallel ESY requests.

Text	ESY5507 Too many parallel ESY requests.
Explanation	You may only use 5 nested loops in ESY.
Action	Please check programs and correct error.

NAT5508: Adabas response code :1: returned from Entire System Server.

Text	ESY5508 Adabas response code ... returned from Entire System Server.
Explanation	Adabas response code is returned from Entire System Server.
Action	Please contact your database administrator.

NAT5509: Logon failed - check LOGON-ID / PASSWORD.

Text	ESY5509 Logon failed - check LOGON-ID / PASSWORD.
Explanation	The attempted logon failed. Note: A more detailed message is returned by the installed security system when the ERROR-TEXT field is specified.
Action	Try to logon again, using a valid LOGON-ID and PASSWORD.

NAT5510: Logon required.

Text	ESY5510 Logon required.
Explanation	Expected NATPROC-LOGON request is missing.
Action	Logon to Entire System Server (view NATPROC-LOGON).

NAT5511: Function must be LOGON/LOGOFF.

Text	ESY5511 Function must be LOGON/LOGOFF.

Explanation	An invalid function was given in view NATPROC-LOGON.
Action	Check source program. Valid functions are LOGON and LOGOFF.

NAT5520: No core available.

Text	ESY5520 No core available.
Explanation	The amount of core required for each user is: MAXFBL + MAXSBL + MAXCBL + (NUMREQ * BUFLEN)
Action	Increase the auxiliary buffer size (ASIZE parameter).

NAT5521: NATPNI/NATPNIP unresolved.

Text	ESY5521 NATPNI/NATPNIP unresolved.
Explanation	This NATURAL nucleus is unable to perform Entire System Server functions.
Action	Contact the NATURAL Administrator.

NAT5530: Access denied by Security facility.

Text	ESY5530 Access denied by Security facility.
Explanation	A security violation has occurred. This return code has been issued by the security system with which Entire System Server interfaces.

Action	No action is required.

NAT5531: Password missing or incorrect.

Text	ESY5531 Password missing or incorrect.
Explanation	The dataset is password protected, i.e. a password must be supplied.
Action	Enter a valid password.

NAT5532: :1: limit specified.

Text	ESY5532 ... limit specified.
Explanation	Limit reached. Request processing stopped.
Action	No action is required.

NAT5533: Requested number of records scanned.

Text	ESY5533 Requested number of records scanned.
Explanation	Requested number of records in READ-FILE or READ-SPOOL scanned and no match for search-creteria found.
Action	No action required.

NAT5534: File is not a load library.

Text	ESY5534 File is not a load library.
Explanation	File is not a load library.
Action	Check file name and type of dataset.

NAT5535: File has invalid format.

Text	ESY5535 File has invalid format.
Explanation	File has not supported DSORG.
Action	Check with the systems programmer.

NAT5536: CVA error :1: accessing VTOC.

Text	ESY5536 CVA error ... accessing VTOC.
Explanation	Macro CVAFDIR caused error.
Action	Check inline error code with the systems programmer.

NAT5537: Time limit reached.

Text	ESY5537 Time limit reached.

Explanation	Time limit reached and no record was found for this search criteria.
Action	Check requested view parameters and rerun program.

NAT5538: Invalid RECORD-LENGTH specified.

Text	ESY5538 Invalid RECORD-LENGTH specified.
Explanation	Invalid RECORD-LENGTH specified.
Action	Correct error and rerun program.

NAT5539: DFHSMREQ failed with RC = :1:.

Text	ESY5539 DFHSMREQ failed with RC = ...
Explanation	A request failed to delete a migrated data set.
Action	Contact your storage administrator.

NAT5541: Member generation not found in directory.

Text	Member generation not found in directory.
Explanation	An attempt was made to access a member generation which doesn"t exist.
Action	Specify a valid combination of member name and generation number.

NAT5542: GENERATION not valid for this library.

Text	GENERATION not valid for this library.
Explanation	A generation number has been specified, but the library does not support member generations.
Action	Specify a generation number only for a PDSE library that supports member generations..

NAT5543: GENERATION not valid for FUNCTION =:1:.

Text	GENERATION not valid for FUNCTION =:1:.
Explanation	A GENERATION cannot be specified for the requested FUNCTION.
Action	Specify a GENERATION only for FUNCTION=SCRATCH.

NAT5544: Invalid File-ID.

Text	ESY5544 Invalid File-ID.
Explanation	The requested file-id does not exist.
Action	Specify valid file-id.

NAT5548: CLOSE required for :1:

Text	CLOSE required for :1:

Explanation	A sequence of WRITE-FILE requests ended without a terminating request with FUNCTION="CLOSE" specified.
Action	Specify FUNCTION="CLOSE" for the last WRITE-FILE request.

NAT5549: Not a PDSE data set.

Text	Not a PDSE data set.
Explanation	The data set is not in PDSE format.
Action	No action is required.

89 Natural System Error Messages 5550-5599

NAT5550: Not a PDS or LIBRARIAN file or VSAM data set.

Text	ESY5550 Not a PDS or LIBRARIAN file or VSAM data set.
Explanation	An attempt was made to access the directory of a non-PDS file.
Action	Change data set name and rerun program.

NAT5551: Member not specified.

Text	ESY5551 Member not specified.
Explanation	An attempt was made to access a PDS member without specifying its name.
Action	Specify member name.

NAT5552: NEWNAME / ALIAS operand missing.

Text	ESY5552 NEWNAME / ALIAS operand missing.
Explanation	No value for NEWNAME or ALIAS was given. Formats are: NEWNAME (A8) - view PDS-UPDATE ALIAS (A8) - view CATALOG-UPDATE NEWNAME (A44) - view VTOC-UPDATE
Action	Supply a value for NEWNAME or ALIAS.

NAT5553: I/O error on directory.

Text	ESY5553 I/O error on directory.
Explanation	An error occurred while reading a PDS directory.
Action	The directory of the specified data set is probably invalid. Check with the systems programmer.

NAT5554: MEMBER not found in directory.

Text	ESY5554 MEMBER not found in directory.
Explanation	An attempt was made to access a member which does not exist.
Action	Specify valid member name.

NAT5555: NEWNAME / ALIAS already exists in directory.

Text	ESY5555 NEWNAME / ALIAS already exists in directory.
Explanation	Values for NEWNAME and ALIAS must be unique within a directory. The value specified already exists.
Action	Enter a unique value for NEWNAME or ALIAS.

NAT5556: File is in use.

Text	ESY5556 File is in use.
Explanation	The file is under exclusive control of another user.
Action	Retry at a later time.

NAT5557: File is held by linkage editor.

Text	ESY5557 File is held by linkage editor.
Explanation	The file is under exclusive control of the linkage editor.
Action	Retry at a later time.

NAT5558: No space in Directory.

Text	ESY5558 No space in Directory.

Explanation	No space is available in the Directory.
Action	Enlarge the Directory.

NAT5559: STOW error, RC :1:, reason :2:.

Text	ESY5559 STOW error, RC ..., reason ....
Explanation	An error occurred during a STOW attempt.
Action	No action is required.

NAT5560: Segment length greater than 253.

Text	ESY5560 Segment length greater than 253.
Explanation	The maximum segment length is 253.
Action	Specify a valid SEGMENT-LENGTH.

NAT5561: Required catalog does not exist.

Text	ESY5561 Required catalog does not exist.
Explanation	The specified catalog does not exist.
Action	Specify a valid CVOL.

NAT5562: Catalog entry not found.

Text	ESY5562 Catalog entry not found.
Explanation	The entry was not found in the catalog.
Action	No action is required.

NAT5563: Data set is an index.

Text	ESY5563 Data set is an index.
Explanation	The data set to be catalogued is an index.
Action	Specify a valid data set name.

NAT5564: Data set not at lowest index level.

Text	ESY5564 Data set not at lowest index level.
Explanation	The data set name entered must be at the lowest index level.
Action	Enter a valid data set name.

NAT5565: Syntax error in data set name.

Text	ESY5565 Syntax error in data set name.

Explanation	A syntax error was detected in the data set name.
Action	Specify a valid data set name.

NAT5566: Syntax error in catalog name.

Text	ESY5566 Syntax error in catalog name.
Explanation	A syntax error was detected in the catalog name.
Action	Specify a valid catalog name.

NAT5567: Invalid option, specify LONG or USERCAT.

Text	ESY5567 Invalid OPTION, specify LONG or USERCAT.
Explanation	An invalid OPTION was specified, valid options are LONG and USERCAT.
Action	Specify a valid OPTION (LONG or USERCAT).

NAT5568: File or directory not found.

Text	ESY5568 File or directory not found.
Explanation	The required file or directory could not be found.
Action	Check pathname and file name.

NAT5571: DSNAME operand missing.

Text	ESY5571 DSNAME operand missing.
Explanation	A fully qualified data set name must be specified. Format is (A44).
Action	Enter a valid DSNAME.

NAT5572: NEWNAME missing.

Text	ESY5572 NEWNAME missing.
Explanation	A fully qualified data set must be specified as NEWNAME for the RENAME function.
Action	Specify a valid DSNAME in the NEWNAME field for the RENAME function.

NAT5573: SCRATCH invalid.

Text	ESY5573 SCRATCH invalid.

NAT5574: RENAME invalid.

Text	ESY5574 RENAME invalid.
Explanation	The NEW data set name contains invalid characters.
Action	Check NEW data set name for invalid characters.

NAT5575: Dataset not renamed. CATALOG-UPDATE function failed.

Text	ESY5575 Dataset not renamed, CATALOG-UPDATE function failed.
Explanation	The new dataset name cannot be cataloged. Therefore the old dataset name is still valid, and the dataset can now be accessed only specifying the correct volume.
Action	Check with your systems programmer why the new dataset name cannot be cataloged.

NAT5576: SCRATCH returned with RC :1: and status :2:.

Text	ESY5576 SCRATCH returned with RC ... and status ....
Explanation	SCRATCH could not be performed. See the OS/390 DFSMSdfp Advanced Services Manual for a detailed explanation of the return code and status code.
Action	Check status of dataset.

NAT5577: RENAME returned with RC :1: and status :2:.

Text	ESY5577 RENAME returned with RC ... and status ....
Explanation	RENAME could not be performed. See the OS/390 DFSMSdfp Advanced Services Manual for a detailed explanation of the return code and status code.
Action	Check status of dataset.

NAT5578: RENAME fatal error; VOL :1: DSN :2:.

Text	ESY5578 RENAME fatal error; VOL ... DSN ....
Explanation	RENAME could not be performed. Check the dataset (see DSN value) on volume (see VOL value).
Action	Check with your systems programmer.

NAT5580: Binder API :1: call, rc :2:, rsn :3:.

Text	ESY5580 Binder API :1: call, rc :2:, rsn :3:.
Explanation	A call to the Binder API failed.
Action	Contact technical support.

NAT5590: End of data reached during inplace-update.

Text	ESY5590 End of data reached during inplace-update.
Explanation	It is not possible to add records with the UPDATE-INPLACE function.
Action	Do not use UPDATE-INPLACE for adding records.

NAT5591: Member not found for inplace-update.

Text	ESY5591 Member not found for inplace-update.

Action	Specify a valid MEMBER.

NAT5592: Record length error for variable inplace-update.

Text	ESY5592 Record length error for variable inplace-update.
Action	Check the source program. RECORD-LENGTH cannot be changed.

90 Natural System Error Messages 5600-5649

NAT5600: Unknown function.

Text	ESY5600 Unknown function.
Explanation	An invalid value was specified in the FUNCTION field.
Action	Specify valid FUNCTION value.

NAT5601: DSNAME missing.

Text	DSNAME missing
Explanation	Dataset Name is required, to catalog a Dataset

NAT5602: Device is invalid.

Text	ESY5602 Device is invalid.

Explanation	An invalid DEVICE value was specified.
Action	Specify valid DEVICE value.

NAT5603: INDEX / ALIAS missing.

Text	ESY5603 INDEX / ALIAS missing.
Action	Specify INDEX / ALIAS.

NAT5604: No volumes specified.

Text	ESY5604 No volumes specified.
Explanation	No VOLUMES were specified for CATLG / RECATLG.
Action	Specify VOLUMES.

NAT5605: IGWASMS returned with RC :1: and reason :2:.

Text	ESY5605 IGWASMS returned with RC ... and reason ....
Explanation	A request failed to retrieve attributes for a data set.
Action	Contact your systems programmer.

NAT5606: Managed data sets cannot be uncataloged.

Text	ESY5606 Managed data sets cannot be uncataloged.
Explanation	A request was issued to uncatalog an SMS-managed data set.
Action	Do no request to uncatalog an SMS-managed data set.

NAT5610: QNAME is missing.

Text	ESY5610 QNAME is missing.
Explanation	No value was specified in the QNAME field.
Action	Specify valid QNAME value.

NAT5611: QNAME cannot start with SYS.

Text	ESY5611 QNAME cannot start with SYS.
Explanation	Major names beginning with SYS are not allowed.
Action	Specify valid QNAME value.

NAT5612: RNAME is missing.

Text	ESY5612 RNAME is missing.

Explanation	No value was specified in the RNAME field.
Action	Specify RNAME value.

NAT5613: RNAME length is missing or invalid.

Text	ESY5613 RNAME length is missing or invalid.
Explanation	No value was specified in the RNAME-LENGTH field.
Action	Specify valid RNAME-LENGTH value.

NAT5614: Resource is in use.

Text	ESY5614 Resource is in use.
Explanation	Resource is already allocated as sharable by another task, and exclusive access was requested.
Action	Retry at a later time.

NAT5615: Resource held by another task.

Text	ESY5615 Resource held by another task.
Explanation	Resource is already allocated exclusively by another task.
Action	Retry at a later time.

NAT5616: Error in GQSCAN routine.

Text	ESY5616 Error in GQSCAN routine.
Explanation	An internal error occurred as a result of the GQSCAN macro request.
Action	Notify systems programmer and contact technical support.

NAT5621: Identifier missing/duplicate/not found.

Text	ESY5621 Identifier missing/duplicate/not found.
Explanation	The identifier associated with the area was missing/duplicate/not found.
Action	Specify correct identifier.

NAT5622: NUMBER-OF-ENTRIES missing or invalid.

Text	ESY5622 NUMBER-OF-ENTRIES missing or invalid.
Explanation	The specification of the maximum number of entries was missing/invalid.
Action	Specify a valid "NUMBER-OF-ENTRIES" value.

NAT5623: ENTRY-LENGTH missing or invalid.

Text	ESY5623 ENTRY-LENGTH missing or invalid.

Explanation	The specification of the entry length was missing/invalid.
Action	Specify a valid "ENTRY-LENGTH" value.

NAT5624: ENTRY-NUMBER missing or invalid.

Text	ESY5624 ENTRY-NUMBER missing or invalid.
Explanation	The specification of the entry number was missing/invalid.
Action	Specify correct entry number.

NAT5625: Cannot allocate area.

Text	ESY5625 Cannot allocate area.
Explanation	Insufficient storage was available to allocate the area.
Action	Decrease amount of requested storage or notify systems programmer.

NAT5626: DATA missing.

Text	ESY5626 DATA missing.
Explanation	No data was specified.
Action	Specify the DATA field.

NAT5627: Field position + length > 250.

Text	ESY5627 Field position + length > 250.
Explanation	The field extends the maximum area length (250).
Action	Specify valid field position/length.

NAT5628: Error in editor.

Text	ESY5628 Error in editor.
Explanation	An internal editor error occurred.
Action	Notify system programmer.

NAT5629: Area is protected.

Text	ESY5629 Area is protected.
Explanation	Area is protected.
Action	No action required.

NAT5630: Console not defined or not active.

Text	ESY5630 Console not defined or not active.

Explanation	The specified console ID was not found.
Action	Specify valid console ID.

NAT5631: Console table not found.

Text	ESY5631 Console table not found
Explanation	Console table could not be found
Action	Contact your systems programmer.

NAT5632: General or Control object not found.

Text	ESY5632 General or Control object not found
Explanation	General or Control object returned by Multi Console Support (MCS) could not be found.
Action	Contact your systems programmer.

NAT5633: Cannot lock Console table.

Text	ESY5633 Cannot lock Console table
Explanation	Console table could not be locked for exclusive use.
Action	Retry operation. If problem persists, please contact your systems programmer.

NAT5634: Invalid record number.

Text	ESY5634 Invalid record number.
Explanation	Requested record number is invalid.
Action	Retry operation. If problem persists, please contact your systems programmer.

NAT5635: Attempt to alter key in KSDS file.

Text	ESY5635 Attempt to alter key in KSDS file.
Explanation	It is not allowed to alter keys in KSDS files.
Action	Check program and correct error.

NAT5636: Too many active requests on this ACB.

Text	ESY5636 Too many active requests on this ACB.
Explanation	There may be a nested loop while accessing VSAM files or there are too many parallel requests open.
Action	Check your program and check also with your NPR-DBA.

NAT5637: VSAM subtask is not active.

Text	ESY5637 VSAM subtask is not active.

Explanation	The NPR subtask for VSAM access may have abended. Check with your NPR-DBA to restart NPR.
Action	Contact your NPR-DBA or contact technical support.

NAT5638: Key not found.

Text	ESY5638 Key not found.
Explanation	Key to access the requested record in your file not found.
Action	Check program and correct error.

NAT5639: Cannot delete record in ESDS file.

Text	ESY5639 Cannot delete record in ESDS file.
Explanation	It is not allowed to delete records from ESDS-files.
Action	Check program and correct error.

NAT5640: Error generating VSAM control blocks.

Text	ESY5640 Error generating VSAM control blocks.
Explanation	An error occurred generating VSAM control blocks.
Action	Notify systems programmer.

NAT5641: Error :1: while opening SMF or VSAM file.

Text	ESY5641 Error ... while opening SMF or VSAM file.
Explanation	A VSAM error occurred while opening an SMF file.
Action	Notify systems programmer.

NAT5642: Error :1: while reading SMF or VSAM file.

Text	ESY5642 Error ... while reading SMF or VSAM file.
Explanation	A VSAM error occurred while reading an SMF file.
Action	Notify systems programmer.

NAT5643: SMF not active / not recording.

Text	ESY5643 SMF not active / not recording.
Explanation	At time of the request SMF is not active / not recording.
Action	Notify systems programmer.

NAT5644: :1:.

Text	ESY5644 xxxxxxxx error in POWER interface aabb.

Explanation	Error aabb returned by POWER interface function xxxxxxxx.
Action	Contact systems programmer.

NAT5645: Invalid RBA was specified.

Text	ESY5645 Invalid RBA was specified.
Explanation	The requested RBA was not found.
Action	Specify valid RBA value.

NAT5646: Write to VSAM only allowed on base cluster.

Text	ESY5646 Write to VSAM only allowed on base cluster.
Explanation	An attempt was made to write to a none base cluster.
Action	Check program and correct error.

NAT5647: VSAM cluster is not defined as reusable.

Text	ESY5647 VSAM cluster is not defined as reusable.
Explanation	Access to VSAM cluster only allowed if reusable.
Action	Define your VSAM cluster reusable.

NAT5648: Record not in ascending key sequence.

Text	ESY5648 Record not in ascending key sequence.
Explanation	An attempt was made to write a record with a wrong key.
Action	Check program and correct error.

NAT5649: NPR user not found or cannot be cancelled.

Text	ESY5649 NPR user not found or cannot be cancelled.
Explanation	The NPR user could not be found for various functions.
Action	Correct input data.

91 Natural System Error Messages 5650-5699

NAT5650: Invalid sequential file.

Text	ESY5650 Invalid sequential file.
Explanation	The requested sequential file does not exist.
Action	Check file name, and re-run program.

NAT5651: Requested catalog does not exist.

Text	ESY5651 Requested catalog does not exist.
Explanation	The requested CVOL does not exist.
Action	Specify valid CVOL.

NAT5652: Catalog structure inconsistent.

Text	ESY5652 Catalog structure inconsistent.
Explanation	The catalog structure is inconsistent.
Action	Notify the systems programmer.

NAT5653: Cannot delete index.

Text	ESY5653 Cannot delete index.
Explanation	The index cannot be deleted.
Action	No action is required.

NAT5654: Index structure does not exist.

Text	ESY5654 Index structure does not exist.
Action	No action is required.

NAT5655: Insufficient space on catalog data set.

Text	ESY5655 Insufficient space on catalog data set.
Explanation	The catalog data set is full.

Action	Notify the systems programmer.

NAT5656: Error cataloging generation data set.

Text	ESY5656 Error cataloging generation data set.
Explanation	An error occurred while cataloging a generation data set.
Action	Check specified values; if valid, contact the systems programmer.

NAT5657: I/O error on catalog.

Text	ESY5657 I/O error on catalog.
Explanation	An I/O error occurred while accessing the catalog.
Action	This is probably a hardware error. Contact the systems programmer.

NAT5658: Data set is not catalogued.

Text	ESY5658 Data set is not catalogued.
Explanation	The specified data set is not catalogued.
Action	No action is required.

NAT5659: Data set is already catalogued.

Text	ESY5659 Data set is already catalogued.
Explanation	The specified data set is already catalogued.
Action	No action is required.

NAT5660: :1: - :2: module not available.

Text	ESY5660 ... - ... module not available.
Explanation	The specified Natural module was not found.
Action	Specify the name of an existing Natural module.

NAT5661: :1: - Natural sub-task already active.

Text	ESY5661 ... - Natural sub-task already active.
Explanation	A Natural subtask is already active for this user.
Action	Make sure that subtask is closed prior restarting it.

NAT5662: :1: - Natural sub-task not allowed.

Text	ESY5662 ... - Natural sub-task not allowed.

Explanation	The Natural subtask system has not been initialized.
Action	Notify systems programmer.

NAT5663: :1: - Natural sub-task not active.

Text	ESY5663 ... - Natural sub-task not active.
Explanation	The Natural subtask does not exist.
Action	No action is required.

NAT5664: :1: - Natural sub-task table full.

Text	ESY5664 ... - Natural sub-task table full.
Explanation	The maximum number of Natural subtasks is reached.
Action	Notify systems programmer.

NAT5665: :1: - invalid action requested.

Text	ESY5665 ... - invalid action requested.
Explanation	An invalid action was requested.
Action	Specify valid action.

NAT5666: :1: - Natural sub-task must have parameters.

Text	ESY5666 ... - Natural sub-task must have parameters.
Explanation	An attempt was made to start a Natural subtask without parameters.
Action	Specify parameter for Natural subtask.

NAT5669: :1:.

Text	ESY5669 :1:.
Explanation	An error occurred during a SPOOL-UPDATE request. The error message text generally is a POWER error message returned by the internally generated PALTER command.
Action	Check operands for validity and consistency and resubmit.

NAT5670: View not supported.

Text	ESY5670 View not supported.
Explanation	This view is not supported on the local operating system.

NAT5671: Class missing or is invalid.

Text	ESY5671 Class missing or is invalid.
Explanation	The function CHANGE requires a valid NEW-CLASS, NEW-DESTINATION or NEW-USERID value.

NAT5672: Segment option requires JOBNAME/JOBNUMBER.

Text	ESY5672 Segment option requires JOBNAME/JOBNUMBER.
Explanation	Specifying the SEGMENT option (SEGMENT-NUMBER>0) requires that the job is identified with JOB-NAME and JOB-NUMBER.

NAT5673: Access error due to FILETABLE=STATIC.

Text	ESY5673 Access error due to FILETABLE=STATIC.
Explanation	The requested file could not be accessed because the Entire System Server startup parameter FILETABLE was specified as STATIC. Only those files available at NPR initialization time (STD,PARSTD & TEMP labels) can therefore be accessed.
Action	To allow dynamic access of files NOT specified at NPR initialization time, change the FILETABLE parameter to DYNAMIC and restart Entire System Server.

NAT5674: VTOC error reading format-3 labels.

Text	ESY5674 VTOC error reading format-3 labels.
Explanation	VTOC error reading format-3 labels for the requested file.
Action	Information message only. No action necessary or possible.

NAT5675: :1: not supported.

Text	ESY5675 ... not supported.
Explanation	Entire System Server has detected that the requested file has attributes which are not supported by this version of Entire System Server, e.g. multi-volume files, multi-extent output files etc.

NAT5676: Not first volume of a multi volume file.

Text	ESY5676 Not first volume of a multi-volume file.
Explanation	Entire System Server has detected that the file on the specified volume is NOT the first volume/extent of a multi-volume file.

NAT5677: FAMS ERROR, R15=XXXXXXXX, R0=XXXXXXXX

Explanation	A FAMS error occurred while COPY-FILE was copying one or more program objects.
Action	Check the console log for IGW prefixed messages issued by FAMS for further information

NAT5678: Member already exists.

Text	ESY5678 Member already exists.
Explanation	In WRITE-FILE or COPY-FILE, REPLACE = "NO" was specified, however the member exists.
Action	No action required.

NAT5679: Input and output files are incompatible.

Text	ESY5679 Input and output files are incompatible.
Explanation	COPY-FILE has determined that the record formats of the input and output files are not compatible (RECFM does not match, block size incompatibilities, etc.).
Action	Verify data set attributes and reissue request with correct parameters.

NAT5680: Job/output is protected.

Text	ESY5680 Job/output is protected.
Explanation	The user is not authorized to access the specified job/output.
Action	Notify systems programmer.

NAT5681: Job/output is active.

Text	ESY5681 Job/output is active.
Explanation	The specified job/output is currently active.
Action	There is no action required.

NAT5682: Job/output is not dispatchable.

Text	ESY5682 Job/output is not dispatchable.
Explanation	The job/output is not dispatchable.
Action	There is no action required.

NAT5683: FAMS error, R15=:1:, R0=:2:.

Text	ESY5683 FAMS error, R15=..., R0=....
Explanation	A FAMS error occurred while COPY-FILE was copying one or more program objects.
Action	Check the console log for IGW prefixed messages issued by FAMS for further information.

NAT5684: Remote program object copy currently unsupported.

Text	ESY5684 Remote program object copy currently unsupported.
Explanation	In this release of Entire System Server, use of COPY-FILE on OS/390 for copying program objects between different nodes is not supported. This message is also issued if a program object copy request is issued to a VSE/ESA node.
Action	A workaround is to first copy the program object to a PDS on the local node, then copy to a PDS on the remote node, then copy to the target PDSE.

NAT5685: Unload data not processed, I/O exit not active.

Text	Unload data not processed, I/O exit not active.
Explanation	PDSE unload data could not be processed because the FAMS I/O exit was not active. The ERROR-NODE and ERROR-VIEW fields will show which node and which view encountered the error. More information like FAMS error messages (IGWO1nnnt) may be found in the job log.
Action	Contact technical support.

NAT5687: Bad variable record.

Text	ESY5687 Bad variable record.
Explanation	Bad variable record.
Action	No action is required.

NAT5688: Return code :1: HCF function :2:.

Text	ESY5688 Return code ... HCF function ....
Explanation	The HCF function failed. The return code is the HCF return code.
Action	Notify systems programmer.

NAT5690: :1: error :2: during :3:.

Text	ESY5690 ... error ... during ....
Explanation	An error occurred accessing PANVALET or LIBRARIAN data.
Action	Notify systems programmer.

NAT5691: Error while accessing librarian member.

Text	ESY5691 Error while accessing librarian member.
Explanation	An error occurred accessing a LIBRARIAN member.
Action	There is no action required.

NAT5692: You are not permitted to access member.

Text	ESY5692 You are not permitted to access member.
Explanation	This user is not authorized to access the specified member.
Action	Check with systems programmer.

NAT5693: :1:.

Text	ESY5693 ....

Explanation	A PANVALET error occurred.
Action	See message text.

NAT5694: Strange error opening VTOC.

Text	ESY5694 Strange error opening VTOC.
Explanation	A strange internal error occurred reading the VTOC.
Action	Notify systems programmer.

NAT5695: VTOC is in use.

Text	ESY5695 VTOC is in use.
Explanation	The VTOC is currently in use.
Action	Retry.

NAT5696: Cannot assign logical unit.

Text	ESY5696 Cannot assign logical unit.
Explanation	A logical unit could not be assigned.
Action	Notify systems programmer.

NAT5697: Library/sublibrary not found.

Text	ESY5697 Library/sublibrary not found.
Explanation	The specified library/sublibrary was not found.
Action	Specify valid library/sublibrary name.

NAT5698: Internal LIBRARIAN error has occurred.

Text	ESY5698 Internal LIBRARIAN error has occurred.
Explanation	An internal LIBRARIAN error occurred.
Action	Notify systems programmer.

NAT5699: Not enough main storage available.

Text	ESY5699 Not enough main storage available.
Explanation	Not enough main storage was available to process the request.
Action	Notify systems programmer.

92 Natural System Error Messages 5700-5749

NAT5700: Invalid value specified (DSORG / RECFM / TYPE).

Text	ESY5700 Invalid value specified (DSORG / RECFM / TYPE).
Explanation	An invalid value was specified for view FILE-ALLOCATE. Note: A more detailed message is returned when field ERROR-TEXT is specified.
Action	Specify valid value for DSORG / RECFM / TYPE.

NAT5701: DSNAME missing.

Text	ESY5701 DSNAME missing.
Explanation	The DSNAME was missing.
Action	Specify a valid DSNAME.

NAT5702: OUTADD error-code :1: reason-code :2: key :3:.

Text	ESY5702 OUTADD error-code ... reason-code ... key ....

NAT5703: Copying of empty files not permitted.

Text	ESY5703 Copying of empty files not permitted.

NAT5710: Allocation failed with code :1:.

Text	ESY5710 Allocation failed with code ....
Explanation	The allocation failed. The code is the DYNALLOC return code. Note: A more detailed message is returned when field ERROR-TEXT is specified.
Action	Check the DYNALLOC return code.

NAT5711: Logical Error occurred in Common JES Interface.

Text	ESY5711 Logical Error occurred in Common JES Interface.
Explanation	A logical error has occurred in the Common JES Interface. Additional messages describing the type of error may have been issued to the console.
Action	Check the system log for additional messages. Contact technical support.

NAT5712: Request to Common JES Interface failed.

Text	ESY5712 Request to Common JES Interface failed.
Explanation	A request failed to access spool data.
Action	Contact technical support.

NAT5713: Jobname and Job ID missing. One of them required.

Text	ESY5713 Jobname and Job ID missing. One of them required.
Explanation	Neither JOB-NAME nor JOB-ID / JOB-NUMBER have been specified. At least one of them is required to process the request.
Action	Specify JOB-NAME, JOB-ID or JOB-NUMBER with the request.

NAT5714: Unable to read :1: type SYSOUT data sets.

Text	ESY5714 Unable to read ... type SYSOUT datasets.
Explanation	The specified spool file TYPE is invalid or can not be processed.
Action	Specify a valid spool file type (CC, JL, SI, SM or SO).

NAT5715: Duplicate job names found. Please specify job ID.

Text	ESY5715 Duplicate job names found. Please specify job ID.

Explanation	Multiple jobs were found for the specified job name.
Action	Additionally specify job ID / job number.

NAT5717: GENCB for ACB or RPL failed with RC:1:and RSN:2:

Text	ESY5717 GENCB for ACB or RPL failed with RC ... and RSN ....
Explanation	An ACB or RPL could not be generated to access a SYSOUT data set.
Action	Check with the systems programmer. Contact technical support.

NAT5719: Unable to :1: SYSOUT dataset.

Text	ESY5719 Unable to ... SYSOUT dataset.
Explanation	An error occured during open or close of a SYSOUT data set.
Action	Check with the systems programmer. Contact technical support.

NAT5720: Invalid TYPE.

Text	ESY5720 Invalid TYPE.
Explanation	An invalid TYPE was given in the READ-SPOOL view.
Action	Check source program. Valid values for TYPE are: in MVS: JL, SI, SO, SM and CC. in VSE: LS, PU, RD, XM, CC.

NAT5721: Job found, but not for specified spool ID.

Text	ESY5721 Job found, but not for specified spool ID.
Explanation	The job was found on a different spool than the one specified.
Action	No action is required.

NAT5722: Requested data set not found.

Text	ESY5722 Requested data set not found.
Explanation	The requested data set could not be found.
Action	No action is required.

NAT5723: Job not in output service.

Text	ESY5723 Job not in output service.
Explanation	The requested job is not in output service.
Action	No action is required.

NAT5724: Requested job not found.

Text	ESY5724 Requested Job not found.

Explanation	The requested job could not be found on the JES spool.
Action	No action is required.

NAT5725: I/O error on JES3 spool.

Text	ESY5725 I/O error on JES3 spool.
Explanation	A READ request to the JES spool failed.
Action	Retry. If the error persists, this is probably a hardware error.

NAT5726: Logical error on JES3 spool.

Text	ESY5726 Logical error on JES3 spool.
Explanation	A logical error occurred while reading the JES3 spool data set.
Action	Notify systems programmer. Contact technical support as well.

NAT5727: Spanned record is too large.

Text	ESY5727 Spanned record is too large.
Explanation	A spanned record is too large.
Action	No action is required.

NAT5728: You are not allowed to see this job.

Text	ESY5728 You are not allowed to see this job.
Explanation	The user attempted to access a job for which he has not been authorized. This error is issued by the security system with which Entire System Server interfaces.
Action	No action is required.

NAT5729: Invalid job TYPE, specify JOB, STC or TSU.

Text	ESY5729 Invalid job TYPE, specify JOB, STC or TSU.
Explanation	The specified job TYPE is invalid.
Action	Specify a valid job type (JOB, STC, or TSU).

NAT5730: Unknown error during spool open.

Text	ESY5730 Unknown error during spool open.
Explanation	An unknown error occurred during spool open.
Action	Notify the systems programmer and technical support.

NAT5731: Error occurred during spool GET.

Text	ESY5731 Error occurred during spool GET.

Explanation	An error occurred during spool GET.
Action	Notify the systems programmer and technical support.

NAT5732: ACCOUNT-NUMBER missing.

Text	ESY5732 ACCOUNT-NUMBER missing.
Explanation	ACCOUNT-NUMBER was not supplied.
Action	Check program and correct error.

NAT5733: User ID does not exist.

Text	ESY5733 No JOIN entry found for user.
Explanation	The user is not defined in the system.
Action	No action is required.

NAT5734: ARCHIVE run with errors.

Text	ESY5734 ARCHIVE run with errors.
Explanation	An error occurred during ARCHIVE execution.
Action	Check with systems programmer.

NAT5735: Logical error using I-T-C.

Text	ESY5735 Logical error using I-T-C.
Explanation	The inter-task-communication was not used correctly.
Action	No action is required.

NAT5736: MESSAGE-ID missing.

Text	ESY5736 MESSAGE-ID missing.
Explanation	No MESSAGE-ID value supplied.
Action	Specify a MESSAGE-ID.

NAT5737: No more index space for inserting record.

Text	ESY5737 No more index space for inserting record.
Explanation	The number of records exceeds the available index range.
Action	No action required.

NAT5738: Error when using memory-pools.

Text	ESY5738 Error when using memory-pools.

Explanation	Incorrect use of the MAIN-STORAGE view.
Action	No action is required.

NAT5739: Error when using JOB-VARIABLES.

Text	ESY5739 Error when using JOB-VARIABLES.
Explanation	Incorrect use of JOB-VARIABLES view. More details are available in SYSTEM-MESSAGE-CODE.
Action	Please analyze the SYSTEM-MESSAGE-CODE.

NAT5740: Error when using BTAM file.

Text	ESY5740 Error when using BTAM file.
Explanation	An error occurred while allocating a file.
Action	No action is required.

NAT5741: Error when using SAM file.

Text	ESY5741 Error when using SAM file.
Explanation	An error occurred while allocating a file.
Action	No action is required.

NAT5742: Error when using PAM file.

Text	ESY5742 Error when using PAM file.
Explanation	An error occurred while allocating a file.
Action	No action is required.

NAT5743: Error when using ISAM file.

Text	ESY5743 Error when using ISAM file.
Explanation	An error occurred while allocating a file.
Action	No action is required.

NAT5744: Invalid Eventing name given.

Text	ESY5744 Invalid eventing name given.
Explanation	An invalid eventing name was specified for P1-Eventing. No action is required.

NAT5745: Error occurred when executing Eventing.

Text	ESY5745 Error occurred when executing Eventing.
Explanation	Logical error using P1-Eventing.

Action	No action is required.

NAT5746: Serialisation running in error.

Text	ESY5746 Serialisation running in error.
Explanation	A serialization request has failed. Detailed information available in SYSTEM-MESSAGE-CODE.
Action	Repeat the request later.

NAT5747: LENGTH or SUBSTRING-LENGTH invalid.

Text	ESY5747 LENGTH or SUBSTRING-LENGTH invalid.
Explanation	Invalid value specification for view JOB-VARIABLES. Possible reasons: - position greater than length of JV - substring length greater than JV length minus position - position greater than JV length
Action	Correct values and try again.

NAT5748: Internal LMS error has occured.

Text	ESY5748 Internal LMS error has occurred.
Explanation	An internal LMS error has been returned from LMS subprogram interface. Check SYSTEM-MESSAGE-CODE for details.

Action	Please check SYSTEM-MESSAGE-CODE.

NAT5749: PVS (CATID) not available.

Text	ESY5749 PVS (CATID) not available.
Explanation	The requested CATID is not available for the User ID of caller.
Action	No action possible.

93 Natural System Error Messages 5750-5799

NAT5750: Invalid operand within operand list.

Text	ESY5750 Invalid operand within operand list.
Explanation	Incorrect usage of an Entire System Server view.
Action	No action is required.

NAT5751: Not enough memory to execute the function.

Text	ESY5751 Not enough memory to execute the function.
Explanation	There is not enough memory to execute the function.
Action	Check with systems programmer.

NAT5752: Message/Message length missing.

Text	ESY5752 Message/Message length missing.
Explanation	Possible reasons: - no message length specified - message length lower than 4 - message length greater than 1250 during use of field MESSAGE-ARRAY - message length greater than 250 during use of field MESSAGE-TEXT - no message specified
Action	Correct input values and try again.

NAT5753: I-T-C name missing.

Text	ESY5753 I-T-C name missing.
Explanation	ITC name must be specified for functions OPEN, RECEIVE and SEND.
Action	Specify ITC name.

NAT5754: not done.

Text	ESY5754 not done.

NAT5755: Invalid or no SWITCH type specified.

Text	ESY5755 Invalid or no SWITCH type specified.

Explanation	Neither USER nor PROCESS as switch type specified.
Action	Correct switch type.

NAT5756: Job Variable name missing or invalid.

Text	ESY5756 Job Variable name missing or invalid.
Explanation	Invalid syntax used or no value specified.
Action	Please correct name specification.

NAT5757: Error during user management.

Text	ESY5757 Error during user management.

NAT5758: User ID is missing.

Text	ESY5758 User ID is missing.
Explanation	No user name specified.
Action	Please specify name.

NAT5759: Name is missing.

Text	ESY5759 Name is missing.

NAT5760: Processor name is missing.

Text	ESY5760 Processor name is missing.

NAT5761: Start operand is missing.

Text	ESY5761 Start operand is missing.

NAT5762: Line/Station is missing.

Text	ESY5762 Line/Station is missing.

NAT5763: Info type operand is missing.

Text	ESY5763 Info type operand is missing.

NAT5764: Virtual call is missing.

Text	ESY5764 Virtual call is missing.

NAT5765: Required Catalog ID not accessible.

Text	ESY5765 Required Catalog ID not accessible.

NAT5766: User ID or Terminal ID missing.

Text	ESY5766 User ID or Terminal ID missing.

Explanation	Neither User ID nor processor-/terminal-name specified.
Action	Please specify requested values.

NAT5767: No TSN found.

Text	ESY5767 No TSN found.

NAT5768: Invalid command in macro list.

Text	ESY5768 Invalid command in macro list.

NAT5769: Short name is missing.

Text	ESY5769 Short name is missing.

NAT5770: Serialisation name missing.

Text	ESY5770 Serialisation name missing.

NAT5771: No information found.

Text	ESY5771 No information found.
Explanation	No information found for specified request.
Action	No action required.

NAT5772: BS2000 Command has returned error.

Text	ESY5772 BS2000 Command has returned error.

NAT5773: New version operand missing.

Text	ESY5773 New version operand missing.

NAT5774: No core available.

Text	ESY5774 No core available.
Explanation	Not enough space available to allocate an NPR User Block.
Action	Please contact technical support. For BS2000 only: The number of NPR User Blocks can be configured with startup parameter NUMUSER.

NAT5775: Invalid Priority Value specified.

Text	ESY5775 Invalid Priority Value specified.

NAT5776: Request was cancelled.

Text	ESY5776 Request was cancelled.
Explanation	Request was cancelled internally because user has been timed out.

NAT5777: Request has abended.

Text	ESY5777 Request has abended.
Explanation	An internal error occurred. Condensed abend information is contained in the job-log.
Action	Check with the systems programmer. Contact technical support.

NAT5778: Cannot perform command - not APF authorized.

Text	ESY5778 Cannot perform command - not APF authorized.
Explanation	The Entire System Server nucleus is not running APF authorized.
Action	Check with the systems programmer.

NAT5779: IDCAMS utility has abended.

Text	ESY5779 IDCAMS utility has abended.
Explanation	The IDCAMS utility has abended.
Action	Check job-log for additional information.

NAT5780: Completion code not ok.

Text	ESY5780 Completion code not ok.

Explanation	The execution of the request was not successful.
Action	Check input data of request.

NAT5781: Unable to obtain storage for work area extension.

Text	ESY5781 Unable to obtain storage for work area extension.
Explanation	A request failed to obtain storage for the work area extension.
Action	Increase the region size above 16 MB for Entire System Server.

NAT5782: Error from :1: for :2:, RC :3:, REASON :4:.

Text	ESY5782 Error from ... for ..., RC ..., REASON ....
Explanation	A request failed while attempting to read the VTOC.
Action	Contact your systems programmer.

NAT5783: Unable to allocate :1:, RC :2:, REASON :3:.

Text	ESY5783 Unable to allocate ..., RC ..., REASON ....
Explanation	The specified volume could not be allocated.
Action	Contact your systems programmer.

NAT5784: Unable to open VTOC on :1:, RC :2:.

Text	ESY5784 Unable to open VTOC on ..., RC ....
Explanation	An OPEN request failed for the VTOC on the specified volume.
Action	Try again. If the problem persists, contact your systems programmer.

NAT5785: CVAF :1: failed with RC :2: and CVSTAT :3:.

Text	ESY5785 CVAF ... failed with RC ... and CVSTAT ....
Explanation	A request failed to the Common VTOC Access Facility.
Action	Contact your systems programmer.

NAT5786: Unable to obtain storage for CSI work area.

Text	ESY5786 Unable to obtain storage for CSI work area.
Explanation	A request failed to obtain storage for the CSI work area.
Action	Increase the region size above 16 MB for Entire System Server.

NAT5787: CSI request failed, Module :1:, Reason :2:, RC :3:.

Text	ESY5787 CSI request failed, Module ..., Reason ..., RC ....

Explanation	A request to the catalog search interface failed.
Action	Contact your systems programmer.

NAT5788: Unable to substitute symbol :1:, RC :2:.

Text	ESY5788 Unable to substitute symbol ..., RC ....
Explanation	A request failed to substitute text for a system symbol.
Action	Contact your systems programmer.

NAT5789: Unable to get UCB copy for :1:, RC :2:.

Text	ESY5789 Unable to get UCB copy for ..., RC ....
Explanation	A request failed to get a UCB copy for the volume specified.
Action	Contact your systems programmer.

NAT5790: Abend :1: during IEBCOPY.

Text	ESY5790 Abend :1: during IEBCOPY.
Explanation	An abend has occurred while processing the IEBCOPY utility.
Action	Contact your systems programmer.

NAT5798: Task was not started under TSOS.

Text	Task was not started under TSOS.
Explanation	The ENTIRE SYSTEM SERVER does not run under TSOS and does not have the required privileges to process the user requests.
Action	Check the job control and make sure that all tasks of the ENTIRE SYSTEM SERVER run under TSOS. Do a restart after changing the job control.

NAT5799: ENTIRE SYSTEM SERVER internal error.

Text	ESY5799 Entire System Server internal error.
Explanation	An internal error has occured.
Action	Contact your technical support.

94 Natural System Error Messages 5800-5849

NAT5800: Specified level is a data set name.

Text	ESY5800 Specified level is a data set name.
Explanation	The specified level name is a data set name.
Action	No action is required.

NAT5801: Job not found.

Text	ESY5801 Job not found.
Explanation	The requested job was not found.
Action	No action is required.

NAT5802: GETMAIN for CSA area failed.

Text	ESY5802 GETMAIN for CSA area failed.
Explanation	An attempt was made to access main storage, and GETMAIN for the CSA area failed.
Action	Notify the systems programmer.

NAT5803: Cannot access data.

Text	ESY5803 Cannot access data.
Explanation	An attempt was made to access main storage, and the data specified cannot be accessed.
Action	No action is required.

NAT5804: Request to access data has timed out.

Text	ESY5804 Request to access data has timed out.
Explanation	Main storage was accessed, and SRB was scheduled to run in an address space. SRB must be completed within 10 seconds.
Action	No action is required.

NAT5805: Invalid TCB address.

Text	ESY5805 Invalid TCB address.
Explanation	An invalid TCB-ADDRESS was specified.
Action	Specify valid TCB-ADDRESS.

NAT5806: Permanent I/O error on catalog.

Text	ESY5806 Permanent I/O error on catalog.
Explanation	A permanent I/O error occurred while accessing the catalog.
Action	This may be a hardware error. Contact data center personell.

NAT5807: Invalid track address.

Text	ESY5807 Invalid track address.
Explanation	An invalid track address was specified.
Action	Specify valid track address.

NAT5808: SRB failed RC :1: CMP :2: RET :3: RSN :4:

Text	SRB failed RC :1: CMP :2: RET :3: RSN :4:

Explanation	A request failed to schedule an SRB. The return, completion and reason codes provide more information about the type of the failure.
Action	Contact technical support.

NAT5809: Subsystem not active.

Text	ESY5809 Subsystem not active.
Explanation	The related subsystem has not been started properly. Therefore, the requested function is not available in this run of ESY. The following views return this error code on BS2000: - views SPOOL-QUEUE, SPOOL-FILES, WRITE-SPOOL if SPOOL=NONE is defined; - views SEND-MESSAGE, CONSOLE if CONSOLE task is not running; - views CONSOLE, EVENTING if EVENTING task is not running.
Action	Contact your administrator to get the subsystem started for the next NPR run.

NAT5810: Error detected in catalog, processing terminated.

Text	ESY5810 Error detected in catalog, processing terminated.
Explanation	An error in the catalog structure was detected.
Action	Notify the systems programmer.

NAT5811: Specified level is an empty index.

Text	ESY5811 Specified level is an empty index.

Explanation	The level specified is an empty index.
Action	No action is required.

NAT5820: Unknown command.

Text	ESY5820 Unknown command.
Explanation	A command which is not known to Entire System Server was entered.
Action	Check the spelling and the syntax of the command. Check to see whether the command is a Natural command.

NAT5821: Job no longer active.

Text	ESY5821 Job no longer active.
Explanation	An attempt was made to access a job which is no longer active.
Action	No action required.

NAT5822: Logical error on JES3 spool.

Text	ESY5822 Logical error on JES3 spool.
Explanation	A logical error occurred while reading the JES3 spool data set.
Action	Try again. If error persists, it may indicate a bad control block on the JES3 spool (which may be caused by a hardware error).

NAT5823: Requested job in input queue.

Text	ESY5823 Requested job in input queue.
Explanation	An attempt was made to access output data of a job which is in the input queue.
Action	Wait until job is processed.

NAT5824: I/O error on JES3 spool.

Text	ESY5824 I/O error on JES3 spool.
Explanation	A READ operation to JES3 spool failed to complete normally.
Action	Probably a hardware failure. A JES3 warmstart (with analysis) should be considered.

NAT5825: JES3 command data set is full.

Text	ESY5825 JES3 command data set is full.
Explanation	A WRITE operation to the JES3 command data set failed because the data set is full.
Action	Wait until space becomes available.

NAT5826: I/O error on JES3 command data set failed.

Text	ESY5826 I/O error on JES3 command data set.
Explanation	A WRITE attempt to the JES3 command data set failed.
Action	This is probably a hardware error. If error persists, it may be advisable to relocate the JES3 command data set.

NAT5830: JES interface is not active.

Text	ESY5830 JES interface is not active.
Explanation	The JES interface is not active.
Action	Check the JES parameter in the Entire System Server parameter file.

NAT5831: Error during queue initialization.

Text	ESY5831 Error during queue initialization.
Explanation	An error occurred while reading JES control blocks.
Action	This is probably a hardware error. Contact data center personell.

NAT5832: Error during queue open.

Text	ESY5832 Error during queue open.

Explanation	An error occurred during open of JES spool data set.
Action	Check with the systems programmer.

NAT5833: You are not allowed to alter this job.

Text	ESY5833 You are not allowed to alter this job.
Explanation	An attempt was made to alter a job. The user is not authorized to alter the specified job. This error message is issued by the security system with which Entire System Server interfaces.
Action	No action is required.

NAT5834: Command failed, MGCRE RC = :1:.

Text	ESY5834 Command failed, MGCRE RC = ...
Explanation	A request failed to issue an internal JES or system command.
Action	Check with the systems programmer. Contact technical support.

NAT5840: VTAM operator ACB is not open.

Text	ESY5840 VTAM operator ACB is not open.
Explanation	The VTAM operator ACB was not opened successfully during initialization.
Action	Either active VTAM support has not been requested by the system parameters, or an open error occurred during initialization. The job-log contains further information.

NAT5841: Error in SENDCMD - RTNCD=:1: FDBK2=:2:.

Text	ESY5841 Error in SENDCMD - RTNCD=... FDBK2=....
Explanation	A VTAM error occurred while sending a command. Note: A more detailed message is returned when field ERROR-TEXT is specified.
Action	Check the command requested. The RTNCD and FDBK2 values are defined in the appropriate VTAM documentation.

NAT5842: Invalid VTAM command.

Text	ESY5842 Invalid VTAM command.
Explanation	An invalid VTAM command was requested.
Action	No action is required.

NAT5843: Printer is not available.

NAT5844: Buffer is waiting to be printed.

NAT5845: Printer is active for user :1:.

Text	ESY5845 Printer is active for user ....
Explanation	Another user is working with the printer.
Action	Wait until printer is not busy anymore.

NAT5846: Use function STATUS to get results.

NAT5847: Print mode ASIS error.

NAT5849: Print failed. Fct=:1: FD=:2: S=:3:.

Text	ESY5849 Print failed. Fct=... FD=... S=....
Explanation	The print request failed. For further details check the variable data of FUNCTION, FEEDBACK and STATUS. You may find the explanation of these fields in the VTAM documentation.
Action	Please contact your systems programmer.

95 Natural System Error Messages 5850-5899

NAT5850: Error :1: when processing VTOC.

NAT5851: File not on volume.

Text	ESY5851 File not on volume.
Explanation	The requested file does not exist on the specified volume.
Action	No action is required.

NAT5852: No password supplied / VSAM data space.

Text	ESY5852 No password supplied / VSAM data space.
Explanation	No password was specified before attempting to access a password protected VSAM file.
Action	Specify a password.

NAT5853: Retention cycle unexpired / NEWNAME exists.

Text	ESY5853 Retention cycle unexpired / NEWNAME exists.
Explanation	A VTOC-UPDATE RENAME function was attempted; however, the retention cycle is unexpired, and the NEWNAME still exists.
Action	Specify a different NEWNAME, or wait until the retention cycle has expired.

NAT5854: Permanent I/O error.

Text	ESY5854 Permanent I/O error.
Explanation	A permanent I/O error was detected.
Action	This is probably a hardware error. Contact data center personell.

NAT5855: Volume not mounted.

Text	ESY5855 Volume not mounted.
Explanation	The requested volume was not mounted.
Action	Make sure that the volume is mounted before re-issuing the request.

NAT5856: Operator unable to mount volume.

Text	ESY5856 Operator unable to mount volume.

Explanation	The operator is not able to mount the volume.
Action	No action is required.

NAT5857: File in use.

Text	ESY5857 File in use.
Explanation	The file is in use.
Action	Retry later.

NAT5858: Not authorized.

Text	ESY5858 Not authorized.
Explanation	A security violation was detected.
Action	No action is required.

NAT5859: File definition not deleted by RACF.

Text	ESY5859 File definition not deleted by RACF.
Explanation	The file definition has not been deleted by RACF.
Action	Execute RACF file deletion.

NAT5860: Member under MSHP control or changed with MSHP bypass.

Text	ESY5860 Member under MSHP control or changed with MSHP bypass.
Explanation	Member to be overwritten is under MSHP control or was changed with MSHP bypass.
Action	Use MSHP=YES to indicate MSHP bypass required.

NAT5861: Member contains SYSIPT data.

Text	ESY5861 Member contains SYSIPT data.
Explanation	Member to be overwritten contains SYSIPT data.
Action	Use INLINE-DATA=YES to confirm SYSIPT data required, or INLINE-DATA=OFF to switch off the SYSIPT indicator.

NAT5870: RECORD field not in search buffer.

Text	ESY5870 RECORD field not in search buffer.
Explanation	RECORD must be specified for WRITE-FILE.
Action	Specify RECORD value.

NAT5871: MEMBER/MEMBER-TYPE not specified.

Text	ESY5871 MEMBER/MEMBER-TYPE not specified.

Explanation	The member name and/or type was not specified.
Action	Specify a member name and/or type.

NAT5872: Record format not supported.

Text	ESY5872 Record format not supported.
Explanation	The record format of the desired data set is not supported.
Action	No action is required.

NAT5873: RECORD-LENGTH missing.

Text	ESY5873 RECORD-LENGTH missing.
Explanation	The RECORD-LENGTH value is missing.
Action	Specify RECORD-LENGTH value.

NAT5874: RECORD-LENGTH > LRECL.

Text	ESY5874 RECORD-LENGTH > LRECL.
Explanation	The specified RECORD-LENGTH value is greater than the LRECL of the data set.
Action	Specify valid RECORD-LENGTH value.

NAT5875: Position of data field > RECORD-LENGTH.

Text	ESY5875 Position of data field > RECORD-LENGTH.
Explanation	Invalid parameter specified.
Action	Check program and correct error.

NAT5876: No NEW-field for CHANGE request.

Text	ESY5876 No "NEW-" field for CHANGE request
Explanation	No NEW-CLASS, NEW-DESTINATION or NEW-USERID field was supplied for the CHANGE request.
Action	Supply "NEW-" value.

NAT5877: VSAM (SHOWCAT) processing error.

Text	ESY5877 VSAM (SHOWCAT) processing error.
Explanation	A SHOWCAT error was detected when processing the requested VSAM file. This generally indicates that the requested file is not a a VSAM cluster or non-VSAM file, but rather a VSAM catalog or other VSAM non-file object. Information cannot be displayed about this file.

NAT5878: Volume defined as DYNAM/D pool name.

Text	ESY5878 Volume defined as DYNAM/D pool name.

Explanation	The requested volume is defined to Entire System Server as a DYNAM/D "virtual" pool name. The requested function cannot be performed.

NAT5881: Error occurred while opening file.

Text	ESY5881 Error occurred while opening file.
Explanation	An error occurred during OPEN.
Action	Check the status of the data set.

NAT5882: Error occurred while closing file.

Text	ESY5882 Error occurred while closing file.
Explanation	An error occurred during CLOSE.
Action	Check the status of the data set.

NAT5883: Data set is full.

Text	ESY5883 Data set is full.
Explanation	The data set is full.
Action	Compress the PDS, or increase the data set size.

NAT5886: Event is in use.

Text	ESY5886 Event is in use.
Explanation	An attempt was made to delete an event someone was waiting for.
Action	Issue "POST" request prior to delete an event.

NAT5887: Event is already defined.

Text	ESY5887 Event is already defined.
Explanation	An attempt was made to define an event which already exists.
Action	No action is required.

NAT5888: Event name must be specified.

Text	ESY5888 Event name must be specified.
Explanation	An EVENTING request was issued without specifying the EVENT-NAME.
Action	Specify an EVENT-NAME.

NAT5889: Permanent I/O error while writing data set.

Text	ESY5889 Permanent I/O error while writing data set.

Explanation	An I/O error was detected during WRITE access.
Action	This is probably a hardware error. Contact data center personell.

NAT5890: Event does not exist.

Text	ESY5890 Event does not exist.
Explanation	The specified event does not exist.
Action	No action is required.

NAT5891: Timeout waiting for event.

Text	ESY5891 Timeout while waiting for event.
Explanation	A timeout happened before the event was posted.
Action	No action is required.

NAT5893: Getmain failed.

Text	ESY5893 Getmain failed.
Explanation	There was not sufficient storage available to proceed with the request.
Action	Notify systems programmer.

NAT5894: Enable Eventing failed.

Text	ESY5894 Enable Eventing failed.
Explanation	Internal eventing error occurred.
Action	Contact your technical support.

NAT5895: :1: must be specified.

Text	ESY5895 :1: must be specified.
Explanation	Required value :1: was not specified.
Action	Provide required value.

NAT5896: Error occurred when sending E-Mail.

Text	ESY5896 Error occurred when sending E-Mail.
Explanation	Severe error occurred during E-MAIL processing. Further information are returned in field SYSTEM-MESSAGE to identify subfunction and response code.
Action	Please contact technical support.

NAT5897: Mailer response: :1:.

Text	ESY5897 Mailer response :1:.

Explanation	Error :1: occurred during E-MAIL processing in Mailer function. E-MAIL was not delivered to recipient(s) if serious error occurred.
Action	Please contact Entire System Server Administrator. Mailer report may contain further error diagnostics.

NAT5899: Permanent I/O error while reading data set.

Text	ESY5899 Permanent I/O error while reading data set.
Explanation	An I/O error was detected during READ access.
Action	This is probably a hardware error. Contact data center personell.

96 Natural System Error Messages 5900-5949

NAT5900: Cannot allocate SYSOUT data set.

Text	ESY5900 Cannot allocate SYSOUT data set.
Explanation	Dynamic allocation of SYSOUT data set failed.
Action	Contact the systems programmer.

NAT5901: Cannot allocate internal reader.

Text	ESY5901 Cannot allocate internal reader.
Explanation	Dynamic allocation of internal reader failed.
Action	Contact the systems programmer.

NAT5902: Dynamic allocation failed.

Text	ESY5902 Dynamic allocation failed.
Action	Contact the systems programmer.

NAT5903: Dynamic allocation failed for temporary data set.

Text	ESY5903 Dynamic allocation failed for temporary data set.
Explanation	Dynamic allocation for a temporary data set failed.
Action	Contact the systems programmer.

NAT5904: Edit not allowed (SCLM protection).

Text	ESY5904 Edit not allowed (SCLM protection).
Explanation	The selected PDS member has been protected by SCLM. Only browsing of this member is allowed, all update actions are denied.
Action	Use SCLM dialog to free member.

NAT5906: DESERV :1: error, R15=:2:, R0=:3:.

Text	ESY5906 DESERV :1: error, R15=:2:, R0=:3:.
Explanation	A DESERV macro was issued and an unexpected error occurred. The function and values for R15 and R0 are shown.

Action	Check the R15 and R0 values and if necessary contact technical support.

NAT5907: DSPSERV :1: error, R15=:2:, R0=:3:.

Text	ESY5907 DSPSERV :1: error, R15=:2:, R0=:3:.
Explanation	A DSPSERV macro was issued and an unexpected error occurred. The function and values for R15 and R0 are shown.
Action	Check the R15 and R0 values and if necessary contact technical support.

NAT5908: ALESERV :1: failure, R15=:2:, R0=:3:.

Text	ALESERV :1: error, R15=:2:, R0=:3:.
Explanation	An ALESERV macro was issued and an unexpected error occurred. The function and values for R15 and R0 are shown.
Action	Check the R15 and R0 values and if necessary contact technical support.

NAT5909: Syntax error in JCL command.

Text	ESY5909 Syntax error in JCL command.
Explanation	A syntax error was detected.
Action	Check JCL and correct error.

NAT5910: Module not executable.

Text	ESY5910 module not executable.
Explanation	The module has no loadmodule attributes. it can not be executed.
Action	No action required.

NAT5921: Entire System Server node table not linked.

Text	ESY5921 Entire System Server node table not linked.
Explanation	Entire System Server node table not linked.
Action	Contact the systems programmer.

NAT5922: Entire System Server node :1: not active.

Text	ESY5922 Entire System Server node ... not active.
Action	Contact operator or systems programmer.

NAT5923: Error :1: calling ENTIRE SYSTEM SERVER.

NAT5924: Binary descriptors not supported for Incore Database

NAT5925: MU field in PE group not supported for Incore Database

NAT5926: Too many concurrent index searches for one file (max. 2)

NAT5927: Error during init, errno :1:.

Text	.Init of email-handling failed.
Explanation	.check error number with z/OS Communications Server docu, .see IP and SNA Codes > socket and sockets extended return codes .(ERRNOs).

NAT5928: LOGON error.

Text	LOGON error.
Explanation	USERID or PASSWORD are invalid
Action	Check also for capslock key.

NAT5929: no connection to remote-host.

Text	no connection to remote-host.
Explanation	no connection to remote-host possible. check startup parameter IMAP-HOST and IMAP-PORT.
Action	Check also with firewall people, if connection is possible.

NAT5930: LIST-NUM-MAILS greater maximum.

Text	LIST-NUM-MAILS greater maximum.
Explanation	Check with parameter MAX-NUM-MAILSin startup member. LIST-NUM-MAILS must be less or equal than MAX-NUM-MAILS.

NAT5931: error with command.

Text	error with command.
Explanation	Internal error with an IMAP Command.

NAT5932: record length invalid.

Text	record length invalid.
Explanation	Record too long.

NAT5933: UID missing.

Text	UID missing.
Explanation	Unique identifier is needed to read or delete a message.
Action	Use function = LIST to get a valid UID.

NAT5934: Mail not found.

Text	Mail not found.
Explanation	The specified UID did not match with any available mail.
Action	rerun LIST Function, to get valid UIDs.

97 Natural System Error Messages 5950-5999

NAT5960: Internal error - invalid function code (NOMPUT-N).

NAT5961: Internal error - report not opened.

NAT5962: Internal error - error during compression of print line.

NAT5963: Internal error - invalid CC type specification.

NAT5964: Internal error - invalid source type specification.

NAT5965: Internal error - invalid NAF DBID.

NAT5966: Internal error - invalid NAF FNR.

NAT5967: Internal error - invalid logical printer number (1-31).

NAT5968: Internal error - invalid User ID specification.

NAT5969: Internal error - invalid PROGRAM specification.

NAT5970: Internal error - invalid LIBRARY specification.

NAT5971: Internal error - invalid LPF specification.

NAT5972: Internal error - invalid function code (NOMPUTQN).

NAT5973: NOM control record missing.

NAT5974: FSPOOL not defined in the NOM monitor defaults.

NAT5975: Internal error - error during CMMPP call.

NAT5981: Invalid value specified (BLKCTRL/BLKSIZE/LRECL).

Text	ESY5981 Invalid value specified (BLKCTRL/BLKSIZE/LRECL).
Explanation	Invalid value for BLOCK CONTROL, BLOCK SIZE or RECORD LENGTH specified.
Action	Please correct error.

NAT5982: Error during use of ISAM-key.

Text	ESY5982 Error during use of ISAM-key.
Explanation	Possible reasons: - duplicate key detected for DUPEKY=NO - key must be generated, but KEYLEN is greater than 8 bytes or no default KEYPOS - key length of file is greater than 253 bytes - key not found in ISAM-file - no key supplied for UPDATE-INPLACE=YES - invalid key sequence detected
Action	Please check parameters or file attributes.

NAT5983: :1: not supported in :2:.

Text	ESY5983 ... not supported in ....
Explanation	Some views or features are not supported under certain circumstances. Example: View EVENTING is not supported in single user mode on BS2000.
Action	No action possible.

NAT5984: Server is not authorized to access.

Text	ESY5984 Server is not authorized to access.
Explanation	ESY Server Task is not authorized to access various objects with protection attributes, which not allows access for $TSOS.
Action	No action possible.

NAT5985: Access to tape file not allowed.

Text	ESY5985 Access to tape file not allowed.
Explanation	Access to tape file was requested, but parameter TAPES=NO is specified in ESY startup file.
Action	Please contact your ESY Administrator.

NAT5986: No or not enough space for :1:.

Text	ESY5986 No or not enough space for ....
Explanation	Various startup parameter sizes are exceeded. See variable text for details.
Action	Please contact your Entire System Server administrator.

NAT5987: Job Variable already exists.

Text	ESY5987 Job Variable already exists.
Explanation	An existing job variable cannot be allocated again.
Action	Please check your input values.

NAT5988: Invalid task type detected.

Text	ESY5988 Invalid task type detected.

Explanation	Task type must have a value between 1 and 7.
Action	Correct program.

NAT5989: Invalid ELEMENT specification.

Text	ESY5989 Invalid ELEMENT specification.
Explanation	Element name must be unique.
Action	Correct element name.

NAT5990: Field RECORD not found in format buffer.

Text	ESY5990 Field RECORD not found in format buffer.
Explanation	An attempt was made to read a record without specifying the RECORD field.
Action	Supply field RECORD in program.

NAT5991: Unknown product.

Text	ESY5991 Unknown product.
Explanation	An invalid PRODUCT value was specified.
Action	Specify valid product code.

NAT5992: Requested job variable not found.

Text	ESY5992 Requested job variable not found.
Explanation	The requested job variable is not cataloged.
Action	No action required.

NAT5993: Cannot open file.

Text	ESY5993 Cannot open file.
Explanation	An open request failed.
Action	No action required.

NAT5994: File not on volume.

Text	ESY5994 File not on volume.
Explanation	The requested data set is not on the specified volume.
Action	No action is required.

NAT5995: File not in catalog.

Text	ESY5995 File not in catalog.

Explanation	The data set is not catalogued.
Action	Specify VOLSER, or catalog data set.

NAT5996: Volume not online.

Text	ESY5996 Volume not online.
Explanation	The specified volume is currently not available.
Action	Contact operator or systems programmer.

NAT5997: Data set is not PDS or sequential.

Text	ESY5997 Data set is not PDS or sequential.
Action	No action is required.

NAT5998: MEMBER not found.

Text	ESY5998 MEMBER not found.
Explanation	The requested member was not found.
Action	No action is required.

NAT5999: Entire System Server node :1: not active.

Text	ESY5999 Entire System Server node ... not active.
Action	Contact operator or systems programmer.

98 Natural System Error Messages 6000-6049

NAT6000: Error text not available.

Text	Error text not available.

NAT6001: NSD model has no domain reference.

Text	NSD model has no domain reference.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB online services and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6002: Input is an unqualified non existing ERE for multiple domain.

Text	Input is an unqualified non existing ERE for multiple domain.

Explanation	This error should only occur in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6003: "OR" expected in domain/value specification.

Text	"OR" expected in domain/value specification.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6004: Illegal input: model is singular.

Text	Illegal input: model is singular.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6005: Missing built-in ID.

Text	Missing built-in ID.

Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6006: Illegal input after "," in dom/value spec.

Text	Illegal input after "," in dom/value spec.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6007: "DDE" is not allowed here as domain specification.

Text	"DDE" is not allowed here as domain specification.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6008: AX-node expected.

Text	AX-node expected.

Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6009: Unexpected end of text in Search Buffer.

Text	Unexpected end of text in Search Buffer.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6010: Illegal recursion in error handler.

Text	Illegal recursion in error handler.
Explanation	The Entire DB nucleus detected an unexpected situation that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB, terminate your Natural session and start a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6011: Attribute sublist of model not found.

Text	Attribute sublist of model not found.

Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6012: User or DLOGON library not found.

Text	User or DLOGON library not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6013: Illegal format specified for descriptive attribute.

Text	Illegal format specified for descriptive attribute.
Explanation	For each descriptive attribute only specific formats are allowed. This error may occur in the case of an erroneous definition of descriptive attributes or if an illegal format has been specified in the format buffer for a direct call.
Action	Contact your Entire DB administrator.

NAT6014: Bad response code from built-in (ext) routine.

Text	Bad response code from built-in (ext) routine.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6015: New occurrence stored is not in buffer.

Text	New occurrence stored is not in buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6016: Not even 1 page obtained (contradiction).

Text	Not even 1 page obtained (contradiction).
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6017: Page ISN not in core when bit says it should be.

Text	Page ISN not in core when bit says it should be.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6018: AX-node for relation group has not been found.

Text	AX-node for relation group has not been found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6019: Tried to delete DLOGON library or user.

Text	Tried to delete DLOGON library or user.
Explanation	It is not allowed to delete the current DLOGON library or user.
Action	DLOGON for GLOBAL-LIBRARY or another user. Retry to delete library or user.

NAT6021: Missing component sublist.

Text	Missing component sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6022: Occurrence has no reference for PENDING CHANGE RECORDS.

Text	Occurrence has no reference for PENDING CHANGE RECORDS.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6023: Reference to non-existing ERE found in a DV node (EXPORT).

Text	Reference to non-existing ERE found in a DV node (EXPORT).
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6024: Number of nodes on top level sublist = 0.

Text	Number of nodes on top level sublist = 0.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6025: More than 1 sublist attached.

Text	More than 1 sublist attached.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6026: "RECURSIVELY" not allowed in attribute-list.

Text	"RECURSIVELY" not allowed in attribute-list.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6027: Illegal connector in attr/comp sublist (not "OR" OR ",").

Text	Illegal connector in attr/comp sublist (not "OR" OR ",").
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6028: Only one attribute allowed to be specified for occurrence.

Text	Only one attribute allowed to be specified for occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6029: Illegal input in DELETE clause of UPDATE command.

Text	Illegal input in DELETE clause of UPDATE command.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6030: Attrribute options not allowed in domain/value spec.

Text	Attribute options not allowed in domain/value spec.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6031: Domain element is not a valid ERE name.

Text	Domain element is not a valid ERE name.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6033: Category qualification is illegal for a category.

Text	Category qualification is illegal for a category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6034: Non existing ERE entered as category qualification.

Text	Non existing ERE entered as category qualification.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6035: Illegal category qualification.

Text	Illegal category qualification.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6036: Internal error: reference to modify not found.

Text	Internal error: reference to modify not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6037: Attempt to delete category, but occurrences involved.

Text	Category delete rejected, because occurrences involved.
Explanation	A category delete is rejected, because of one of the following: 1) The category to be deleted is an ER-category for which occurrences exist. 2) An ER-category for which non dummy occurrences exist becomes invalid, for example because it has the category to be deleted as attribute. For more details, see Entire DB documentation.
Action	Delete the occurrences involved before deleting the category.

NAT6038: Category update rejected, because occurrences are involved.

Text	Category update was rejected, because occurrences are involved.
Explanation	Category updates are rejected, if: 1) An entity category becomes invalid for non dummy occurrences, for example, because you add a non existing attribute to an entity category or a group category. 2) The category update requires that occurrences would have to be adapted, for example, if an attribute is deleted (exception: non inverted descriptive attributes may always be deleted). For more details, see Entire DB documentation.
Action	1) Define attribute categories before using them as attributes. 2) Delete the occurrences involved before updating the categories.

NAT6040: Missing sublist.

Text	Missing sublist.

Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6041: Missing attribute sublist in model.

Text	Missing attribute sublist in model.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6042: Relation elements cannot be updated (only stored).

Text	Relation elements of a relationship cannot be updated.
Explanation	The relation elements are defined when the relationship is stored, and it is not allowed to update them.
Action	Delete relationship and store new relationship.

NAT6043: Tried to change primary name of occ. of "STORE NAMES" category.

Text	Tried to change primary name of an occurrence of an entity category defined with the "STORE NAMES" option.

Explanation	It is not allowed to change the primary name of an occurrence of an entity category defined with the "STORE NAMES" option, because this option causes the primary name of a referenced occurrence to be stored in the referencing ERE to optimize the access to the linkage attributes, and, therefore, all EREs referencing the referenced ERE would have to be updated.
Action	Delete entity and store new entity with the new name or contact your Entire DB administrator to reorganize your Entire DB database.

NAT6044: Illegal "DELETE" body.

Text	Illegal "DELETE" body.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6045: Updated higher level cat. becomes invalid: Subcategories.

Text	Updated higher level cat. becomes invalid: Subcategories.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6046: Attr/Comp/Domain element to add already exists in category.

Text	Attr/Comp/Domain element to add already exists in category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6047: Illegal modification type.

Text	Illegal modification type.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6049: Not implemented: Subcat for multiple version category.

Text	Not implemented: Subcat for multiple version category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, technical support.

99 Natural System Error Messages 6050-6099

NAT6051: MULTIPLE VERSIONS + LIBRARY INDEPENDENT: mutually exclus.

Text	MULTIPLE VERSIONS + LIBRARY INDEPENDENT: mutually exclus.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB online services and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6052: "MULTIPLE VERSIONS" only allowed for entity cat. and rel.

Text	"MULTIPLE VERSIONS" only allowed for entity cat. and rel.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6053: Attempt to delete the only domain element of a domain cat.

Text	Attempt to delete the only domain element of a domain cat.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6054: Conflicting null suppression options.

Text	Conflicting null suppression options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6056: Invalid category table.

Text	Invalid category table.
Explanation	EXPORT/IMPORT requires a valid category table.
Action	Rerun the export/import jobs with a Natural system containing the valid category table.

NAT6057: Conflicting "UNLOAD" options.

Text	Conflicting "UNLOAD" options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6058: Premature end of workfile found when importing.

Text	Premature end of workfile found when importing.
Explanation	Either a workfile is being used which has been generated by an export program that did not end properly, or the import program has read records using READ WORKFILE, which should have been read by an IMPORT statement, or an IMPORT has been executed, even though END OF WORKFILE has already been reached.
Action	Check workfile and export/import programs. Rerun export job or correct error in export or import programs.

NAT6059: Category "LIBRARY" is not defined in new dict.

Text	Category "LIBRARY" is not defined in new dict.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6060: Unexpected record type found in workfile.

Text	Unexpected record type found in workfile.
Explanation	A record which would have had to be read with READ WORKFILE was not read.
Action	Check program and correct error.

NAT6061: END OF FILE encountered when reading WF-HEADER.

Text	END OF FILE encountered when reading WF-HEADER.
Explanation	Either a workfile is being used which has been generated by an export program that did not end properly, or the import program has read records using READ WORKFILE, which should have been read by an IMPORT statement, or an IMPORT has been executed, even though END OF WORKFILE has already been reached.
Action	Check workfile and export/import programs. Rerun export job or correct error in export or import programs.

NAT6062: "ATTRIBUTES" not allowed in attribute-list.

Text	"ATTRIBUTES" not allowed in attribute-list.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6063: Category sublist encountered for a group attr.

Text	Category sublist encountered for a group attr.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6064: ERE entered is not a sub-category to the attribute.

Text	ERE entered is not a sub-category to the attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6065: Importing references to categories not implemented.

Text	Importing references to categories not implemented.
Explanation	An ERE to be imported references a category. Such references cannot be loaded at this time.
Action	Define attributes which reference categories with "NO LOAD/UNLOAD" option or write an export/import programs without using the EXPORT and IMPORT statements.

NAT6066: Contradiction: Domain ISN exists, but no ERE ISN.

Text	Contradiction: Domain ISN exists, but no ERE ISN.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6067: Bad names entry found in names record.

Text	Bad names entry found in names record.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6068: Contradiction: "Old" ERE exists but not category.

Text	Contradiction: "Old" ERE exists but not category.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6069: Occurrence "taken over" doesn"t exist.

Text	Occurrence "taken over" doesn"t exist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6070: Missing category qualifier for non existing ERE.

Text	Missing category qualifier for non existing ERE.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6071: Illegal relation element.

Text	Illegal relation element.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6072: Sublist specification for non existing ERE.

Text	Sublist specification for non existing ERE.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6073: Sublist entered for domain does not match model.

Text	Sublist entered for domain does not match model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6074: Illegal node encountered in model domain Sublist.

Text	Illegal node encountered in model domain Sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6075: Missing parent anchor in top level Sublist stack entry.

Text	Missing parent anchor in top level Sublist stack entry.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6076: Only references to occurrences are allowed.

Text	Only references to occurrences are allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6077: Sublist stack overflow.

Text	Sublist stack overflow.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6078: Unexpected node.

Text	Unexpected node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6079: Category contains extension record.

Text	Category contains extension record.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6080: Extension record to be deleted locked.

Text	Extension record to be deleted locked.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6081: AD node expected.

Text	AD node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6082: Attempted to set primary name to blank.

Text	Attempted to set primary name to blank.
Explanation	Each entity must have a primary name which is not blank.
Action	Check program and correct error.

NAT6083: Missing AMONG clause for relation.

Text	Missing AMONG clause for relation.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6084: ISN specified for a linkage attribute is not ISN of an ERE.

Text	In a STORE/UPDATE statement an ISN has been specified for a linkage attribute, but an ERE with this ISN does not exist.
Explanation	Either an invalid number has been used, or the ERE to be referenced has been deleted.
Action	Check whether ERE to be referenced is still existing. If yes, check program and correct error.

NAT6085: No name/relation-element specified for ERE to be stored.

Text	No name/relation-element specified for ERE to be stored.
Explanation	Each entity must have a primary name and each relationship must have at least one relation element.
Action	Check program and correct error.

NAT6086: ISN spec. for linkage attribute is ISN of a version record.

Text	ISN spec. for linkage attribute is ISN of a version record.
Explanation	In a STORE/UPDATE statement, the ISN specified for a linkage attribute is the ISN of a version record. Probably *ISN of a "FIND VERSIONS" statement has been specified.
Action	Check program and correct error.

NAT6087: Directory name hasn"t been found when it should have been.

Text	Directory name hasn"t been found when it should have been.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6088: ISN of ERE to be processed is version ISN.

Text	ISN of ERE to be processed is version ISN.
Explanation	Probably the statement where the error occured is contained in a FIND VERSIONS loop. The statement is only allowed for the current version of an ERE.
Action	Check program and correct error.

NAT6089: User written built-in routine has not been linked.

Text	User written built-in routine has not been linked.
Explanation	A user-defined built-in routine has been used. This built-in routine has not been linked to Natural.
Action	Contact your Entire DB administrator.

NAT6090: Duplicate names error.

Text	Duplicate names error.
Explanation	Names must be unique within a library cluster for an entity category. For a relationship category, the combination of relation elements must be unique within a library cluster.
Action	If you tried to store a new ERE: update the existing one. If you tried to rename an ERE, choose a unique name.

NAT6092: Illegal attribute ISN specified for stuffing.

Text	Illegal attribute ISN specified for stuffing.
Explanation	The Entire DB nucleus detected an unexpected situation, which probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB, terminate the Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6094: Work area overflow.

Text	Work area overflow.
Explanation	Overflow of internal work area in Entire DB nucleus occurred.
Action	Contact technical support.

NAT6095: Overflow of work area for command ID management.

Text	Overflow of work area for command ID management.
Explanation	There are too many active sets.
Action	Release sets no longer needed. Retry.

NAT6096: Illegal continuation after "ERE".

Text	Illegal continuation after "ERE".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6097: NSD DV-node expected.

Text	NSD DV-node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6098: Report number expected: number between 0 and 32.

Text	Report number expected: number between 0 and 32.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6099: Need to change code in routine due to MAX#RELS <> 10.

Text	Need to change code in routine due to MAX#RELS <> 10.
Explanation	The Entire DB nucleus detected an unexpected situation which probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB, terminate the Natural session and start a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

100 Natural System Error Messages 6100-6149

NAT6100: Duplicate names check when deleting a version.

Text	Duplicate names check when deleting a version.
Explanation	The Entire DB nucleus detected an unexpected situation which probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB, terminate the Natural session and start a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6102: Attempt to store library dependent occ. in GLOBAL-LIB.

Text	Attempted to store library-dependent occurrence in GLOBAL-LIBRARY.
Explanation	It is not possible to store library-dependent occurrences in the GLOBAL-LIBRARY. A DLOGON statement may be missing.
Action	Check program and correct error.

NAT6103: Attempt to TRANSFER a not validated version of an ERE.

Text	Attempted to TRANSFER a not validated version of an ERE.
Explanation	It is not validated, if there are mandatory attributes that have no values. In this case, TRANSFER is not allowed.
Action	Update entity to be transferred so that it is validated and retry.

NAT6104: Error when requesting/freeing memory.

Text	Error when requesting memory.
Explanation	"IMPORT", "EXPORT", and CATTAB generation each require additional memory. This memory was not available.
Action	Enlarge region size.

NAT6105: Extension record reference in model.

Text	Extension record reference in model.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6106: Workfile has not been allocated.

Text	Workfile has not been allocated.
Explanation	IMPORT and EXPORT require Workfile 1.
Action	Check and correct JCL and rerun job.

NAT6107: Security code in internal format is too long.

Text	Security code in internal format is too long.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6108: Category for UPDATE/STORE not validated.

Text	Category for UPDATE/STORE not validated.
Explanation	The category is not validated, unless all definitions required for the attributes of this category are made.
Action	Contact your Entire DB administrator.

NAT6109: I/O error during workfile access.

Text	I/O error during workfile access for EXPORT/IMPORT.
Explanation	The physical damage of the file is a possible reason.
Action	Contact your Entire DB administrator.

NAT6111: Domain sublist in domain sublist.

Text	Domain sublist in domain sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6113: No ")" or continuation of display-list.

Text	No ")" or continuation of display-list.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6117: Universal linkage attribute in domain sublist.

Text	Universal linkage attribute in domain sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6118: Category is not validated.

Text	Category is not validated.
Explanation	Response code of LF command for a category that is not validated. The category is not validated, unless all definitions required for the attributes of this category are made.
Action	Make the missing definitions.

NAT6119: Unmatching category and ERE references.

Text	Unmatching category and ERE references.
Explanation	In a STORE/UPDATE statement, either the category reference of a linkage attribute exists but no ERE reference, or the indices for category and ERE reference do not match.
Action	Check program and correct error.

NAT6120: No reference, value or subtree in CAT-REF.

Text	No reference, value or subtree in CAT-REF.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6122: Record to be deleted is locked.

Text	Record to be deleted is locked.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6123: Category specified for linkage attribute does not exist.

Text	Category specified for linkage attribute does not exist.
Explanation	In STORE/UPDATE statements, the category specified for a linkage attribute does not exist.
Action	Check program and correct error.

NAT6124: Category specified for linkage attribute is not allowed.

Text	Category specified for linkage attribute does not exist.
Explanation	Category specified for a linkage attribute does not match those categories defined as domain for the linkage attribute.
Action	Check program and correct error.

NAT6125: No domain reference in AD node in attr.

Text	No domain reference in AD node in attr.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6126: DV- or AD-node expected.

Text	DV- or AD-node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6127: Domain is not defined.

Text	Domain is not defined.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6128: No reference to new model category.

Text	No reference to new model category.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6129: Restrictions not allowed (model has not been validated).

Text	Restrictions not allowed (model has not been validated).
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6130: Version has no library node.

Text	Version has no library node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6131: Expected node not found.

Text	Expected node not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6132: RESTORE not allowed in Top-Level-Library.

Text	RESTORE not allowed in Top-Level-Library.
Explanation	Probably, DLOGON for the correct library is missing.
Action	Check program and correct error.

NAT6133: ERE could not be validated.

Text	ERE could not be validated.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6134: No category specified for universal attribute.

Text	No category specified for universal linkage attribute.
Explanation	For universal linkage attributes, references to EREs of all entity categories are allowed. If only the name of the EREs is specified, Entire DB cannot decide to which category the referenced ERE belongs.
Action	Check program and correct error.

NAT6135: Missing CHANGED-BY node.

Text	Missing CHANGED-BY node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6136: "REFERENCED" or "REFERENCING" without "RECURSIVELY" expe.

Text	"REFERENCED" or "REFERENCING" without "RECURSIVELY" expe.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6137: "VERSIONS" not allowed here, will not be processed.

Text	"VERSIONS" not allowed here, will not be processed.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6138: Syntax-unit is not number or ")".

Text	Syntax-unit is not number or ")".
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6139: Syntax-unit is name or ISN of a group attribute.

Text	Syntax unit in Search Buffer is name or ISN of a group attribute.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6140: Too many relation elements entered for relation.

Text	Too many relation elements entered for relation.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6141: Missing component sublist in category RELATION-ELEMENTS.

Text	Missing component sublist in category RELATION-ELEMENTS.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6142: Illegal node in component sublist of cat RELATION-ELEMENTS.

Text	Illegal node in component sublist of cat RELATION-ELEMENTS.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6143: Attribute input for relation did not match.

Text	Attribute input for relation did not match.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6144: Not enough room left for creation of perm ERE.

Text	Not enough room left for creation of perm ERE.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6145: Illegal number of sublists in temporary AD-node.

Text	Illegal number of sublists in temporary AD-node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6146: Category sublist expected in model but not found.

Text	Category sublist expected in model but not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6147: Domain sublist expected in model but not found.

Text	Domain sublist expected in model but not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6148: Incompatible offsets (model and temporary node).

Text	Incompatible offsets (model and temporary node).
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6149: Premature end of sublist in model.

Text	Premature end of sublist in model.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

101 Natural System Error Messages 6150-6199

NAT6150: Neither name nor ISN present in DDN-reference.

Text	Neither name nor ISN present in DDN-reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6151: Illegal or missing model sublist.

Text	Illegal or missing model sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6152: Illegal first node in model sublist (not = GLAT).

Text	Illegal first node in model sublist (not = GLAT).
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6153: AS-command: command option 2 must be "1".

Text	AS-command: command option 2 must be "1".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6154: Missing category qualification for non unique occurrence.

Text	Missing category qualification for non unique occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6155: Category entered as domain reference in occurrence.

Text	Category entered as domain reference in occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6156: Illegal input after "BY" in UPDATE command.

Text	Illegal input after "BY" in UPDATE command.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6157: Internal CID has not been released at end of command.

Text	Internal CID has not been released at end of command.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6158: Data record to be written is not primary, extn. or directory.

Text	Data record to be written is not primary, extn. or directory.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6159: Attr/Comp/Dom not part of category to be updated.

Text	Attr/Comp/Dom not part of category to be updated.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6160: More than one ERE with same name/category found.

Text	More than one ERE with same name/category found.
Explanation	This situation normally should not occur. Under certain circumstances, it is possible that in some rare cases of parallel update more than one ERE is defined with equal name and category.
Action	Contact your Entire DB administrator to rename one of the EREs.

NAT6161: Free format update only implemented for categories.

Text	Free format update only implemented for categories.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6162: Invalid syntax of UPDATE command.

Text	Invalid syntax of UPDATE command.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6163: Not enough room left in work area.

Text	Not enough room left in work area.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6164: Syntax-unit is not ")", "DDE" or entity category.

Text	Syntax-unit is not ")", "DDE" or entity category.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6165: "RECURSIVELY", "REFERENCED" not allowed after "FIND VRS".

Text	"RECURSIVELY" and "REFERENCED" are not allowed after "FIND VERSIONS".
Explanation	The "FIND RECURSIVELY" and "FIND REFERENCED" statements search for EREs, but not for a special version of EREs.
Action	Check program and correct error.

NAT6166: Category reference in occurrence must be a value.

Text	Category reference in occurrence must be a value.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6167: Missing model node while generating category ref.

Text	Missing model node while generating category ref.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6168: Cat update only allowed for top-level categories.

Text	Cat update only allowed for top-level categories.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6169: A set retained in "FIND VERSIONS" only allowed after "FIND VRS".

Text	A set retained in "FIND VERSIONS" only allowed after "FIND VERSIONS".
Explanation	The set used in a FIND statement was retained in a "FIND VERSIONS" statement. This set may only be used after "FIND VERSIONS".
Action	Check program and correct error.

NAT6170: Missing attribute sublist in basic category.

Text	Missing attribute sublist in basic category.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6171: Retained set contains occurrences of other category.

Text	Retained set contains occurrences of other category.
Explanation	Set contains occurrences of other categories than indicated in the FIND statement.
Action	Check program and correct error.

NAT6173: Buffer overflow: No RHD available.

Text	Buffer overflow: No RHD available.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6174: Buffer overflow: no directory overflow bucket available.

Text	Buffer overflow: no directory overflow bucket available.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6175: Buffer overflow: no buffer slot available.

Text	Buffer overflow: no buffer slot available.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6176: Missing global sublist.

Text	Missing global sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6177: Bad names node.

Text	Bad names node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6178: Category to be updated is not a domain category.

Text	Category to be updated is not a domain category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6179: Category to be updated is not an entity category.

Text	Category to be updated is not an entity category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6180: Category to be updated is not a group category.

Text	Category to be updated is not a group category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6181: Illegal input after "ADD".

Text	Illegal input after "ADD".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6182: DEFINE/UPDATE category only after DLOGON for GLOBAL-LIBRARY.

Text	DEFINE/UPDATE category only after DLOGON for GLOBAL-LIBRARY.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6183: Bad history node.

Text	Bad history node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6184: Bad library node.

Text	Bad library node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6185: Number of allocated slots < minimum number of slots required.

Text	Number of allocated slots < minimum number of slots required.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6186: Length of allocated work area < minimum length required.

Text	Length of allocated work area < minimum length required.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6187: Security violation.

Text	Security violation.
Explanation	The Entire DB user has no authorization for the desired action.
Action	Contact your Entire DB administrator.

NAT6188: Group attributes without components.

Text	Group attributes without components.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6189: Syntax-unit is not number.

Text	Syntax-unit is not number.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6190: Node in attr/comp Sublist of category has no attr-reference.

Text	Node in attr/comp Sublist of category has no attr-reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6191: No user specified in DLOGON statement.

Text	No user specified in DLOGON statement.
Explanation	A blank is specified as user name or no Entire DB user exists with the specified name.
Action	Retry DLOGON statement with correct user name.

NAT6192: User is not authorized to DLOGON for this library.

Text	User is not authorized to DLOGON for this library.
Explanation	Specified user is not authorized to DLOGON for this library.
Action	Contact your Entire DB administrator.

NAT6193: Invalid password in DLOGON statement.

Text	Invalid password in DLOGON statement.
Explanation	Either the DLOGON user has a password and no password was specified, or the password specified was invalid.
Action	Retry DLOGON statement with correct password.

NAT6194: Component category not found.

Text	Component category not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6195: Missing component sublist in model.

Text	Missing component sublist in model.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6196: DV- or SKIP-node expected.

Text	DV- or SKIP-node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6197: Invalid library password.

Text	Invalid library password.
Explanation	In a DLOGON statement (syntax 2) the password of the library was missing or incorrect.
Action	Repeat DLOGON with correct library password.

NAT6198: Specified library name is not name of a library.

Text	Specified library name is not name of a library.
Explanation	Specified library name in DLOGON statement is not name of a library.
Action	Retry DLOGON with correct library name.

NAT6199: No default library. Library must be specif. in DLOGON statement.

Text	No default library. Library must be specifiedin DLOGON statement.
Explanation	DLOGON user has no default library. Library must be specified in DLOGON statement.
Action	Retry DLOGON statement with correct library name.

102 Natural System Error Messages 6200-6249

NAT6200: Category LIBRARY has no attribute sublist.

Text	Category LIBRARY has no attribute sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6202: Neither value nor ISN in DV-node.

Text	Neither value nor ISN in DV-node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6203: Periodic group found within periodic group (model).

Text	Periodic group found within periodic group (model).
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6204: Missing primary name.

Text	Missing primary name.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6205: Missing, illegal or non-existing category name.

Text	Missing, illegal or non-existing category name.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6206: ERE already exists.

Text	ERE already exists.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6207: Illegal define body.

Text	Illegal define body.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6208: Higher level category does not exist.

Text	Higher level category does not exist.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6209: ERE entered as higher level category is an occurrence.

Text	ERE entered as higher level category is an occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6210: ERE entered as higher level category is not validated.

Text	ERE entered as higher level category is not validated.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6211: ERE entered as higher level category is locked.

Text	ERE entered as higher level category is locked.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6212: Superfluous input.

Text	Superfluous input.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6213: Invalid input for non multiple model attr.

Text	Invalid input for non multiple model attr.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6217: Unmatched parenthesis.

Text	Unmatched parenthesis.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6218: Missing category DDN reference in model node.

Text	Missing category DDN reference in model node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6220: Unexpected syntax unit found ("OR", "," OR "." expected).

Text	Unexpected syntax unit found ("OR", "," OR "." expected).
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6221: Missing domain specification for domain category.

Text	Missing domain specification for domain category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6222: Input for domain category did not match model.

Text	Input for domain category did not match model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6223: Superfluous input for domain category.

Text	Superfluous input for domain category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6224: Missing attr. spec. for entity category.

Text	Missing attr. spec. for entity category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6225: Missing component specification for group attr. category.

Text	Missing component specification for group attr. category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6226: Input did not match attribute/component Sublist of model.

Text	Input did not match attribute/component Sublist of model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6227: Return code from reduction routines.

Text	Return code from reduction routines.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6228: Illegal node in root category sublist encountered.

Text	Illegal node in root category sublist encountered.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6229: Domain did not match after "ATTR=".

Text	Domain did not match after "ATTR=".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6230: Category did not match after "ATTR=".

Text	Category did not match after "ATTR=".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6231: Illegal input after "WITH".

Text	Illegal input after "WITH".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6232: Entered attribute sublist did not match model.

Text	Entered attribute sublist did not match model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6233: Entered component sublist did not match model.

Text	Entered component sublist did not match model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6234: Non existing ERE entered as attr. of subcat or occurrence.

Text	Non existing ERE entered as attr. of subcat or occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6235: Illegal input after attribute.

Text	Illegal input after attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6237: Sublist specification entered for non existing ERE.

Text	Sublist specification entered for non existing ERE.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6238: Domain specification entered for non existing ERE.

Text	Domain specification entered for non existing ERE.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6239: "WITH" clause illegally used.

Text	"WITH" clause illegally used.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6240: Attribute options are not allowed for occurrence.

Text	Attribute options are not allowed for occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6241: No value entered for attribute in definition of occurrence.

Text	No value entered for attribute in definition of occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6242: Model attribute could not be read.

Text	Model attribute could not be read.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6243: Illegal input after "ATTR=".

Text	Illegal input after "ATTR=".
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6244: Input did not match category specification of model.

Text	Input did not match category specification of model.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6245: Conflicting manual / automatic attribute options.

Text	Conflicting manual / automatic attribute options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB online services and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6246: Attribute option "OMIT" used on top-level Sublist.

Text	Attribute option "OMIT" used on top-level Sublist.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6247: Conflicting mandatory / optional attr options.

Text	Conflicting mandatory / optional attr options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6248: Illegal multiplicity option: model is singular.

Text	Illegal multiplicity option: model is singular.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6249: Input lower limit < model lower limit.

Text	Input lower limit < model lower limit.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

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NAT6250: Input upper limit > model upper limit.

Text	Input upper limit > model upper limit.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6251: Conflicting duplication attribute options.

Text	Conflicting duplication attribute options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6252: Extension attribute option for singular attribute.

Text	Extension attribute option for singular attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6253: Index attribute option for singular attribute.

Text	Index attribute option for singular attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6254: Conflicting index attribute options.

Text	Conflicting index attribute options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6255: Conflicting inversion attribute options.

Text	Conflicting inversion attribute options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6256: Duplication option entered for singular attribute.

Text	Duplication option entered for singular attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6257: "OR" and "," mixed as separators in domain specification.

Text	"OR" and "," mixed as separators in domain specification.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6258: Missing open parenthesis.

Text	Missing open parenthesis.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6259: Domain specification started with "OR": no "," allowed.

Text	Domain specification started with "OR": no "," allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6260: Illegal entry of category: only values allowed.

Text	Illegal entry of category: only values allowed.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6261: Illegal entry of category: only occurrences allowed.

Text	Illegal entry of category: only occurrences allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6262: Duplicate attribute/component/category/domain entered.

Text	Duplicate attribute/component/category/domain entered.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6263: Model attribute is automatic.

Text	Model attribute is automatic.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6264: "OMIT" entered for a mandatory attribute.

Text	"OMIT" entered for a mandatory attribute.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6265: Conflicting impacting options.

Text	Conflicting impacting options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6266: Conflicting extension options.

Text	Conflicting extension options.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6267: Model not group attr. category: comp. spec. not allowed.

Text	Model not group attr. category: comp. spec. not allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6268: Model not entity category: attr. specification not allowed.

Text	Model not entity category: attr. specification not allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6269: Model not domain category: domain specification not allowed.

Text	Model not domain category: domain specification not allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6270: Built-in ID entered for occurrence.

Text	Built-in ID entered for occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6271: Domain specification entered for occurrence.

Text	Domain specification entered for occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6272: Input for global attributes did not match.

Text	Input for global attributes did not match.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6273: Syntax-unit not name or ISN of a category.

Text	Syntax-unit not name or ISN of a category.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6274: Wanted record not found.

Text	Wanted record not found.
Explanation	In rare cases, it is possible that the database becomes inconsistent in the case of concurrent update.
Action	Contact your Entire DB administrator to delete the ERE with the invalid reference.

NAT6275: Record type was not expected.

Text	Record type was not expected.
Explanation	In rare cases, it is possible that the database becomes inconsistent in case of concurrent update.
Action	Contact your Entire DB administrator to delete the ERE with the invalid reference.

NAT6276: Read with timestamp not implemented.

Text	Read with timestamp not implemented.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6277: Premature end of sublist found in model for Global Sublist.

Text	Premature end of sublist found in model for Global Sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6278: Reference to extension record is illegal here.

Text	Reference to extension record is illegal here.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6279: ERE option entered more than once.

Text	ERE option entered more than once.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6280: Missing DDN reference.

Text	Missing DDN reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6281: Alias name entered is not a valid ERE name.

Text	Alias name entered is not a valid ERE name.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6282: More than 15 alias names entered.

Text	More than 15 alias names entered.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6283: ERE option entered is only valid for top-level category.

Text	ERE option entered is only valid for top-level category.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6284: Missing domain sublist.

Text	Missing domain sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6285: Model is not entity category: occurrence not allowed.

Text	Model is not entity category: occurrence not allowed.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6286: Record not in buffer.

Text	Record not in buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6287: Root-node expected.

Text	Root-node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6288: Missing model attr/comp sublist.

Text	Missing model attr/comp sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6289: Occurrence to be processed does not exist.

Text	Occurrence to be processed does not exist.
Explanation	Probably, the occurrence has been deleted in the meantime or a direct call with an invalid ISN in the control block has been issued.
Action	Check whether ERE to be processed still exists. If yes, check program and correct error.

NAT6290: Occurrence is locked: UPDATE not allowed.

Text	Occurrence is locked: UPDATE not allowed.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6291: Empty format buffer specified for STORE.

Text	Empty format buffer specified for STORE.
Explanation	At least the name of an entity or the relation elements of a relationship must be specified in a STORE statement.
Action	Correct error in program.

NAT6292: Attribute sublist of occurrence not found.

Text	Attribute sublist of occurrence not found.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6293: Attribute could not be processed in a STORE/UPDATE stmt.

Text	Attribute could not be processed in a STORE/UPDATE stmt.
Explanation	There are two possible situations which can cause this error: 1) An attribute is specified twice in a STORE/UPDATE statement. In particular, this occurs in connection with linkage attributes, where a linkage attribute has been specified both via its name and via its ISN. 2) An index > 1 has been used for an attribute which is not multiple. This may happen in a direct call or if an invalid DDM is used.

Action	Check program and correct error.

NAT6295: No attribute reference in normal AD node.

Text	No attribute reference in normal AD node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6296: No SLMO in model AD but no components sublist.

Text	No SLMO in model AD but no components sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6297: At end of command a slot is locked.

Text	At end of command a slot is locked.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.

Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6298: At end of command a record is locked.

Text	At end of command a record is locked.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6299: Missing domain reference.

Text	Missing domain reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

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NAT6300: Maximum number of categories defined.

Text	Maximum number of categories defined.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6301: Category ISN must be < 16384.

Text	Category ISN must be < 16384.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6302: Missing category reference.

Text	Missing category reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6303: Missing reference in model node.

Text	Missing reference in model node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6304: Missing component Sublist in attribute GLOBAL-ATTRIBUTES.

Text	Missing component Sublist in attribute GLOBAL-ATTRIBUTES.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6305: First attribute in model is not GLOBAL-ATTRIBUTES.

Text	First attribute in model is not GLOBAL-ATTRIBUTES.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6306: Illegal sublist specification in occurrence.

Text	Illegal sublist specification in occurrence.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6308: SLMO bit set but no ISN present in group attribute reference.

Text	SLMO bit set but no ISN present in group attribute reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6309: No component sublist found in group attr. model, but no SLMO.

Text	No component sublist found in group attr. model, but no SLMO.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6310: Loop limit exceeded when looking for comp.subl.

Text	Loop limit exceeded when looking for comp.subl.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6311: Occurrence has no component AX node where it should have one.

Text	Occurrence has no component AX node where it should have one.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6312: No attribute ISN in model AD node.

Text	No attribute ISN in model AD node.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6313: Bad node found in model for UPDATE/STORE.

Text	Bad node found in model for UPDATE/STORE.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6314: Bad subroutine CALL parameters.

Text	Bad subroutine CALL parameters.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6315: Multiple attribute specified twice with same index.

Text	Multiple attribute specified twice with same index.
Explanation	To begin with, this error may occur if the ISN and name of a linkage attribute are simultaneously specified. In the second place, it is encountered if a variable and a constant index are simultaneously used and the variable and the constant indices are equal.
Action	Check program and correct error.

NAT6316: Bad node found in old occurrence.

Text	Bad node found in old occurrence.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6317: Attribute in a periodic group specified twice with same index.

Text	Attribute in a periodic group specified twice with same index.
Explanation	To begin with, this error may occur if the ISN and name of a linkage attribute are simultaneously specified. In the second place, it is encountered if a variable and a constant index are simultaneously used and the variable and the constant indices are equal.

Action	Check program and correct error.

NAT6318: UPDATE of automatic attribute not allowed.

Text	Update of automatic attribute not allowed.
Explanation	If an automatic attribute occurs in an update view, no new value may be assigned to the automatic attribute after the FIND/GET statement. If an automatic attribute occurs in a STORE view, it must have the value "blank" or "0".
Action	Check program and correct error.

NAT6319: Subtree attached in cat reference.

Text	Subtree attached in cat reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6320: No ISN in category reference.

Text	No ISN in category reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.

Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6321: Built-in check fail.

Text	Built-in check fail.
Explanation	An invalid value has been assigned to a descriptive attribute, i.e. a non-numeric value for a NUMERIC, or a LINE attribute contains a character < blank.
Action	Check program and correct error.

NAT6322: Illegal ISN specified for linkage attribute.

Text	Illegal ISN specified for linkage attribute.
Explanation	The value specified as ISN of a linkage attribute is not numeric.
Action	Check program and correct error.

NAT6323: Illegal reference specified for linkage attribute.

Text	Illegal reference specified for linkage attribute.
Explanation	There are the following possibilities: 1) Only the name of a linkage attribute has been referenced but not the category, even though several categories are possible as domain. 2) A category that is not allowed as domain of the linkage attribute has been specified. 3) An ERE that is not library-independent has been specified as linkage attribute for a library-independent ERE. 4) The specified ISN is not the ISN of an occurrence of a category allowed as domain for the linkage attribute.

Action	Check program and correct error.

NAT6324: No ISN in domain-reference.

Text	No ISN in domain-reference.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6326: Domain-reference with subtree but bad anchor.

Text	Domain-reference with subtree but bad anchor.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6327: Bad node found in domain sublist.

Text	Bad node found in domain sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.

Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6328: Illegal node encountered in model attribute/component Sublist.

Text	Illegal node encountered in model attribute/component Sublist.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6329: Illegal node encountered.

Text	Illegal node encountered.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6330: Given category ISN does not exist.

Text	Given category ISN does not exist.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur, also, if a direct call with an incorrect search value buffer has been performed.

Action	Use the Application clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6332: Occurrences not allowed to this category.

Text	Occurrences not allowed to this category.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur, also, if a direct call with an incorrect search value buffer has been performed.
Action	Use the Application clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6333: Tried to DELETE/EXPORT/TRANSFER a category.

Text	Tried to DELETE/EXPORT/TRANSFER a category.
Explanation	It is not possible to delete/export a category via a DELETE or EXPORT statement. The TRANSFER statement may only be used for occurrences of multiple version categories.
Action	Use the Entire DB Utilities to delete/export a category.

NAT6335: Component sublist entered for occurrence.

Text	Component sublist entered for occurrence.

Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6336: Bad response code from FREEBUFF.

Text	Bad response code from FREEBUFF.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6337: More than one level of extension records specified.

Text	More than one level of extension records specified.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6338: C*attribute has no numeric value in a STORE/UPDATE statement.

Text	C*attribute has no numeric value in a STORE/UPDATE statement.

Explanation	Probably there is a redefinition with another format of C*attribute.
Action	Check program and correct error.

NAT6340: Not even 1 group fits into extension record.

Text	Not even one group fits into extension record.
Explanation	Probably a periodic group contains a multiple attribute with too many values. A possible solution may be not to define the "extensions allowed" option for the periodic group itself, but to define it for a multiple attribute within the periodic group.
Action	Contact your Entire DB administrator to reorganize the Entire DB database.

NAT6341: ERE overflow.

Text	ERE overflow.
Explanation	Probably there are too many values for multiple attributes or periodic groups which have been defined without "extensions allowed".
Action	Contact your Entire DB administrator to define one of the multiple attributes or periodic groups as "extensions allowed".

NAT6343: Synchronization failure when reading extension record.

Text	Synchronization failure when reading extension record.

Explanation	Due to a concurrent UPDATE on an ERE, a synchronization problem may arise between the timestamps of the old primary record and the new extension record. As a result, the Entire DB statement being processed cannot be terminated correctly. The ERE may be inconsistent until the UPDATE transaction is completed.
Action	Retry later. If the error still occurs after the maximum transaction time, finish your Natural session and contact Product Support.

NAT6345: C*attribute specified more than once.

Text	C*attribute specified more than once.
Explanation	This error may occur, if C*attribute is used simultaneously with a variable and a constant periodic group index, and the variable and the constant indices are equal. Apart from that, this error may occur in a direct call.
Action	Check program and correct error.

NAT6346: Not even one node fits in EXTENSION RECORD.

Text	Not even one node fits in EXTENSION RECORD.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6347: Requested format conversion is not implemented.

Text	Requested format conversion is not implemented.
Explanation	For each descriptive attribute only specific formats are allowed. This error may occur in case of an erroneous definition of descriptive attributes or if an illegal format has been specified in the format buffer for a direct call.
Action	Contact your Entire DB administrator.

NAT6348: DV-node expected.

Text	DV-node expected.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6349: Directory belongs to other top level library.

Text	Directory belongs to other top level library.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

105 Natural System Error Messages 6350-6399

NAT6351: Format buffer element is group attribute. (Not implemented).

Text	Format buffer element is group attribute. (Not implemented).
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6352: Attribute not defined.

Text	Attribute not defined.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.

Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6353: Category not defined.

Text	Category not defined.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6354: Error in format buffer.

Text	Error in format buffer.
Explanation	An error in the format buffer was detected for a direct call.
Action	Check program and correct error.

NAT6355: Record buffer overflow.

Text	Record buffer overflow.
Explanation	The record buffer length specified in the control block for a direct call is less than the length resulting from the format buffer.

Action	Check program and correct error.

NAT6357: Category in Search Buffer is attribute category.

Text	Category in Search Buffer is attribute category.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6359: Syntax unit in Search Buffer not cat-ISN, cat-name or "DDE".

Text	Syntax unit in Search Buffer not cat-ISN, cat-name or "DDE".
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6360: Syntax unit in Search Buffer not beginning of a search criterion.

Text	Syntax unit in Search Buffer not beginning of a search criterion.

Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.
Action	Use the PRODUCT clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6361: Bad built-in ID.

Text	Bad built-in ID.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6362: Syntax unit is not a name.

Text	Syntax unit is not a name.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6363: Stack overflow.

Text	Stack overflow.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6364: No ")" or continuation FIND-group.

Text	No ")" or continuation FIND-group.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6365: No command ID available.

Text	No command ID available.
Explanation	A too complex FIND statement has been specified.
Action	Subdivide your FIND statement into two less complex FIND statements.

NAT6367: For direct call, invalid command ID specified in control block.

Text	For direct call, invalid command ID specified in control block.
Explanation	A valid command ID must not begin with H"FF" or the letter "D". This error also occurs, if a command requires that the command ID has already be defined, and the command ID does not exist, or if a command ID already exists, when it must not yet exist, or if a command ID is defined not in the way as it is expected by the current command, for example for another category.
Action	Check program and correct error.

NAT6369: Not value of attribute in search value buffer.

Text	An invalid value of an attribute was found in the search value buffer.
Explanation	Probably an attribute with illegal format has been defined or an illegal built-in category has been specified. The error may arise, also, if the maximum length of 119 bytes for a descriptor is exceeded.
Action	Contact your Entire DB administrator to correct the category definitions.

NAT6370: Not linkage attribute ISN or name in search value buffer.

Text	Not linkage attribute ISN or name in search value buffer.
Explanation	This error may occur after a DLOGON to a library in an environment which contains other categories than expected by the program. It may occur as well, if a direct call with an incorrect search value buffer has been performed.

Action	Use the Application clause of the DLOGON statement to prevent access to an environment with invalid categories. In case of an invalid direct call, check program and correct error.

NAT6374: Error in record buffer: variable length = 0.

Text	Error in record buffer: variable length = 0.
Explanation	In a direct call for an update, the length byte = 0 was specified for a field with variable length.
Action	Check program and correct error.

NAT6376: Not end of text in Search Buffer.

Text	Not end of text in Search Buffer.
Explanation	An invalid DLOGON statement (with Syntax 2) or an invalid FIND NATIVE statement has been issued or a direct call with an invalid search buffer has been specified.
Action	Check program and correct error.

NAT6377: No compare operator after category name/ISN.

Text	No compare operator after category name/ISN.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.

Action	Check program and correct error.

NAT6378: Category name or directory name not in category table.

Text	Category name or directory name not in category table.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6379: Only ISN-linkage-attributes > 0 and <> 0 are implemented.

Text	Only ISN-linkage-attributes > 0 and <> 0 are implemented.
Explanation	It was attempted to perform a FIND WITH ISN-linkage-attribute > x or <> x, where x is a non-zero number.
Action	Check program and correct error.

106 Natural System Error Messages 6400-6449

NAT6401: Illegal DNATIVE command.

Text	Illegal DNATIVE command.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6402: Extraneous input follows end of command in Search Buffer.

Text	Extraneous input follows end of command in Search Buffer.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6403: Not a valid syntax-unit in Search Buffer.

Text	Not a valid syntax-unit in Search Buffer.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6405: Invalid or missing ISN in Search Buffer.

Text	Invalid or missing ISN in Search Buffer.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6408: Built-in ID missing or invalid.

Text	Built-in ID missing or invalid.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6411: "RECURSIVELY" not allowed here.

Text	"RECURSIVELY" not allowed here.
Explanation	A direct call or a FIND NATIVE was issued with a syntax error in the Search Buffer.
Action	Check program and correct error.

NAT6413: "MULTIPLE VERSIONS" misspelled.

Text	"MULTIPLE VERSIONS" misspelled.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6414: "SINGLE VERSION" misspelled.

Text	"SINGLE VERSION" misspelled.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6422: Invalid TRACE-option.

Text	Invalid TRACE-option.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6428: Same option entered before.

Text	Same option entered before.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6436: TO-option = 0 not permitted.

Text	TO-option = 0 not permitted.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6437: FROM-option <= 1 not permitted.

Text	FROM-option <= 1 not permitted.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6438: FROM-option > TO-option not permitted.

Text	FROM-option > TO-option not permitted.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6444: Attribute option still pending.

Text	Attribute option still pending.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

NAT6445: Invalid STATS-option.

Text	Invalid STATS-option.
Explanation	This error should occur only in internal Entire DB statements used in Entire DB ONLINE SERVICES and in Entire DB utilities.
Action	If this error occurs in a "normal" statement, contact technical support.

107 Natural System Error Messages 6450-6499

NAT6452: Value stack overflow.

Text	Value stack overflow.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6453: Symbol stack overflow.

Text	Symbol stack overflow.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6454: Unexpected return code in module LANPROC.

Text	Unexpected return code in module LANPROC.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6455: Value stack underflow.

Text	Value stack underflow.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6456: Duplicate information in Search Buffer.

Text	Duplicate information in Search Buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6457: Duplicate value in Search Buffer.

Text	Duplicate value in Search Buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6458: Syntax-unit is not correct.

Text	Syntax-unit is not correct.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6459: Unexpected end of text in Search Buffer.

Text	Unexpected end of text in Search Buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6460: Extraneous or unrecognized information in Search Buffer.

Text	Extraneous or unrecognized information in Search Buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6461: Illegal special character in Search Buffer.

Text	Illegal special character in Search Buffer.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6462: Error in language definition in module LANTAB.

Text	Error in language definition in module LANTAB.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6473: External library does not exist.

Text	External library does not exist.
Explanation	A DLOGON was tried to an external library that is not defined in the slave environment, where it is expected.
Action	Contact your Entire DB administrator.

NAT6474: Library belongs to invalid application.

Text	Library belongs to invalid application.
Explanation	A DLOGON was tried to a library that is not assigned to the specified application.
Action	Retry DLOGON for another library assigned to the correct application.

NAT6475: DLOGON from current master environment not allowed.

Text	DLOGON from current master environment not allowed.
Explanation	A DLOGON to the desired environment is not allowed from the current master environment.
Action	Contact your Entire DB administrator.

NAT6476: External password missing or incorrect.

Text	External password missing or incorrect.
Explanation	If Syntax 2 is used for the DLOGON statement for an external library and the password of the user in the master environment is different from the user"s password in the new environment, then the user"s password in the slave environment must be specified, too.
Action	Retry DLOGON with correct external password.

NAT6477: DLOGON to another environment failed: restart Natural session.

Text	DLOGON to another environment failed: restart Natural session.
Explanation	An overflow occurs in the logical file table and therefore, it is not possible to DLOGON to another Entire DB environment in the current Natural session.
Action	Restart your Natural session and retry DLOGON.

NAT6478: Entire DB system files are not coupled.

Text	Entire DB system files are not coupled.
Explanation	If the Entire DB system files are not coupled, Entire DB cannot recognize whether system file 2 belongs with system file 1. For performance reasons it is recommended to use physically coupled files, although it is also possible to use files which are not coupled. To avoid errors, Entire DB requires that consecutive file numbers be used if the Entire DB system files are not coupled.

Action	Check that LFile assignment is correct and contact your Entire DB system administrator.

NAT6479: Index > UP TO option, update not done for illegal index.

Text	An index for multiple attribute or an attribute in a periodic group was specified that is larger than the corresponding UP-TO option.
Explanation	Although the UPDATE command is continued, no attribute values with an illegal index will be stored.
Action	Check program and correct error or contact your Entire DB administrator to increase the UP-TO option.

NAT6480: Alias name rejected because already name of another ERE.

Text	During an IMPORT an alias name was rejected, because this name is already the name of another ERE.
Explanation	The name is rejected, because we otherwise would get a duplicate names error. All other attributes of the imported ERE are updated.
Action	Check, which ERE should have the name and update the EREs if necessary.

NAT6481: Update of ERE rejected.

Text	During an import the update of an occurrence was rejected.
Explanation	The Entire DB import rejects the update of the following occurrences: - library independent occurrences of library semi-independent categories if the DLOGON library is not the GLOBAL-LIBRARY; - the DLOGON user; - libraries which are not dummy.

Action	Check if the ERE in the GLOBAL-LIBRARY is the same as the rejected ERE. If not, rename the ERE in the export library and re-run the EXPORT and IMPORT programs. If it is, do required update with normal update program

NAT6482: Entire system file 2 is defined with ISN reusage.

Text	Adabas system file 2 for Entire DB is defined with ISN reusage.
Explanation	A record has been stored with an ISN larger than the MAX-ISN of system file 2 has been stored in system file1. The Entire DB nucleus tried to perform an Adabas N1 call for system file 2 to force Adabas to create an extension of the Adabas address converter. But because of ISN reusage Adabas created an ISN with a small ISN, and didn"t create the extension of the address converter. Until the ISN reusage option has been reset or the MAX ISN has been increased, it is not possible to store new records and to perform some updates.
Action	Contact your DBA to reset the ISN reusage option for Adabas Entire system file 2.

NAT6483: An ISN exists only in Entire system file 2, but not in file 1.

Text	An ISN exists only in Entire system file 2, but not in file 1.
Explanation	The Entire DB nucleus detected an unexpected situation, that probably resulted from an error in the Entire DB nucleus.
Action	To continue work with Entire DB terminate Natural session and begin a new one. Try to reproduce the error with DU=ON to get a dump and contact technical support.

NAT6484: DLOGON rejected, because library contains invalid attributes.

Text	DLOGON rejected, because library contains invalid attributes.
Explanation	This may happen, if the library has not been defined using the utilities or subprograms provided by SAG. One typical reason is that an import of EREs referencing a library has been executed, and the library has been created as dummy, or a non existing library name has been specified for a linkage attribute with domain library.
Action	Contact your Entire DB administrator to correct the library definition.

NAT6485: ISN in control block is not ISN of ER-category.

Text	ISN in control block is not ISN of ER-category.
Explanation	Either a DLOGON to an environment where the requested category doesn"t exist has been performed, or a native call with an illegal ISN in the control block has been performed.
Action	Check program and correct error.

NAT6486: READ LOGICAL only implemented for descriptive attributes.

Text	READ LOGICAL only implemented for descriptive attributes.
Explanation	This error can have the following reasons: 1) A linkage attribute has been specified in a READ statement. This is not implemented. Use a FIND statement and a SORT statement instead. 2) The DDM did not correspond with the category, perhaps because a DLOGON to an environment with other categories has been performed. 3) An invalid Entire L3/L6 direct call has been performed.

Action	Check program and previous DLOGON-statement and correct error.

NAT6487: Error in search buffer or value buffer of an Entire call.

Text	Error in search buffer or value buffer of an Entire call.
Explanation	An Entire direct call with an invalid search buffer or value buffer has been performed.
Action	Check program and correct error.

NAT6488: Number of data blocks invalid.

Text	Number of data blocks invalid.
Explanation	The number of data blocks defined must be either 0, or have a value between 10 and 16, whereby the default value is either 0 or 10.
Action	Contact your Entire DB administrator regarding Record Size maintenance in Entire DB Utilities.

NAT6489: ZSIZE insufficient for this environment.

Text	ZSIZE insufficient for this environment.
Explanation	The ZSIZE requirements are dependent upon the value assigned to the number of data blocks (record size) in the environment (system files).

Action	Increase ZSIZE and restart Natural session.

NAT6490: ERE is inconsistent.

Text	ERE is inconsistent.
Explanation	The kind of ERE inconsistency, appearing during a SHOW statement, can be inferred from the kinds of warnings displayed.
Action	This inconsistency should be removed in accordance with the instructions given on "Inconsistency" in the Entire DB Reference documentation.

NAT6491: "ERRORS" not allowed here.

Text	"ERRORS" not allowed here.
Explanation	The reserved word "ERRORS" has been detected, but is not allowed, in the Search Buffer.
Action	Check program and correct error.

NAT6492: Category Table could not be written. Modules not linked.

Text	Category Table could not be written. Modules not linked.
Explanation	The modules required for Usage of Category Table are not linked to Natural. Please see the Entire DB Installation documentation for further information.

Action	Check the link job and re-link Natural with the required modules.

NAT6493: Invalid Relation Elements for Relationship Occurrence.

Text	Invalid Relation Elements for Relationship Occurrence.
Explanation	Invalid relation elements were specified for storing Relationship Occurrence. Either all relation elements have NULL value, or relation element n has NULL value and relation element n+1 does not have NULL value.
Action	Correct error in program.

NAT6494: Illegal DLOGON session.

Text	Illegal DLOGON session.
Explanation	A DLOGON session can have a value between "0" and "9" or "+" or "-". "+" is only allowed if the previous DLOGON session was less than "9". "-" is only allowed if the previous DLOGON session was more than "0".
Action	Correct error in program.

NAT6495: Illegal MASTER Environment.

Text	Illegal MASTER Environment.
Explanation	Either invalid LFILE parameter have been specified for the Entire DB system files, or the Entire DB MASTER Environment has not been installed correctly.

Action	Check your system file assignments with the SYSPROF command. If they are correct, check that the Entire DB MASTER Environment has been installed correctly.

NAT6496: Illegal Slave Environment.

Text	Illegal Slave Environment.
Explanation	Either the Slave Environment entry of an external library has been specified incorrectly, or the Entire DB Slave Environment has not been installed correctly.
Action	Check your definition of the slave environment, using Entire DB Online Services. If it is correct, check that the Entire DB Slave Environment has been installed correctly.

NAT6497: Copy rejected because REPLACE option not specified.

Text	Copy rejected because REPLACE option not specified.
Explanation	A copy where the target ERE already exists and is not dummy is only allowed if the REPLACE option has been specified.
Action	Check program and correct error.

NAT6498: Update operation rejected due to concurrent update.

Text	Update operation rejected due to concurrent update.
Explanation	An update operation could not be carried out for one of the following reasons: 1) A record to be updated is held by another user. 2) A referenced record is held by another user. 3) The "hold" queue is full.

Action	Try again later. If the "hold" queue is too small, contact your database administrator.

108 Natural System Error Messages 6500-6549

NAT6500: EDITOR buffer SSIZE not allocated or too small.

Text	EDITOR buffer SSIZE not allocated or too small.
Explanation	The initialization of the EDITOR failed due to insufficient main storage for its SSIZE buffer.
Action	Restart Natural with a larger SSIZE value, or in a larger environment.

NAT6501: SAG editor buffer pool not found, invalid or not active.

Text	SAG editor buffer pool not found, invalid or not active.
Explanation	The SAG editor buffer pool is not defined correctly, not allocated or not started. Possibly, it was initalized with a Natural nucleus of a different Natural version. An editor buffer pool cannot be shared by different Natural versions. If you have defined an auxiliary SAG editor buffer pool with the profile parameter EDPSIZE, there may not be enough memory to allocate it.

Action	Check if the NTBP macro in the Natural pameter module specifies the editor buffer pool correctly. For a global buffer pool, check if it has been started successfully. Correct problem and restart Natural session.

NAT6502: SAG EDITOR buffer pool too small.

Text	SAG EDITOR buffer pool too small.
Explanation	The SAG EDITOR buffer pool is defined too small to contain all the required tables and a sufficient number of blocks. Refer to the Natural documentation for information on the SAG EDITOR buffer pool space requirements.
Action	Enlarge the SAG EDITOR buffer pool or use a smaller work file and restart the Natural environment.

NAT6503: SAG EDITOR buffer pool initialization timeout exceeded.

Text	SAG EDITOR buffer pool initialization timeout exceeded.
Explanation	For a multi-user environment or when you are running a global SAG EDITOR buffer pool, either 1) initialization by another user has failed due to an unexpected abend, or 2) the initialization timeout value has been exceeded.
Action	In the first case, contact technical support and when the problem is solved, restart the EDITOR buffer pool. In the second case, increase the EDITOR buffer pool timeout parameter and then restart the EDITOR.

NAT6504: SAG EDITOR buffer pool work file open error :1:.

Text	SAG EDITOR buffer pool work file open error ... .
Explanation	During SAG EDITOR buffer pool initialization, the first access to the work file has failed with one of the following return codes: 04: Work file cannot be opened or accessed. 08: Invalid work file record length. 12: Work file I/O error. 16: Work file defined incorrectly or in use by another buffer pool. 20: Too few work file records (minimum is 10).
Action	Check the console operator log for more detailed messages. Correct the problem with the work file and restart the SAG EDITOR buffer pool.

NAT6505: SAG EDITOR work file record length invalid.

Text	SAG EDITOR work file record length invalid.
Explanation	The EDITOR SAG buffer pool work file has been defined with an invalid record length. It must be in the range of 504 to 16384 bytes and it must be a multiple of 8 bytes.
Action	Redefine the SAG EDITOR buffer pool work file with a correct record length and restart the SAG EDITOR buffer pool.

NAT6506: SAG EDITOR buffer pool has been restarted.

Text	SAG EDITOR buffer pool has been restarted.
Explanation	The SAG EDITOR buffer pool has been restarted by the administration utility. The new buffer pool cannot be accessed by this session.

Action	Restart the Natural session to access the new buffer pool.

NAT6507: EDITOR buffer pool initialized successfully by user :1:.

Text	EDITOR buffer pool initialized successfully by user ...
Explanation	The SAG EDITOR buffer pool was successfully initialized by user ... This message is for information only and is not sent to the operator console if the SAG EDITOR buffer pool parameter IMSG=OFF was set.
Action	None

NAT6508: SAG EDITOR buffer pool initialization failed by user :1:.

Text	SAG EDITOR buffer pool initialization failed by user ...
Explanation	The SAG EDITOR buffer pool initialization started by user ... has failed. This message is sent to the operator console only if the SAG EDITOR buffer pool parameter IMSG=ON was set.
Action	Check the other messages on the operator console for more detailed information about the cause of the failure.

NAT6509: SAG EDITOR buffer pool terminated by user :1:.

Text	SAG EDITOR buffer pool terminated by user ...
Explanation	The SAG EDITOR buffer pool has been terminated by user ... This message is for information only and is not sent to the operator console if the SAG EDITOR buffer pool parameter IMSG=OFF is set.

Action	None

NAT6510: SAG Editor work-file read error :1:.

Text	SAG Editor work-file read error ....
Explanation	An error has occurred when reading a record from the SAG Editor buffer-pool work file. The error reason code explains the cause of the failure as follows: 04: Work-file OPEN error. 08: Invalid work-file record length. 12: Work-file I/O error. 16: Incorrect work file defined. 20: Record not found. 24: Work-file CLOSE error.
Action	Check the console operator log for more detailed messages. Correct the problem with the work file and restart the SAG Editor buffer-pool if necessary.

NAT6511: SAG Editor work-file write error :1:.

Text	SAG Editor work-file write error ....
Explanation	An error has occurred when writing a record to the SAG Editor buffer-pool work file. The error reason codes are: 04: Work-file OPEN error. 08: Invalid work-file record length. 12: Work-file I/O error. 16: Incorrect work file defined. 20: Record not found. 24: Work-file CLOSE error.
Action	Check the console operator log for more detailed messages. Correct the problem with the work file and restart the SAG Editor buffer-pool if necessary.

NAT6512: SAG editor cannot run with this Natural version.

Text	SAG editor cannot run with this Natural version.
Explanation	The SAG editor module NATEDT linked to Natural is not compatible with the Natural nucleus, that is, the NATEDT module belongs to a different version.
Action	Link the correct NATEDT module.

NAT6513: Editor work file in use by job :1: on system :2:.

Text	Editor work file in use by job ... on system ....
Explanation	The SAG Editor buffer pool work file is attached to a local buffer pool of the job and system as indicated in the message. The current buffer pool cannot be "warm-started" with this work file because of a different job name or system name.
Action	Check whether you have defined the correct work file. If you are sure, you can perform a buffer pool "cold start", e.g. with session profile parameter EDBP=(COLD=ON), to re-initialize the buffer pool work file.

NAT6514: Editor work file in use by global buffer pool :1: on system :2:.

Text	Editor work file in use by global buffer pool ... on system ....
Explanation	The SAG Editor buffer pool work file is attached to the global buffer pool and system indicated in the message. The current buffer pool cannot be "warm-started" with this work file because of a different buffer pool name or system name.

Action	Check whether you have defined the correct work file. If you are sure, you can perform a buffer pool "cold start", e.g. by session profile parameter EDBP=(COLD=ON), to re-initialize the buffer pool work file.

NAT6515: Running SAG Editor without EDPSIZE in SYSPLEX not allowed.

Text	Running SAG Editor without EDPSIZE in SYSPLEX not allowed.
Explanation	When running in a SYSPLEX environment, the usage of an Editor buffer pool is not possible. In this case you have to start the session with parameter EDPSIZE to work with an auxiliary buffer pool. See also description of parameter EDPSIZE.
Action	Restart session with EDPSIZE.

109 Natural System Error Messages 6700-6749

NAT6700: Entry may be ND (not null with default) or NN (not null).

NAT6701: ND(not null with default)/(FI)fieldproc-block mutually exclusive.

NAT6702: Enter valid program name in fieldproc-block. Press ENTER.

NAT6706: Subselect is required. Press ENTER to proceed.

NAT6707: Please enter:1:.

NAT6708: UPDATE and UPDATE(column-name) are mutually exclusive.

NAT6709: Enter table- and/or view-names. Press PF2 to proceed.

NAT6710: Enter authorization-IDs or "PUBLIC". Press PF2.

NAT6711: Press PF2 to see next map.

NAT6712: Invalid name for sql-member specified.

NAT6713: Too many keywords specified in command line.

NAT6714: No SQL-members found to be listed.

NAT6715: Name of SQL-member missing or invalid.

NAT6716: Source changes not to be considered. Press PF4 to confirm.

NAT6717: A member with that name already exists.

NAT6718: Source area contains currently more than:1:lines.

NAT6719: Name of SQL-member must start with upper-case character.

110 Natural System Error Messages 6750-6799

NAT6799: No information for this error found.

111 Natural System Error Messages 6800-6849

NAT6800: Suspending of a session failed

NAT6801: Columns :1: :2:

NAT6802: Invalid command

NAT6803: Invalid parameter

NAT6804: Only one member can be in source area

NAT6805: Session exists but diffrent

NAT6806: Data indexes rebuilt

NAT6807: Layout of the file is missing

NAT6808: Command :1: invalid

NAT6809: Invalid type

NAT6810: I/O ERROR

NAT6811: SSIZE too small

NAT6812: Number too big

NAT6813: Number too short

NAT6814: Illegal usage

NAT6815: Illegal file type

NAT6816: Too many labels

NAT6817: Error in getting lines

NAT6818: Error while deleting lines

NAT6819: Sort failed

NAT6820: :1: lines sorted

NAT6821: *top of data reached*

NAT6822: *bottom of data reached*

NAT6823: :1: records searched

NAT6824: Record length invalid

NAT6825: Invalid hex string

NAT6826: Invalid string

NAT6827: Invalid "to" string

NAT6828: User exit not defined

NAT6829: Line(s) not deleted

NAT6830: Invalid in hex mode

NAT6831: No space in source area

NAT6832: No space for data block

NAT6833: No space for index block

NAT6834: Cannot read index block

NAT6835: Cannot allocate BP file

NAT6836: Write to BP failed

NAT6837: Read from BP failed

NAT6838: Enter a FIND command

NAT6839: Enter a CHANGE command

NAT6840: Char :1:":2:" found

NAT6841: Char :1:":2:" not found

NAT6842: :1: char :2:":3:" found

NAT6843: Index for the field not exists

NAT6844: Read failed

NAT6845: Getting text failed

NAT6846: Line length exceeded

NAT6847: No lines found

NAT6848: :1: line(s) excluded

NAT6849: :1: line(s) included

112 Natural System Error Messages 6850-6899

NAT6850: :1: line(s) deleted

NAT6851: Log file not active

NAT6852: No log records

NAT6853: Log error

NAT6854: Definition of the field is missing

NAT6855: Error reading log block

NAT6856: Data changed-save/cancel

NAT6857: Member :1: saved

NAT6858: File saved

NAT6859: BP not active

NAT6860: Cannot free BP block

NAT6861: Editor Buffer Pool full.

Text	Editor Buffer Pool full.

Explanation	The SAG Editor tried to allocate a block unsuccessfully. This means that the Editor cannot continue the processing of the specified Editor session. The user who received this error should end the session with FIN, because any further operation on edit sessions would fail.
Action	Increase the Editor work file size, or, if the EDPSIZE is used, increase EDPSIZE.

NAT6862: Cannot free BP block

NAT6863: Enter character string

NAT6864: Enter "to" string

NAT6865: Cannot write checkpoint block

NAT6866: Cannot free checkpoint block

NAT6867: Some data may be ignored

NAT6868: ISN operation failed

NAT6869: Format of the field invalid

NAT6870: Job :1: submitted

NAT6871: Command passed to PANVALET

NAT6872: Command passed to LIBRARIAN

NAT6873: Window does not fit

NAT6874: Invalid data space

NAT6875: ISN already exists

NAT6876: Member :1: created

NAT6877: File has been created

NAT6878: :1: line(s) copied

NAT6879: Member not found

NAT6880: Suffix :1:":2:" found

NAT6881: Suffix :1:":2:" not found

NAT6882: :1: suffix :2:":3:" found

NAT6883: Suffix :1:":2:" changed

NAT6884: :1: suffix :2:":3:" changed

NAT6885: Prefix :1:":2:" found

NAT6886: Prefix :1:":2:" not found

NAT6887: :1: prefix :2:":3:" found

NAT6888: Prefix :1:":2:" changed

NAT6889: :1: prefix :2:":3:" changed

NAT6890: Word :1:":2:" found

NAT6891: Word :1:":2:" not found

NAT6892: :1: word :2:":3:" found

NAT6893: Word :1:":2:" changed

NAT6894: :1: word :2:":3:" changed

NAT6895: Invalid session number

NAT6896: Session does not exist

NAT6897: Invalid request

NAT6898: Special characters table is missing

NAT6899: Activation of a session failed

113 Natural System Error Messages 6900-6949

NAT6900: Natural Command Processor internal error :1:.

Text	Natural Command Processor internal error ....
Explanation	This is a runtime error.
Action	Note the error number ... . Contact technical support and quote the error number.

NAT6901: Error in ACTION clause of PROCESS COMMAND statement.

Text	Error in ACTION clause of PROCESS COMMAND statement.
Explanation	One of the following errors has occurred in a PROCESS COMMAND statement: - The keyword "ACTION" is missing. - No action or an invalid action has been specified after the keyword "ACTION". See the Natural documentation for the correct PROCESS COMMAND syntax.
Action	Correct error in program.

NAT6902: Error in USING clause of PROCESS COMMAND statement.

Text	Error in USING clause of PROCESS COMMAND statement.
Explanation	One of the following errors has occurred in a PROCESS COMMAND statement: - The keyword "USING" is missing. - The USING operand conflicts with the specified action. - One of the values specified in the USING clause does not agree with the field to which it is assigned. - An equal sign "=" is missing between a field and its value.
Action	Correct error in program.

NAT6903: Error in GIVING clause of PROCESS COMMAND statement.

Text	Error in GIVING clause of PROCESS COMMAND statement.
Explanation	One of the following errors has occurred in a PROCESS COMMAND statement: - The keyword "GIVING" is missing. - One of the fields specified in the GIVING clause conflicts with the action specified in the ACTION clause. - One of the fields required for the specified action has not been defined (in the DEFINE DATA statement or GIVING clause). - If a DEFINE DATA statement is used, the GIVING clause is not allowed.
Action	Correct error in program.

NAT6910: Processor name is invalid or missing.

Text	Processor name is invalid or missing.
Explanation	In the USING clause of a PROCESS COMMAND statement, you have specified the name of a Command Processor which is invalid or does not exist.

Action	Either specify the correct name or specify the name of an existing Command Processor.

NAT6911: Specified object is not a Command Processor.

Text	Specified object is not a Command Processor.
Explanation	In the USING clause of a PROCESS COMMAND statement, you have specified the name of an object which is not a Command Processor.
Action	Use a Command Processor name. Check also your ampersand "&" notation.

NAT6912: Processor :1: not found.

Text	Processor ... not found.
Explanation	In the USING clause of a PROCESS COMMAND statement, you have specified the name of a Command Processor which does not exist.
Action	Specify an existing Command Processor.

NAT6913: Command line not accepted.

Text	Command not accepted.
Explanation	Possible reasons for this error: - the command line is empty - the command line contains special characters (such as underscores).

Action	Correct the command line input.

NAT6914: Invalid use of field :1:.

Text	Invalid use of field ....
Explanation	For valid usage, see the Natural documentation, PROCESS COMMAND statement, ACTION GET/SET and in particular the list of possible values for GETSET-FIELD-NAME.
Action	Correct values.

NAT6915: Contents of field :1: not accepted.

Text	Contents of field ... not accepted.
Explanation	The format/length of the field does not conform to the definitions as listed for the PROCESS COMMAND statement, action SET, in the Natural documentation.
Action	Check format/length of field.

NAT6917: Invalid field name :1: for action :2:.

Text	Invalid field name ... for action ... .
Explanation	There is a conflict between the GETSET-FIELD-NAME used in the GET and the SET actions, or the value used in the SET action is invalid. In case the GET action refers to the LAST-BUFFER, this error indicates that this buffer is not available.

Action	Check program syntax.

NAT6918: Command Data error :1:.

Text	Command Data error ... .
Explanation	This error occurs at runtime when the command line contains data that are in conflict with the Command Processor definition. This might occur, for example, if a delimiter is missing. The data that cannot be interpreted are indicated in the variable ... .
Action	Check command line input against the Command Processor definition and correct error.

NAT6919: Natural Command Processor - security error :1:.

Text	Natural Command Processor - security error ... .
Explanation	This error is caused by Natural Security.
Action	Contact your Natural Security administrator.

NAT6920: Processor :1: not allowed.

Text	Command Processor ... not allowed.
Explanation	You are not authorized to use this Command Processor.
Action	Contact your Natural Security administrator.

NAT6921: Keyword :1: not allowed.

Text	Keyword ... not allowed.
Explanation	You are not authorized to use this keyword.
Action	Contact your Natural Security administrator.

NAT6922: This command is not allowed.

Text	This command is not allowed.
Explanation	You are not authorized to use this command.
Action	Contact your Natural Security administrator.

NAT6923: Inconsistent security definition for Command Processor.

Text	Inconsistent security definition for Command Processor.
Explanation	The command processor was cataloged after the functional security was defined. Therefore the processor and the functional security information don"t match.
Action	Contact your Natural Security administrator.

NAT6925: Cannot :1: PRIVATE synonyms.

Text	Cannot ... PRIVATE synonyms.

Explanation	Either you do not have authorization for this function; or the Command Processor header definition does not permit this function
Action	Contact your Natural Security administrator.

NAT6926: PRIVATE synonym :1: not found.

Text	PRIVATE synonym ... not found.
Explanation	The PRIVATE synonym you have specified cannot be found.
Action	For details on PRIVATE synonyms, see the PROCESS COMMAND statement, PRIVATE clause, in the Natural documentation.

NAT6927: Keyword :1: not found.

Text	Keyword ... not found.
Explanation	This may be because you have not specified the keyword correctly.
Action	Check that you have entered the keyword name correctly, particularly regarding upper and lower case characters, and the length of an abbreviated keyword.

NAT6928: Keyword ... is not used in the correct context.

Text	Keyword ... is not used in the correct context.

Explanation	This is a semantic error. For example, it does not make sense to say: UPDATE DELETE
Action	Check and correct the semantics.

NAT6929: Keyword of type :1: missing.

Text	Keyword of type :1: is missing.
Explanation	The command you issued is missing an essential keyword. Without this keyword the command cannot be interpreted.
Action	Check to see which keywords of the type mentioned can be used together with the keyword(s) entered. Choose the appropriate one.

NAT6930: Keyword sequence error.

Text	Keyword sequence error.
Explanation	You have entered keywords in a sequence other than that specified in the Command Processor header. For example, you may have specified keywords in the order: ACTION OBJECT where the order OBJECT ACTION is required.
Action	Enter keywords in the correct sequence.

NAT6931: This command is not defined.

Text	This command is not defined.
Explanation	You have specified a command that is not defined. For example, you might have entered DELETE CUSTOMER but no such command exists, even though the keywords DELETE and CUSTOMER do exist.
Action	Specify a valid command.

NAT6932: Command Data disallowed.

Text	Command Data disallowed.
Explanation	No data can be entered with this command.
Action	Enter the command without data.

NAT6933: Data element with more than :1: characters found.

Text	Data element with more than :1: characters found.
Explanation	The data element entered contains more than the legal number of characters.
Action	Check the legal range of input for the data element and correct your input.

NAT6934: Data element with non-numeric character :1: found.

Text	Data element contains non-numeric character :1:.
Explanation	A non-numeric character was entered as part of the data element. A data element can contain only numeric characters.
Action	Correct the data element input.

NAT6940: Error :1: in buffer for Natural Command Processor.

Text	Error ... in buffer for Natural Command Processor.
Explanation	This is an unexpected error. NCPWORK cannot be accessed.
Action	Contact technical support.

NAT6942: Invalid GETMAIN request for Natural Command Processor.

Text	Invalid GETMAIN request for Natural Command Processor.
Explanation	NCPWORK cannot be opened. This may be because the thread is exhausted.
Action	Reduce ESIZE/FSIZE. Use the BUS command to find out how much space you have.

NAT6943: GETMAIN failed for :1: KB for Command Processor buffer.

Text	GETMAIN failed for ... KB for Command Processor buffer.
Explanation	There is not enough space in your Natural thread. The value ... indicates the number of KB you cannot request.
Action	Ask your Natural administrator to decrease ESIZE or FSIZE.

NAT6945: Buffer for Natural Command Processor is not allocated.

Text	Buffer for Natural Command Processor is not allocated.
Explanation	Either: The NCPWORK buffer has been overwritten so the GET / SET action cannot be fulfilled. Or: The Command Processor has been closed.
Action	Open the Command Processor using the PROCESS COMMAND statement ACTION EXEC.

114 Natural System Error Messages 6950-6999

NAT6970: Natural RPC initialization failed. RPC not available.

Text	Natural RPC initialization failed. RPC not available.
Explanation	This error message is preceded by an initialization error message. On the client side, the following features are not available: - execution of a remote CALLNAT, - SYSRPC functions SM, XC and PM, - local use of conversations and context variables. On the server side, the termination of the Natural RPC server session is enforced by an implicit ITERM=ON.
Action	Check the previous initialization error.

NAT6971: Connection error on :1:, reason :2: :3:.

Text	Connection error on ..., reason ... .
Explanation	Reason: 1: No transport layer. 2: Connection timed out. 3: Conversation timed out. 4: No space for working storage of broker stub. Increase Natural thread or region size by 35 KB. 5: Data have been truncated. Increase MAXBUFF on server side. 6: Location transparency no longer supported. 7: Node not active. 8: Server not active. 9: Error from transport layer; issue RPCERR for details.

	After the reason, the message displays the server/node in question. With AUTORPC=ON this error may also occur instead of a local NAT0082 error on the client side.
Action	Proceed depending on above reason.

NAT6972: Directory error on :1:, reason :2: :3:.

Text	Directory error on ..., reason ... .
Explanation	A directory error has occurred. Possible reasons are: 1 - No directory. 2 - Invalid directory. 3 - No space to load directory. Increase the RPC size. 4 - No server found in service directory for the subprogram/library whose names are indicated in the error message. 5 - Recursive RPC with the two subprograms whose names are indicated in the error message. 6 - A Natural error has occurred during loading of NATCLTGS. The error number is indicated in the error message. With AUTORPC=ON this error may also occur instead of a local NAT0082 error on the client side.
Action	Proceed depending on above reason.

NAT6973: Conversation error on :1:, reason :2: :3:.

Text	Conversation error on ..., reason ... .
Explanation	Reason: 1: Too many subprograms for OPEN CONVERSATION. 2: Invalid subprogram name. 3: RPC size overflow. Increase RPC size. 4: Mixed local/remote CALLNAT within one conversation (program). It is not possible to execute subprograms that are members of one conversation partially remote and local. 5: Recursive conversation. It is not possible to execute a subprogram that is a member of a conversation while you are executing a subprogram within that conversation. 6: Conversation to be closed not found. 7: Conversation ID to be closed is not valid. 8: CLOSE CONVERSATION executed inside a local conversation.

	It is not possible to close a conversation while you are executing a subprogram within that conversation.
Action	Proceed depending on above reason.

NAT6974: Conversion error on :1:, reason :2: :3:.

Text	Conversion error on :1:, reason :2: :3:.
Explanation	Reason: 1: Variables of type CONTROL and HANDLE and extensible lower bounds in X-arrays not supported. 2: Error converting to external format of parameter :3:. 3: Error converting to internal format of parameter :3:. 4: No space for conversion to internal format of parameter :3:. Increase MAXBUFF on :1: side. 5: No space for conversion to external format of parameter :3:. Increase MAXBUFF on :1: side. 6: Format buffer error for parameter :3:. 7: No space. Increase region/thread size (MF) or USIZE (LUW). 8: No MAXBUFF defined on client side, but RPC is used. 10: AD=M (inout) or AD=A (in) parameter used with reliable RPC. 11: The used interface object does not support reliable RPC. Regenerate interface object with latest Natural version.
Action	Proceed depending on above reason.

NAT6975: Security error on :1:, reason :2: :3:.

Text	Security error on ..., reason ... .
Explanation	Reason: 1: Logon data required by the Natural RPC server. 2: Invalid logon data received by the Natural RPC server. After the reason, diagnostic information is indicated in the message. 3: Invalid offset to the logon data in the RPC meta data. 4: Impersonation failed for the user indicated in the message. The external security system has rejected the logon attempt of the user. The reason is shown in the Natural RPC server trace and in the system log of the server.

Action	Reason: 1: Pass logon data from the client to the Natural RPC server. 2,3: Contact technical support. 4: Pass logon data that is valid for your security system.

NAT6976: Context error on :1:, reason :2: :3:.

Text	Context error on ..., reason ... .
Explanation	Reason: 1: Context size overflow. The storage for the variables of the DEFINE DATA CONTEXT statement could not be allocated. On z/OS environments, the CONTEXT buffer could not be allocated or increased. This is either caused by storage restrictions of the operating or TP system, or by Natural environment constraints (Natural profile parameter OVSIZE, NATCONFG table entry NTBUFID for CONTEXT buffer). On Windows and Linux systems, the USIZE buffer was not large enough to fulfil the storage request. 2: Conflict in format/length definition of a variable. The context variable whose name is shown in the error message was defined in a previous program with a different format/length.
Action	Reason: 1: Decrease number of context variables and/or number of concurrent conversations, or remove storage contraints. 2: Correct format/length of context variable.

NAT6977: EntireX RPC error on :1:, reason :2: :3:.

Text	EntireX RPC error on ..., reason ... .
Explanation	An EntireX RPC error has occurred. The reason shows the EntireX RPC error number, optionally followed by additional diagnostic information. This error can only occur if a Natural client is communicating with an EntireX RPC server.

Action	Refer to the EntireX Communicator messages and codes.

NAT6978: RPC protocol error on :1:, reason :2: :3:.

Text	RPC protocol error on ..., reason ... .
Explanation	Reason: 2: The Server does not support the RPC protocol version used by the RPC client. Or: The client does not support the RPC protocol version used by the client interface object (stub subprogram). After the reason, the unsupported version is shown in the message. 3: The RPC protocol header or RPC format buffer is invalid. After the reason, the corresponding EntireX error number is shown in the message. In the case of format buffer errors, the erroneous element is appended to the error number.
Action	Use the correct RPC protocol version. Refer to the EntireX messages.

NAT6979: Premature termination of a remote CALLNAT.

Text	Premature termination of a remote CALLNAT.
Explanation	The remote execution of a CALLNAT was prematurely terminated on the server side and all data of the parameter area were lost. The reason for this may be the use of one of the following Natural statements: - STOP - FETCH - ESCAPE BOTTOM outside of a processing loop - RUN - TERMINATE

Action	Do not use one of the listed statements in a remotely executed CALLNAT.

115 Natural System Error Messages 7000-7049

NAT7000: Invalid value specified for dynamic parameter :1:.

Text	Invalid value specified for dynamic parameter ....
Explanation	You have specified a value for a dynamic parameter incorrectly. For information on valid values for this Natural profile parameter, see the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7001: Value for dynamic parameter :1: must be :2:-:3:.

Text	Value for dynamic parameter ... must be ...-....
Explanation	You have specified a value for a dynamic parameter incorrectly. A valid value for this parameter must be in the range as indicated in the error message.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7002: Value for dynamic parameter :1: must be :2:-:3: or 0.

Text	Value for dynamic parameter ... must be ...-... or 0.
Explanation	You have specified a value for a dynamic parameter incorrectly. A valid value for this parameter must be either "0" or in the range as indicated in the error message.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7003: Value for dynamic parameter :1: must be 1 special character.

Text	Value for dynamic parameter ... must be 1 special character.
Explanation	You have specified a value for a dynamic parameter incorrectly. A valid value for this parameter must be a single special character. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7004: Value for dynamic parameter :1: must be numeric.

Text	Value for dynamic parameter ... must be numeric.
Explanation	You have specified a value for a dynamic parameter incorrectly. For this parameter, a numeric value must be specified. For further information on Natural profile parameters, please refer to the Natural documentation.

Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7005: Value for dynamic parameter :1: must be :2: characters.

Text	Value for dynamic parameter ... must be ... characters.
Explanation	You have specified a value for a dynamic parameter incorrectly. A valid value for this parameter must be a name of 1 to n characters. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7006: Value for dynamic parameter :1: must be 1 character.

Text	Value for dynamic parameter ... must be 1 character.
Explanation	You have specified a value for a dynamic parameter incorrectly. A valid value for this parameter must be a single character. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7007: Value for dynamic parameter :1: must be :2: or :3:.

Text	Value for dynamic parameter ... must be ... or ....

Explanation	You have specified a value for a dynamic parameter incorrectly. For this parameter, you must specify one of the two value as indicated in the error message.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7008: Parameter :1: non-existent or not allowed dynamically.

Text	Parameter ... non-existent or not allowed dynamically.
Explanation	You have specified an invalid Natural profile parameter dynamically. The reason may be one of the following: - You have misspelt a parameter name. - You have specified a parameter which does not exist (or is obsolete and no longer exists). - You have specified a parameter which must not be used dynamically. - The specified parameter cannot be used in this environment. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7009: Element missing in value list for parameter :1:.

Text	Element missing in value list for parameter ....
Explanation	You have specified the values for a dynamic parameter incorrectly. For this parameter, you must specify a list of several values; however, one or more of the values were missing. For further information on valid values for this Natural profile parameter, please refer to the Natural documentation.

Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7010: Too many elements in value list for parameter :1:.

Text	Too many elements in value list for parameter ....
Explanation	You have specified the values for a dynamic parameter incorrectly. For this parameter, you must specify a list of several values; however, you have specified too many values. For further information on valid values for this Natural profile parameter, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7011: ")" missing after values list for parameter :1:.

Text	")" missing after values list for parameter ....
Explanation	You have specified the values for a dynamic parameter incorrectly. For this parameter, you must specify a list of values which must be enclosed in parentheses; however, the closing parenthesis at the end of the values list is missing.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7012: Value for parameter :1: must be a list of elements.

Text	Value for parameter ... must be a list of elements.

Explanation	You have specified the values for a dynamic parameter incorrectly. For this parameter, you must specify a list of several values. For further information on valid values for this Natural profile parameter, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7013: The parameter module :1: does not exist.

Text	The parameter module ... does not exist.
Explanation	You have specified the name of a parameter module; however, a parameter module of this name does not exist.
Action	Use valid parameter module name; if necessary, contact your Natural administrator.

NAT7014: The parameter module :1: is invalid.

Text	The parameter module ... is invalid.
Explanation	The specified parameter module is invalid for one of the following reasons: - It is not a parameter module at all. - It was assembled against a Natural macro library of an older version or an older maintenance level. - It is restricted to certain users by the NTUSER macro.
Action	Ensure that you have specified a valid parameter module. If necessary, contact your Natural administrator.

NAT7015: Value for dynamic parameter :1: must be hexadecimal.

Text	Value for dynamic parameter ... must be hexadecimal.
Explanation	You have specified the value for a dynamic parameter incorrectly. A valid value for this parameter must be hexadecimal. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7016: Parameter :1: may only be specified up to :2: times.

Text	Parameter ... may only be specified up to ... times.
Explanation	You have invoked Natural with a dynamic parameter which may be specified several times. However, you have specified the parameter too often. For further information on Natural profile parameters, please refer to the Natural documentation.
Action	Either ignore, or invoke Natural again with correct specification of dynamic parameters.

NAT7017: User ID :1: not authorized to use this parameter string.

Text	User ID ... not authorized to use this parameter string.
Explanation	The parameter string used is restricted to certain user IDs. The initial user ID passed from the environment doesn"t match with one of the user IDs specified by the USER profile parameter in the string.

Action	Add your user ID to the USER parameter list in the desired parameter string or use an authorized user ID.

NAT7018: Delimiter */ missing at end of profile parameter comment.

Text	Ending profile parameter comment delimiter */ missing.
Explanation	The dynamic profile parameter string contains a start comment delimiter "/*" but no end comment delimiter "*/" was found. All data after the start comment delimiter is ignored.
Action	Insert an end comment delimiter in the parameter string.

NAT7019: Code page :1: invalid or not defined.

Text	Code page ... invalid or not defined.
Explanation	The code-page name specified by profile parameter CP was not found in the Natural code-page table in the module NATCONFG, or it cannot be used because MULTI=ON in macro NTCPAGE indicates a multiple-byte code page, i.e. one character may be represented by more than one byte. All valid code-page names have to be predefined by macro NTCPAGE in the source module NATCONFG. Only single-byte character code-pages can be used for character translation.
Action	Correct the value for profile parameter CP, or add the desired code-page name to the Natural code-page table in NATCONFG.

NAT7020: Value for dynamic parameter :1: already used by :2:.

Text	Value for dynamic parameter ... already used by ....

Explanation	The following profile parameters must have four different values: DC, IA, ID and STACKD.
Action	Change the profile parameter values accordingly.

NAT7021: Character translation parameter :1: ignored due to CFICU=ON.

Text	Character translation parameter ... ignored due to CFICU=ON.
Explanation	A character translation parameter was specified in the Natural parameter module with one of the following macros: NTTAB, NTUTAB1, NTUTAB2, NTSCTAB, NTTABL, or by the indicated dynamic profile parameter. Unicode support is activated, which performs the character translation instead. Therefore the indicated character translation parameter is ignored.
Action	To avoid this message, either remove the character translation parameter or deactivate Unicode support (parameter CFICU=OFF). If CFICU=ON is desired, test your applications for correct character translation.

NAT7022: Code page support requires parameter setting CFICU=ON.

Text	Code page support requires parameter setting CFICU=ON.
Explanation	The profile parameter CP has been set to a value different to from default (OFF) for code page support, but parameter CFICU=OFF is set. Code page support requires ICU support. Therefore the CFICU setting has been changed to ON and the session continues.
Action	To avoid this error, set either the parameter CFICU=ON or the parameter CP=OFF, depending on whether you want code page support or not.

NAT7023: Optimized code must not be executed with COLLATE=ON.

Text	Optimized code must not be executed with COLLATE=ON.
Explanation	For performance reasons, optimized code uses a simplified algorithm not taking into account local collation services. If local collation services are used, this may lead to wrong results of string comparisons.
Action	Check if local collation services are used. If not, set COLLATE to ON; if yes, recatalog the program with the NOC option UNICC set to OFF.

NAT7024: Variable of type N/P does not contain numeric data.

Text	Variable of type N/P does not contain numeric data.
Explanation	When the Natural Optimizer Compiler (NOC) is used to compile a program and option ARCH=10 or 11 is set, special fast "Decimal-Floating-Point" machine instructions are generated for arithmetic calculations. These operations are more sensitive for invalid numeric data than the code generated for ARCH=9 (or lower) or ARCH=12. Using ARCH=10 or 11 requires clean data in N/P type variables. For type N variables, please be sure to have - valid numeric digits (0-9) in all right-halfbytes; - a valid sign (A-F) in the left-halfbyte of the last byte. For type P variables, please be sure to have - valid numeric digits (0-9) in all halfbytes, except the last one; - a valid sign (A-F) in the right-halfbyte of the last byte.
Action	Correct the contents of the N/P variables or do not use ARCH=10/11.

NAT7029: Following session init error(s) occurred for (:1:/:2:) >>

Text	Following session init error(s) occurred for (transaction/user) >>

Explanation	At session start, one or more parameter initialization errors have occurred. Due to the IMSGLOG setting, all or some of these errors were not signalled to the terminal (Online) or SYSOUT (Batch), but send to the job log of the underlying system. For more info, please refer to the functional description of parameter IMSGLOG. If running Online (CICS/Complete) the transaction name and the User-Id is indicated. When running in Batch, these items are left out.

NAT7030: Pre-initialized thread :1: could not be saved (:2:).

Text	Pre-initialized thread :1: could not be saved (:2:).
Explanation	The pre-initialized thread could not be saved. Either one of the prerequisites isn"t fulfilled or any error has occurred. :1: Name of pre-initialized thread storage (profile parameter THPINIT) :2: Character string and reason code indicating the error cause: NOTHREAD - this is no thread environment NOSPACE - not enough storage available to save the thread COMPERR .... - thread compression error X"...." occurred ROLLALC .... - thread roll-alloc error number X"...." has occurred ROLLOUT .... - thread roll-out error number X"...." has occurred
Action	Correct the error and restart the session. Contact technical support if necessary. For NOTHREAD you can use profile parameter THSIZE to have a thread.

NAT7043: Value for dynamic parameter KEY incorrectly specified.

Text	Value for dynamic parameter KEY incorrectly specified.
Explanation	Either the specified the function-key name waswrong or not defined, or the specified function-key value was wrong. Examples of valid KEY parameter specifications are: KEY=(OFF) - releases all keys defined in parameter module. KEY=(ON) - takes all keys defined in parameter module. KEY=(PF1=OFF) - ignores the PF1 value defined in parameter module. KEY=(PF1=LOGON) - replaces the PF1 value defined in parameter module. KEY=(PF1="LOGON SYSTEM",PF2="L PROGRAM") - replaces PF1 and PF2 values defined in parameter module.

Action	Restart Natural with a valid specification of the KEY parameter.

NAT7046: NSC license check failed (:1:).

Text	NSC license check failed (...).
Explanation	The license check for Natural Security (NSC) has failed, due to reason: -2: The license file NSCLIC could not be located. The Natural session is not started and terminates instantly. 04,08: The license check detected only minor violations; these can be considered as WARNING messages. The Natural session continues normally. 12,16: The license check detected significant violations. The Natural session is not started and terminates instantly. Further messages follow, explaining the details.
Action	Provide a valid NSC license file.

NAT7047: NMQ License check failed (:1:).

Text	NMQ License check failed (:1:).
Explanation	During initialization of Natural for MQ for z/OS, the license check failed with the return code presented in (:1:). The NMQ session will not be initiated for return codes less than 0 or greater 8. Possible return code values and their meanings are:. 0 License check was successful. 4 Warning message has been issued. Product can continue. 8 Warning message has been issued. Product can continue. 12 License check failed, Error message has been issued. 16 Severe error occurred. -1 Function LICS is not implemented in NATMPP. -2 License module not found for specified product code. -3 License check is not performed.

NAT7048: NOC license check failed (:1:).

Text	NOC license check failed (...).
Explanation	The license check for sub-product NOC has failed, due to reason: -2: The license file NOCLIC could not be located. All NOC code generation was disabled, i.e. MCG=OFF enforced. 04,08: The license check detected only minor violations; these can be considered as WARNING messages. The NOC code generation remains fully in operation. 12,16: The license check detected significant violations. All NOC code generation was disabled, i.e. MCG=OFF enforced. Further messages follow, explaining the details. This message is suppressed at session start if either parameter IMSG=OFF is set or NOC options are MCG=OFF or blank.
Action	Provide a valid NOC license file or set NOC options to MCG=OFF.

NAT7049: NOC code generation rejected, due to NOC license failure (:1:).

Text	NOC code generation rejected, due to NOC license failure (xx/yyyyy).
Explanation	The license check for sub-product NOC has failed. The Optimizer Compiler parameter was automaticaly set to "MCG=OFF". All programs compiled (CAT,STOW,CATALL) are created without optimized machine code. If however, "OPTIONS MCG=.." statements are contained in the source code, this error is issued. The dynamic part indicates the license check result xx: 02 = License not found. 12 = License check failure. yyyyy: the number of optimized statements generated, due to OPTIONS MCG=.. in the source code. A detailed description of the license errors can be viewed inside command NOCOPT.

Action	Either provide a valid NOC license file, or remove all "OPTIONS MCG=.." statements from the programs compiled.

116 Natural System Error Messages 7050-7099

NAT7050: The product license is invalid (:1:).

Text	The product license is invalid (...).
Explanation	An error has been detected in the product license. The type of error is indicated in brackets. It can be one of the following: ASCII - invalid ASCII character found. COMPID - invalid component ID. EBCDIC - invalid EBCDIC character found. END - invalid license data end. LENGTH - invalid length of license data.
Action	Generate and link a correct license module. If you have no correct license file, contact technical support.

NAT7051: The product license key is invalid.

Text	The product license key is invalid.
Explanation	The license key defined in the product license module does not match the other data in the module. Either the data or the key has been modified or generated incorrectly.

Action	Generate and link a correct license module. If you have no correct license file, please contact technical support.

NAT7052: The product license is not for :1:.

Text	The product license is not for ....
Explanation	The product license is not valid for ... , which can be one of the following: - product code "NAT" - product major and minor version "AA.II" (Natural m(A)jor version AA, m(I)nor version II); - operating system "zOS".
Action	Check the product version and the operating system in your license file. If you do not have a license file that matches your environment, contact technical support.

NAT7053: The product license has expired on :1:.

Text	The product license has expired on ....
Explanation	The product license has expired on ... (YYYY/MM/DD) and is no longer valid. The session cannot start without a valid product license.
Action	Generate and link a correct license module. If you have no correct license file, please contact technical support.

NAT7055: CPU-ID :1: is not defined in your product license.

Text	CPU-ID ... is not defined in your product license.

Explanation	The serial number ... of your CPU is not defined in your product license.
Action	Please contact technical support and request a valid license file for your CPUs.

NAT7056: LPAR name :1: is not defined in your product license.

Text	LPAR name ... is not defined in your product license.
Explanation	The price model in your license is "LPAR", but the current name ... of your system does not match one of the LPARs defined in your license.
Action	Please contact technical support and request a valid license file for your LPARs.

NAT7057: Machine capacity :1: higher than MSUs in product license.

Text	Machine capacity ... higher than MSUs in product license.
Explanation	The current capacity ... of your machine or partition is higher than the machine service units (MSUs) defined by the <MSU> tag in your product license.
Action	Contact technical support and request a license file with a MSU value according your requirements.

NAT7058: The product license will expire on :1:.

Text	The product license will expire on ....

Explanation	Your product license has the expiration date ... (YYYY/MM/DD). Warning: After this date, Natural cannot be started with this license.
Action	Please contact technical support and request a new license file with another or without an expiration date.

NAT7059: CPU-ID :1: assumed as your DR or DR testing environment.

Text	CPU-ID ... assumed as your DR or DR testing environment.
Explanation	The serial number ... of your CPU is not defined in your product license. A Disaster Recovery (DR) scenario is assumed.
Action	Contact technical support and request a valid license file for your disaster recovery CPUs.

NAT7060: Tag :1: missing in product license.

Text	Tag ... missing in product license.
Explanation	The indicated tag is missing in your product license.
Action	Please contact your sales representative and request a valid product license file which contains the indicated tag.

NAT7061: Invalid tag value :1: in product license.

Text	Invalid value for tag :1: in product license.

Explanation	The value of the indicated tag in your product license is invalid.
Action	Contact your sales representative and request a valid product license file which contains a correct value for the indicated tag.

NAT7062: Current CPU-ID not found for product license check.

Text	Current CPU-ID not found for product license check.
Explanation	The current CPU-ID of your machine cannot be located.
Action	Please contact technical support for further problem investigation.

NAT7063: Incorrect number of MSU values in product license.

Text	Incorrect number of MSU values in product license.
Explanation	The number of items in the <MSU> list does not correspond to the number of CPU-IDs in the <CPUIDs> list.
Action	Contact technical support and request a valid license file which contains the same number of MSUs and CPU-IDs.

NAT7064: Extended Rights setting :1: not allowed under this system.

Text	Extended Rights setting ... not allowed under this system.
Explanation	The Extended Rights setting ... in your product license is not allowed under your operating system or operating-system version. It can be used only under z/OS 1.11 and above.

Action	Please contact technical support and request a valid license file for your operating system.

NAT7065: Soft capping is not allowed with <ExtendedRights> LP1.

Text	Soft capping is not allowed with <ExtendedRights> LP1.
Explanation	The tag <ExtendedRights> in your product license is set to LP1. This setting is not allowed, because your operating system runs with soft capping.
Action	Please contact technical support and request a valid license file for your operating system, or switch off soft capping.

NAT7069: Internal LICMAIN error :1:.

Text	Internal LICMAIN error :1:.
Explanation	During the check of your product license a severe error has been detected. It can be one of the following: - Invalid LCPCB length - Work area too small - Invalid function code or operating system - Invalid product code, product version or current date - Tag not found - Component ID tag not found - Invalid search tag - Insufficient I/O area size - Output record length too small - Error message text not found - Too many errors occurred
Action	Contact technical support for further problem investigation.

NAT7070: :1: zIIP support successfully enabled.

Text	... zIIP support successfully enabled.
Explanation	Natural zIIP support was successfully enabled. "Advanced" means, that Natural runs on zIIP as often as possible. "Standard" means, that only some parts of Natural, e.g. XML parsing, run on zIIP. Currently this mode is not supported.
Action	None.

NAT7071: zIIP support not enabled due to :1:.

Text	zIIP support not enabled due to ....
Explanation	The Natural zIIP support cannot be enabled due to one of the following: NATASM The Natural Authorized Service Manager is not active or it of an old version which does not have zIIP support. LICVAL The length of the NAZ license is invalid. LICERR The NAZ license check has failed. MEMORY Not enough memory to allocate the zIIP work area. NATVER The Natural nucleus does not correspond to the version of the Authorized Service Manager (NATASMnn).
Action	NATASM: Ensure that the latest NATASM is installed and active and the SUBSID profile parameter is set correctly. LIC...: Request a correct license file and install it.

NAT7072: Natural zIIP support not activated due to NAZ license errors.

Text	Natural zIIP support not activated due to NAZ license errors.
Explanation	The zIIP license check has found one or more errors, which are shown following this message. Therefore the Natural zIIP support cannot be activated.

Action	Your NAZ license is unsufficient for the current environment. Please check the following license check errors for more information.

NAT7073: Defined hardware class in the license exceeded (:1:).

Text	Defined hardware class in the license exceeded (...).
Explanation	Your machine exceeds the hardware class defined in your zIIP license. The machine type is indicated at the end of the message.
Action	Please contact technical support and request a valid license file for your machine type.

NAT7074: The number of zIIPs (:1:) exceeds the license definition.

Text	The number of zIIPs (...) exceeds the license definition.
Explanation	Your machine has more zIIP processors than allowed by the zIIP license definition. The actual number of zIIPs is indicated in the message.
Action	Please contact technical support and request a valid license file which has defined a sufficient number of zIIPs for your machine.

NAT7075: The number of zIIP values in the product license is incorrect.

117 Natural System Error Messages 7200-7249

NAT7200: NATSPOOL: :1: error :2: accessing spool file.

Text	NATSPOOL: ... error ... accessing spool file.
Explanation	Adabas/VSAM response code upon call to NATSPOOL file at Natural initialization time was not "0". Possible reasons are: - The FSPOOL parameter is missing in the Natural parameter module. - The NATSPOOL file, as defined in FSPOOL, may not be loaded. - The NATSPOOL file, as defined in FSPOOL, may not be open. - DD/DLBL statements of NATSPOOL (VSAM) files are missing in CICS startup job.
Action	Check status of NATSPOOL file and/or CICS startup job.

NAT7201: NATSPOOL: User profile :1: not found.

Text	NATSPOOL: User profile ... not found.
Explanation	The user profile, as defined in the printer parameter, has not been added to the SYSPOOL file.

Action	Define the user profile by using function "U" of the NATSPOOL operator commands.

NAT7202: NATSPOOL: Logical printer profile :1: not found.

Text	NATSPOOL: Logical printer profile ... not found.
Explanation	One of the logical printer profiles, contained in the currently active user profile, is not defined on the NATSPOOL file.
Action	Define the logical printer profile by using function "L" of the NATSPOOL operator commands.

118 Natural System Error Messages 7350-7399

NAT7380: NDZ server ":1:" is not available.

Text	NDZ server ":1:" is not available.
Explanation	The Natural for Db2 for zIIP server specified in the parameter NDZSRV is not available. Start the NDZ server and execute the program again. For more details check the Natural for Db2 for zIIP documentation.
Action	Contact your Natural administrator.

NAT7381: NDZ initialization error :1: with reason :2:.

Text	NDZ initialization error :1: with reason :2:.
Explanation	The initialization of the Natural for Db2 for zIIP failed, returning the return code and reason code as indicated in the error message. The return codes and their meanings are: 01 - TBD...
Action	Contact your Natural administrator.

NAT7382: Natural SQL interface active without Natural for Db2 for zIIP.

Text	Natural SQL interface active without Natural for Db2 for zIIP.
Explanation	This error message is preceded by an initialization error of the Natural for Db2 for zIIP. NDZ is not available for this Natural session, but SQL statements will be processed as normal.

NAT7384: Dynamic SQL trace buffer not available (:1:).

NAT7385: Natural SQL interface continues without dynamic SQL trace.

NAT7386: Invalid :1: service pack :2: must be at least :3:.

Text	Invalid :1: service pack :2: must be at least :3:.
Explanation	The service pack of the component (:1:) must be at least as indicated.
Action	Contact your Natural administrator. Install the correct service pack.

NAT7387: The Natural for Db2 parameter module is not linked.

Text	The Natural for Db2 parameter module is not linked.
Explanation	This may also indicate that you are using an old version of the Natural parameter module (must be at least 2.2.4).
Action	Contact your Natural administrator. Link the Natural for Db2 parameter module to your Natural environment.

NAT7388: Natural SQL interface not active. SQL calls not possible.

Text	Natural SQL interface not active. No SQL calls can be processed.
Explanation	This error message is preceded by an initialization error message.
Action	Check for previous initialization error.

NAT7389: Natural SQL interface active without file server.

Text	Natural SQL interface active without file server.
Explanation	This error message is preceeded by an initialization error of the file server. The file server is not available for this Natural session but SQL statements will be processed as normal.

NAT7390: :1: not linked / not found.

Text	... not linked / not found.
Explanation	The required module ... is not linked to your Natural environment.
Action	Contact your Natural administrator. Check your installation.

NAT7391: DB2SIZE parameter must be set to at least :1:.

Text	DB2SIZE parameter must be set to at least ....

Explanation	The area specified with the DB2SIZE parameter is too small to accommodate all buffer areas required by Natural Db2 / Natural SQL/DS.
Action	Set DB2SIZE to the value as indicated in the error message; then invoke Natural again.

NAT7392: GETMAIN for DB2SIZE failed.

Text	GETMAIN for DB2SIZE failed.
Explanation	During Natural initialization, the GETMAIN for the buffer area specified by the DB2SIZE parameter failed. The probable reason is that not enough free storage is available or that the thread is too small.
Action	Reduce Natural"s total area size allocations, or increase the region size.

NAT7393: File server initialization error :1:.

Text	File server initialization error ....
Explanation	The initialization of the file server failed, returning the reason code as indicated in the error message. Possible reason codes and their meanings are: 01 - Global directory full. 04 - Dataset open error. 05 - Dataset read error. 06 - Dataset write error. 07 - ENQUEUE failed. 08 - DEQUEUE failed. 10 - DB2SIZE too small. 11 - System GETMAIN failed. 12 - System FREEMAIN failed. 13 - WAIT request failed. 14 - Not enough space in dataset.

Action	Contact your Natural administrator.

NAT7394: NDB License check failed (:1:).

Text	NDB License check failed (:1:).
Explanation	During initialization of Natural for Db2 for z/OS, the license check failed with the return code presented in (:1:). The NDB session will not be initiated for return codes less than 0 or greater 8. Possible return code values and their meanings are:. 0 License check was successful. 4 Warning message has been issued. Product can continue. 8 Warning message has been issued. Product can continue. 12 License check failed, Error message has been issued. 16 Severe error occurred. -1 Function LICS is not implemented in NATMPP -2 License module not found for specified product code.
Action	Contact your Natural administrator.

NAT7395: Natural must be started via NDLSINIB in DSNMTV01.

Text	Natural must be started via NDLSINIB in DSNMTV01.
Explanation	In the DSNMTV01 environment all ET/BT calls are to be processed by NDLSINIB, but Natural has not been started via the NDLSINIB bootstrap module.
Action	Start Natural via the NDLSINIB bootstrap module.

NAT7396: User area has been modified.

Text	User area has been modified.
Explanation	Natural checks the contents of the user area at regular intervals. When this area has been overwritten, Natural cannot guarantee correct continuation of the Natural session.
Action	Restart Natural.

NAT7397: System file has been modified.

Text	System file has been modified.
Explanation	Natural checks the integrity of the Natural system file. If Natural detects a discrepancy, this error message is issued. The DBA should try to find out who or why data have been modified in the system file without proper authorization.
Action	Re-INPL the Natural system file.

NAT7398: Natural nucleus Service Pack does not agree with system file.

Text	Natural nucleus Service Pack does not agree with system file.
Explanation	During startup, Natural checks whether the system file agrees with the Natural nucleus in major version, minor version and service pack. If these versions do not agree, it is highly likely that some system programs will not work.
Action	Restart Natural with the correct system file.

NAT7399: Natural system file information missing.

Text	Natural system file information missing.
Explanation	1) During startup, Natural checks the system file information for validity. Natural could not find any system file information. Either the system file specified with the profile parameter FNAT is not a valid system file, or the system file has been corrupted by unauthorized access. 2) If this error occurs using the Natural editor, there may be a locking problem because your NDV installation may not be completed. Re-start your Natural session with a valid FDIC system file defined.
Action	Restart Natural with a correct system file.

119 Natural System Error Messages 7400-7449

NAT7402: No dynamic parameters allowed.

Text	No dynamic parameters allowed.
Explanation	The Natural admininstrator has specified in the default parameter settings for all Natural sessions that parameters cannot be specified dynamically. All dynamic parameters are ignored.
Action	Start Natural without parameters.

NAT7403: Specified profile :1: not found. DB/FNR :2:/:3:.

Text	Specified profile ... not found. DB/FNR .../....
Explanation	Natural should start with a given parameter profile, but it could not be found in the specified system file.
Action	Check the profile definition and the system file using the SYSPARM utility.

NAT7404: Automatic time adjustment (TD=AUTO) failed.

Text	Automatic time adjustment (TD=AUTO) failed.
Explanation	When the parameter TD=AUTO is set, Natural uses the difference between physical machine time and logical machine time to set the value for the TD (time differential) parameter. While trying to do this, however, an inconsistency between the times to be evaluated has been detected. The time differential has been set to TD=0.
Action	Contact technical support.

NAT7405: Product of LS and PS parameters must not exceed 32760.

Text	Product of LS and PS parameters must not exceed 32760.
Explanation	The product of the values for the parameter LS and PS must not exceed 32760.
Action	Specify smaller value for LS and/or PS parameter.

NAT7406: Error when reading profile :1:. DB/FNR/RSP :2:/:3:/:4:.

Text	Error when reading profile .... DB/FNR/RSP .../.../....
Explanation	Natural should start with a given parameter profile, but a database error occurred when reading it.
Action	Check the database response code, the profile definition and the system file using the SYSPARM utility.

NAT7407: Time zone :1: not defined.

Text	Time zone ... not defined.
Explanation	The time zone defined in the Natural parameter module (with the profile parameter TD) or in Natural Security is not predefined in the Natural configuration module NATCONFG.
Action	Define the time zone in the Natural configuration module NATCONFG.

120 Natural System Error Messages 7500-7549

NAT7508: Compression table full.

Text	Compression table full.
Action	Increase value of CMPRTSZ parameter in Natural parameter module.

NAT7509: GETMAIN failed for Entire.

Text	GETMAIN failed for Entire.
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7510: GETMAIN failed for CON-NECT.

Text	GETMAIN failed for CON-NECT.

Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7511: GETMAIN failed for TRS.

Text	GETMAIN failed for TRS.
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7512: GETMAIN failed for VSAM.

Text	GETMAIN failed for VSAM.
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7513: GETMAIN failed for EDITOR.

Text	GETMAIN failed for EDITOR.
Explanation	The subsystem using the corresponding buffer will not be able to run.

Action	Restart Natural in a larger environment.

NAT7514: GETMAIN failed for PROCESS (ASIZE).

Text	GETMAIN failed for PROCESS (ASIZE).
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment: Increase your region size or increase the size of your Natural thread when running in a thread environment.

NAT7515: GETMAIN failed for DEBUG.

Text	GETMAIN failed for DEBUG.
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7516: GETMAIN failed for PC-CONNECTION.

Text	GETMAIN failed for PC-CONNECTION.
Explanation	The subsystem using the corresponding buffer will not be able to run.
Action	Restart Natural in a larger environment.

NAT7540: GETMAIN failed for Db2.

Text	GETMAIN failed for Db2.

NAT7543: GETMAIN failed for USERBUF buffer.

Text	GETMAIN failed for USERBUF buffer.

NAT7544: GETMAIN request failed for :1:.

Text	GETMAIN request failed for ....
Explanation	The requested buffer size exceeded the available space in the current thread/partition/region/task.
Action	Either decrease the size of the buffer, or start Natural in a larger thread/partition/region/task.

NAT7545: GETMAIN of :1: for :2: buffer failed (:3:/:4:).

Text	GETMAIN of ... for ... buffer failed (reason/response).
Explanation	The requested buffer size exceeds the available space in the current thread/partition/region/task. Possible reason/response codes: (04/0) Upper thread limit exceeded. (52/n) Non-zero response code n from operating (sub-)system GETMAIN. (56/n) Thread overflow size OVSIZE exceeded, where n indicates the overrun size in KB. For any other reason code, please refer to the Natural messages and codes documentation.

Action	Either decrease the size of the buffer, or start Natural in a larger thread/partition/region/task, or if (56/n) increase OVSIZE by at least n.

NAT7546: FREEMAIN for :1: buffer failed (:2:/:3:).

Text	FREEMAIN for ... buffer failed (reason/response).
Explanation	An internal error has occurred. For an explanation of the reason/response code, see the Natural messages and codes documentation.
Action	Please contact technical support.

NAT7547: GETMAIN failed for :1: buffer - :2: unavailable.

Text	GETMAIN failed for ... buffer - :2: unavailable.
Explanation	The aquisition of an optional buffer has failed. The component using this buffer will be not available.
Action	Increase the thread/region size or decrease other buffer sizes to get more storage available. Then restart the Natural session.

NAT7548: :1: unavailable, reason/reason code :2:/:3:.

Text	... unavailable, reason/reason code .../....
Explanation	The indicated Natural component is not available. Possible reasons are that a subcomponent or a module required to execute the component is not available or not accessible. Possible reason codes are: 04 - Initialization failed. 08 - GETMAIN failed. 12 - Module could not be loaded. 16 - Module has not been linked to Natural. 20 - Subcomponent does not run with this Natural version

Action	Contact your Natural administrator.

121 Natural System Error Messages 7600-7649

NAT7600: :1: locked by :2:.

Text	Object is locked.
Explanation	The object to be locked is already locked, for example, because another user is editing the object.
Action	Wait until the object is available again. If the lock is erroneous (e.g. after a system failure), use the Natural system command UNLOCK to unlock the object.

NAT7601: Error in Application Manager.

Text	Error in Application Manager.
Explanation	An error has occurred in the Application Manager.

NAT7602: Locking conflict: object is not locked.

Text	Locking conflict: object is not locked.
Explanation	Either your networking software has an error, or Natural attempted to release an object which it expected to be locked.
Action	Check your environment.

122 Natural System Error Messages 7650-7699

NAT7660: Connect to server :1: port :2: failed; socket code :3:.

Text	Connect to server ... port ... failed; socket code ....
Explanation	A connection to the development server failed due to one of the following reasons: - A wrong development server name was specified. - The specified port ID does not match the port where the development server is listening. - The development server is not active. - The server machine hosting the development server is not active.
Action	Check that the specified name matches the development server name, the development server is active, its port matches the specified port, and the server machine is accessible (e.g. via "ping" command).

NAT7661: Protocol mismatch of Server Nat :1: (:2:) and Nat Studio (:3:)

Text	Protocol mismatch of Server Nat ... (...) and Nat Studio (...)
Explanation	The protocol versions of the Natural Development Server and the Natural Studio do not match. Although the Natural Studio can run with servers using an older or newer version of the protocol, some functionality might not or only partly be supported.

Action	Upgrade the Natural Development Server or the Natural Studio.

NAT7662: Development server file for application :1: not unique.

Text	Development server file for application ... not unique.
Explanation	The specified development server file differs from the active development server file. All mapped applications have to use one common development server file.
Action	Change the development server file for the current application.

NAT7663: Connection to NDV server lost or network failure.

Text	Connection to NDV server lost or network failure.
Explanation	The remote Natural session or the Natural Development Server (NDV) has terminated abnormally, or a network failure has occurred. - Examine the NDV trace output for information on the connection termination. If NDV trace contains no such information, contact your network administrator. Try to remap the session to the server. - If the problem persists, check in the NDV server trace whether your buffer has arrived: - If data have arrived, check for error information in subsequent trace records. - If no data have arrived, contact your network administrator.
Action	See explanation above.

NAT7664: Command not applicable within the current context.

Text	Command not applicable within the current context.
Explanation	The issued command cannot be executed in the selected remote environment or application context. Possible reasons are: - The command is not available for the selected environment or application; e.g. the command "Connect" is issued for a compound application. - The command is not available for the current state of the selected environment or application; e.g. the command "Activate" is issued for a disconnected environment, although only connected environments can be activated.
Action	Check whether all conditions for issuing the command are fulfilled.

NAT7665: Command not supported by Natural Development Server.

Text	Command not supported by Natural Development Server.
Explanation	The issued command is not supported by the protocol version of the Natural Development Server.
Action	Upgrade the Natural Development Server.

NAT7666: Invalid value specified.

Text	Invalid value specified.
Explanation	The value which has been assigned to a property or was specified as method parameter is not allowed in this context.

Action	Assign a valid attribute value, or use a valid method parameter.

NAT7667: Natural :1: cannot be used to access NDV server.

Text	Natural ... cannot be used to access NDV server.
Explanation	This Natural version is not capable of using the requested NDV server.
Action	Upgrade Natural Studio.

NAT7668: Environment name :1: already exists.

Text	Environment name ... already exists.
Explanation	The specified environment name is already used either by another mapped environment or by a mapped application.
Action	Use a different name for the environment to be mapped.

NAT7669: Function not available, because :1: is not installed.

Text	Function not available, because ... is not installed.
Explanation	The required component must be installed in order to perform the function specified or to process the object specified.
Action	Install component, or do not use this function.

NAT7670: Remote Debug could not be started: :1:

Text	Remote Debug could not be started.
Explanation	An internal error occurred which prevented the session for Remote Debug from being started. For details see the NDV trace, at least trace-level bit 15 should be activated.
Action	Contact technical support.

NAT7671: Internal error during Remote Debug, terminating.

Text	Internal error during Remote Debug, terminating.
Explanation	The connection to Remote Debug could not be maintained because of internal errors. For details see the NDV trace, at least trace-level bit 15 should be activated.
Action	Contact technical support.

NAT7672: Parameter error in MAP/UNMAP command.

Text	Parameter error in MAP/UNMAP command.
Explanation	The MAP/UNMAP command cannot be performed, because the specified parameters are not correct. Possible errors are, for example: - Mandatory parameters of the MAP command are missing (for APPL= at least the application name has to be specified; for ENV= at least the server name and the port number have to be specified). - No parameters are specified for the UNMAP command, but the local environment is active. - The application/environment specified in the UNMAP command cannot be found. See the Natural system commands documentation for further information.

Action	Correct the parameter specification.

NAT7674: The debugger port is already in use.

Text	The debugger port is already in use.
Explanation	The debugger port specified via the SPODDEBUGPORT parameter is already used by a different program. Therefore the remote connection to the Natural application could not be established.
Action	Set the SPODDEBUGPORT parameter to a different value. Or set the SPODDEBUGPORT parameter to 0; Natural Studio will then automatically select a free port on the machine for debugging.

NAT7699: :1: locked by :2:.

Text	... locked by ....
Explanation	No detailed explanation available.

123 Natural System Error Messages 7700-7749

NAT7720: Command not applicable in remote environment.

Text	Command not applicable in remote environment.
Explanation	The issued command cannot be executed in a remote (server) environment.
Action	Use the appropriate Natural Studio command or tool. In case of a file-operation command, use an equivalent "Object Menu" operation or "right mouse button" operation to achieve the desired result.

NAT7721: Command not applicable within the application context.

Text	Command not applicable within the application context.
Explanation	The issued command cannot be executed within the context of an application.
Action	Use the appropriate command in the library workspace, or use the right mouse button "Unlink" command, if you want to unlink an object from the application.

NAT7722: Command not applicable in local environment.

Text	Command not applicable in local environment.
Explanation	The issued command cannot be executed in a local (client) environment.
Action	Use the appropriate Natural Studio command or tool. In case of a file operation command, use an equivalent "Object Menu" operation or "right mouse button" operation to achieve the desired result.

NAT7723: Message from server: :1:.

Text	Message from server: ....
Explanation	The server has sent a message to indicate a special situation. E.g., if, when deleting/renaming a library, one or more objects could not be deleted or renamed (primarily caused by locked objects), the server reports this to the client.

NAT7724: Error during session reconnect.

Text	Error during session reconnect.
Explanation	The Natural Development Server cannot reconnect your session for remote development. Possible reasons are: - Corrupted session directory of Natural Development Server. - Server address space exceeds specified limit of subtasks. - Region size (memory below 16 MB) is too small. - Natural Studio requests a reconnect with an invalid session identifier.

Action	Examine Natural Development Server trace file for additional error information.

NAT7725: Cannot create new session directory entry or subtask.

Text	Cannot create new session directory entry or subtask.
Explanation	The Natural Development Server cannot create a new entry in its session directory or cannot create a new subtask to process remote development. Possible reasons are: - Server address space exceeds specified limit of subtasks. - Region size (memory below 16 MB) is too small.
Action	Examine Natural Development Server trace file for additional error information.

NAT7726: New session cannot be initialized.

Text	New session cannot be initialized.
Explanation	The Natural Development Server cannot perform the basic initialization of a new subtask. Possible reason is shortage of memory above 16 MB.
Action	Examine Natural Development Server trace file for additional error information.

NAT7727: Session execution failed.

Text	Session execution failed.
Explanation	The Natural Development Server cannot locate the Natural session in its session directory. Possible reasons are: - The session was cancelled using the server monitor. - The session directory is corrupted. - The Natural Studio requests a reconnect with an invalid session identifier.

Action	Examine Natural Development Server trace file for additional error information.

NAT7728: I/O execution not allowed.

Text	I/O execution not allowed.
Explanation	The remote Natural session executes an I/O, although I/O execution is not permitted. I/O execution is not permitted during session initialization and Natural Security logon processing.
Action	Locate the I/O buffer in the Natural Development Server trace file and contact technical support.

NAT7729: Incompatible versions of Web I/O Interface and Natural.

Text	Incompatible versions of Web I/O Interface and Natural.
Explanation	The NWO server/daemon/service and Natural operate according the NWO protocol specification. Therefore it is required that both components relate to the same NWO protocol version. To assure this, NWO and Natural have a version dependency. This error occurs if the version dependency is violated or Natural is not started by a daemon/service. Under Linux and Windows, the version of the NWO daemon/service must match the version of the Natural process that is started by the daemon/service.
Action	Ensure that the Natural and NWO versions correspond.

NAT7730: Error during I/O execution.

Text	Error during I/O execution.
Explanation	The Natural Studio returns invalid data for the terminal I/O, or there is not enough memory available above 16 MB.
Action	Examine the Natural Development Server trace file for additional error information and contact technical support.

NAT7731: Protocol element missing.

Text	Protocol element missing.
Explanation	For the processing of Natural Development Server (NDV) requests, the NDV requires protocol data; these were not sent by the Natural Studio.
Action	Examine the Natural Development Server trace file for additional error information and contact technical support.

NAT7732: NDV not installed on Natural system file.

Text	NDV not installed on Natural system file.
Explanation	The Natural Development Server (NDV) cannot locate the NDV transaction-processor modules on the FNAT system file. The Natural Development Server installation is incomplete.
Action	Check whether the Natural Development Server INPL has been executed on the specified FNAT system file.

NAT7733: Library undefined, LOGON required.

Text	Library undefined, LOGON required.
Explanation	The logon library of the Natural Development Server session is undefined. This usually happens if the system command LOGOFF is executed, of if a Natural program executes a RETURN statement and no SETUP record is found.
Action	Enter a LOGON command to a valid library of your remote environment; or click any library within your remote tree view to continue.

NAT7734: Adaptation of conversion table failed - :1:.

Text	Adaptation of conversion table failed - ....
Explanation	During the NDV session initialization the NDV server adapts the character conversion table for ASCII/EBCDIC conversion (TABA1/TABA2) according to the provided ASCII code page of the client. This function failed. Possible reasons: - An unknown ICU response code. Contact Natural support. - The client code page is not defined. Use a code page which is defined to Natural. - The client code page is not SBCS. The ASCII/EBCDIC translation cannot support code pages with multi-byte character sets.
Action	If you run Natural with CP=OFF, the TABA1/TABA2 adaptation is omitted.

NAT7735: FDIC system file assignment of the NDV server is invalid.

Text	FDIC system file assignment of the NDV server is invalid.

Explanation	The file assignment for the FDIC system file which has been specified for the Natural Development Server (NDV) is invalid. The specified assignment does not access a valid FDIC system file.
Action	Correct the FDIC assignment in order to access a valid FDIC system file.

NAT7736: FDIC system file of the NDV server is not accessible.

Text	FDIC system file of the NDV server is not accessible.
Explanation	The Natural Development Server (NDV) cannot access the specified FDIC system file. Either the specified database has not been started, or the specified file does not exist in the database.
Action	Start the database or correct the file number in order to access a valid FDIC system file

NAT7738: Natural Studio version not supported.

Text	Natural Studio version not supported.
Explanation	With the configuration parameter MINIMUMSTUDIOVERSION you can customize the allowed client version. Clients with a version below the configured version are rejected.
Action	Upgrade you client version to the configured version or above.

NAT7739: Dynamic screen definition not supported.

Text	Dynamic screen definition not supported.
Explanation	The dynamic screen definition (Natural profile parameter TMODEL) is not supported. TMODEL is restricted to actual teminal model definitions (2, 3, 4 or 5).
Action	Define a supported value for TMODEL, or upgrade the SPoD components to have dynamic screen support.

NAT7740: Time Stamp mismatch.

Text	Time Stamp mismatch.
Explanation	On an upload or an update operation a time stamp conflict was detected. The time stamp found on the server differs from the object"s time stamp held in the work space; the server object was modified since the last download.
Action	Choose one of the options offered: YES to replace the object on the server, or NO to skip the upload/update of the object.

NAT7741: Local source and server source are not identical.

Text	Local source and server source are not identical.
Explanation	The source code held on the client has no Natural time stamp attached. To determine the status of the source held on the client, it is compared with the source held on the server. If the two sources differ, this message is issued.

Action	Choose one of the options offered: YES to replace the object on the server, or NO to skip the upload/update of the object.

NAT7742: Current IDE is not permitted.

Text	Current IDE is not permitted.
Explanation	Your DBA disallowed access to the NDV server by your Natural environment (either Natural for Windows or NaturalONE). Either your environment was started with the appropriate parameter definition (ALLOWEDIDE) of the NDV server. or if NSC is installed your security administrator has restricted the environment.
Action	Please contact your DBA.

NAT7743: Editor is disabled in Natural. Use NaturalONE instead.

Text	Editor is disabled in Natural. Use NaturalONE instead.
Explanation	As of Natural Version 9.1, the Editor is disabled by default. Instead of the Editor, you have a NaturalONE component and an integrated Natural Development Server component with the Natural product package both for developing Natural applications with NaturalONE and communicating via Natural Development Server.
Action	Contact your Natural administrator for support.

NAT7744: The free NaturalONE can only be used if the Editor is disabled.

Text	The free NaturalONE can only be used if the Editor is disabled.

Explanation	As of Natural Version 9.1, the Editor is disabled by default. Instead of the Editor, you have a NaturalONE component and an integrated Natural Development Server (NDV) component with the Natural product package both for developing Natural applications with NaturalONE and communicating via NDV.
Action	Contact your Natural administrator for support.

124 Natural System Error Messages 7950-7999

NAT7997: PRNTWORK buffer overflow.

Text	PRNTWORK buffer overflow.
Explanation	Natural tried to allocate storage in the PRNTWORK buffer for a new work file area which was requested by a DEFINE PRINTER statement, but there was not enough storage available.
Action	Contact Natural support.

NAT7998: Initialization of access method :1: failed.

Text	Initialization of access method :1: failed.
Explanation	The initialization of a print/work file access method has failed. This access method cannot be used during the current session. Any print or work files defined for this access method cannot be used.
Action	Check for the access method error message previously displayed. It should give more detailed information. Correct the problem and restart the session.

NAT7999: GETMAIN failed for print / work file buffer.

Text	GETMAIN failed for print / work file buffer.
Explanation	Natural tried to allocate storage for print/work files which were requested either via JCL or via entries in the parameter module. However, there was not enough space available for these files in the Natural partition/region/thread.
Action	Enlarge size of partition/region/thread, or delete requests for print/work files. If the problem remains, contact your Natural administrator for review of printer/work file parameters.

125 Natural System Error Messages 8000-8049

NAT8000: ADABAS response code to initial call from NATURAL.

Text	ADABAS response code to initial call from NATURAL.
Explanation	An ADABAS response code was received upon the initial call from NATURAL to ADABAS. The error is displayed as "NAT8nnn", "nnn" being the response code.
Action	Make sure that the ADABAS system has been started.

126 Natural System Error Messages 8200-8249

NAT8200: Invalid program switch to a NATURAL transaction.

Text	Invalid program switch to a NATURAL transaction.
Explanation	You want to switch to a non-NATURAL transaction, but you have specified a NATURAL transaction code. Module(s): NIIDEFTX, NIIDIRTX
Action	Check the transaction codes used. OR Use the appropriate switching module.

NAT8201: Invalid program switch to a conversational transaction.

Text	Invalid program switch to a conversational transaction.
Explanation	A direct switch to a conversational transaction from a non-conversational one is not allowed. Module(s): NIIDIRTX

Action	Check the transaction codes used. OR Use the appropriate switching module.

NAT8210: No free work PCBs.

Text	No free work PCBs.
Explanation	You cannot create a report because there is no free work PCB. Note: A work PCB is allocated to each open report. Module(s): NATAM06
Action	Increase the number of work PCBs in the transaction code table (WRKPCBS parameter in the NIMTRNTG macro). OR Decrease the number of parallel reports.

NAT8211: Destination :1: for printing the report is not defined.

Text	Destination :1: for printing the report is not defined.
Explanation	The destination specified in the NTPRINT macro or in the OUTPUT parameter of the DEFINE PRINTER statement is not a valid IMS TM destination. Module(s): NATAM06
Action	Check your destination. OR Contact your system programmer.

NAT8212: Line length larger than block size.

Text	Line length larger than block size.

Explanation	The current print line is larger than the block size for the printer destination used. Module(s): NATAM06
Action	Increase the block size (BLKSIZE parameter in the NTPRINT macro). OR Decrease the line size for the report.

127 Natural System Error Messages 8250-8299

NAT8250: Not enough space for the command in the command buffer.

Text	Not enough space for the command in the command buffer.
Explanation	The length of the command passed is larger than the size of the command buffer. Note: The command buffer is used as I/O area when CMCMMND sends the command to IMS TM. Module(s): CMCMMND
Action	Check the length of the command passed to CMCMMND OR Increase the size of the command buffer in the environment table (CMBSIZE parameter in the NIMPARM macro).

NAT8251: The GCMD call failed with status code :1:.

Text	The GCMD call failed with status code :1:.
Explanation	The failed GCMD call was used to retrieve the response segments for the command passed to IMS TM. Module(s): CMCMMND

Action	Contact your system programmer.

NAT8252: Module not allowed in non-conversational NATURAL sessions.

Text	Module not allowed in non-conversational NATURAL sessions.
Explanation	If you switch to a non-conversational non-NATURAL transaction, a message is required. Module(s): CMDIRNMZ
Action	Check your environment. OR Use the appropriate switching program.

NAT8253: A program switch has been requested without a message.

Text	A program switch has been requested without a message.
Explanation	If you switch to a non-conversational transaction, you must specify a message. Module(s): NIIDIRTX
Action	Check the transaction code used. OR Use the appropriate switching module.

NAT8254: Invalid program switch while suspending the NATURAL session.

Text	Invalid program switch while suspending the NATURAL session.
Explanation	You may not switch between a conversational NATURAL session and a non-conversational transaction code using the Suspend function. Module(s): NIIDEFTX, NIIDIRTX

Action	Check the transaction codes used. OR Do not use the Suspend function.

NAT8255: Message passed too large for input message buffer.

Text	Message passed too large for input message buffer.
Explanation	The length of the message passed is larger than the size of the input message buffer. Note: The input message buffer is used as I/O area when the below mentioned modules send the message to IMS TM. Module(s): NIIDEFTX, NIIDIRTX
Action	Check the length of the message passed to NIIDEFTX/NIIDIRTX. OR Increase the size of the input message buffer in the environment table (MISIZE parameter in the NIMPARM macro).

NAT8256: Invalid program switch to a non-NATURAL transaction.

Text	Invalid program switch to a non-NATURAL transaction.
Explanation	You want to switch to a NATURAL transaction, but you have specified a non-NATURAL transaction code. Module(s): NIIDEFT, NIIDIRT
Action	Check the transaction code used. OR Use the appropriate switching module.

NAT8257: You tried to retrieve data outside the SPA.

Text	You tried to retrieve data outside the SPA.
Explanation	The area beginning at the specified offset in the specified length must reside entirely inside the SPA. Module(s): NIIGSPA
Action	Correct the offset and/or length used in your program.

NAT8258: You tried to update data outside the SPA.

Text	You tried to update data outside the SPA.
Explanation	The area beginning at the specified offset in the specified length must reside entirely inside the SPA. Module(s): NIIPSPA
Action	Correct the length and/or offset used in your program.

NAT8259: Logical PCB name not defined in transaction code table.

Text	Logical PCB name not defined in transaction code table.
Explanation	Each logical PCB name used must be defined in the transaction code table. Module(s): NIIPCBAD
Action	Check the transaction code table. OR Correct the PCB name used in your program.

NAT8260: Not enough space for the command in the command buffer.

Text	Not enough space for the command in the command buffer.
Explanation	The length of the command passed is larger than the size of the command buffer. Note: The command buffer is used as I/O area when NIICMD sends the command to IMS TM. Module(s): NIICMD
Action	Check the length of the command passed to NIICMD. OR Increase the size of the command buffer in the environment table (CMBSIZE parameter in the NIMPARM macro).

NAT8261: The CMD call failed with status :1:.

Text	The CMD call failed with status :1:.
Explanation	The failed CMD call was used to send the command to IMS TM. Module(s): NIICMD
Action	Contact your system programmer.

NAT8262: The reply length may not be zero.

Text	The reply length may not be zero.
Explanation	A non-zero reply length is required to retrieve response segments for a command passed to IMS TM. Module(s): NIIGCMD

Action	Correct the length used in your program.

NAT8263: The GCMD call failed with status code :1:.

Text	The GCMD call failed with status code :1:.
Explanation	The failed GCMD call was used to retrieve the response segments for the command passed to IMS TM. Module(s): NIIGCMD
Action	Contact your system programmer.

NAT8264: The CHNG call failed with status code :1:.

Text	The CHNG call failed with status code :1:.
Explanation	The failed CHNG call was used to set the destination of the first alternate TP PCB to the value passed. Note: The first alternate TP PCB must be modifiable. Module(s): CMQUEUE, CMQUEUEX, NIIDQUMS, NIIISRTF
Action	Contact your system programmer.

NAT8265: The ISRT call failed with status code :1:.

Text	The ISRT call failed with status code :1:.
Explanation	The failed ISRT call was used to send the message segment to the destination set in the first alternate TP PCB. Module(s): CMQUEUE, CMQUEUEX, NIIDQUMS. NIIISRTF, NIIISRTM

Action	Contact your system programmer.

NAT8266: The PURG call failed with status code :1:.

Text	The PURG call failed with status code :1:.
Explanation	The failed PURG call was used to implicitely terminate the current message sent to the destination set in the first alternate TP PCB. Module(s): CMQUEUE, CMQUEUEX
Action	Contact your system programmer.

NAT8267: The GU call failed with status code :1:.

Text	The GU call failed with status code :1:.
Explanation	The failed GU was used to retrieve the first message segment from the IMS TM message queue. Module(s): CMGETMSG, NIIGMSG
Action	Contact your system programmer.

NAT8268: Message received too large for message area provided.

Text	Message received too large for message area provided.
Explanation	The length of the message retrieved from the IMS TM message queue is larger than the length of the message area provided by your program. Module(s): CMGETMSG, NIIGMSG

Action	Increase the length of the message area used in your program.

NAT8269: Message passed too large for input message buffer.

Text	Message passed too large for input message buffer.
Explanation	The length of the message passed is larger than the size of the input message buffer. Note: The input message buffer is used as I/O area when the below mentioned modules send the message to IMS TM. Module(s): NIIISRTF, NIIISRTM
Action	Check length of message passed to NIIISRTF/NIIISRTM. OR Increase the size of the inout message buffer in the environment table (MISIZE parameter in NIMPARM macro).

NAT8270: The CHNG call failed with status code :1:.

Text	The CHNG call failed with status code :1:.
Explanation	The failed CHNG call was used to set the destination of the first alternate TP PCB to the value passed. Note: The first alternate TP PCB must be modifiable. Module(s): CMBRCAST, NIIBRCST
Action	Contact your system programmer.

NAT8271: Message larger than output message buffer.

Text	Message larger than output message buffer.

Explanation	The length of the message passed is larger than the size of the output message buffer. Note: The output message buffer is used as I/O area when the below mentioned modules send the message to IMS TM. Module(s): CMBRCAST, CMPUTMSG, CMQUEUE, CMQUEUEX, NIIDQUMS NIIBRCST, NIIPMSG
Action	Check length of message passed to above-mentioned modules. OR Increase size of output message buffer in the environment table (MOSIZE parameter in NIMPARM macro).

NAT8272: The ISRT call failed with status code :1:.

Text	The ISRT call failed with status code :1:.
Explanation	The failed ISRT call was used to send the message segment to the destination set in the first alternate TP PCB resp. to the destination set in the IOPCB. Module(s): CMBRCAST, CMPUTMSG, NIIBRCST, NIIPMSG
Action	Contact your system programmer.

NAT8273: The PURG call failed with status code :1:.

Text	The PURG call failed with status code :1:.
Explanation	The failed PURG call was used to implicitely terminate the current message sent to the destination set in the first alternate TP PCB. Module(s): CMBRCAST, NIIBRCST
Action	Contact you system programmer.

NAT8274: You tried to overwrite the header of the SPA.

Text	You tried to overwrite the header of the SPA.
Explanation	The specified area must begin behind the SPA header. Module(s): NIIPSPA
Action	Correct the offset used in your program.

NAT8275: Message segment received too large for input message buffer.

Text	Message segment received too large for input message buffer.
Explanation	The length of the message segment retrieved from the IMS TM message queue is larger than the size of the input message buffer. Note: The input message buffer is used as I/O area when NIIGSEG retrieves the message from IMS TM. Module(s): NIIGSEG
Action	Check whether the length of the received segment is as expected and/or increase the size of the input message buffer.

NAT8276: The GN call failed with status code :1:.

Text	The GN call failed with status code :1:.
Explanation	The failed GN call was used to retrieve the next message segment from the IMS TM message queue. Module(s): CMGETSEG, CMSEGO, NIIGSEG

Action	Contact your system programmer.

NAT8277: Message segment received too large for message area.

Text	Message segment received too large for message area.
Explanation	The length of the message segment retrieved from the IMS TM message queue is larger than length of the message area provided by your program. Module(s): CMGETSEG, CMGSEGO, NIIGSEG
Action	Increase the message area size used in your program.

NAT8278: The PURG call failed with status code :1:.

Text	The PURG call failed with status code :1:.
Explanation	The failed PURG call was used to explicitely terminate the current message sent to the destination set in the first alternate TP PCB. Module(s): NIIPURG
Action	Contact your system programmer.

NAT8279: Area specified (whole or part) not in input message buffer.

Text	Area specified (whole or part) not in input message buffer.
Explanation	The area beginning at the specified offset in the specified length must reside entirely inside the input message buffer. Module(s): NIIRETRM

Action	Correct offset and/or length used in your program.

NAT8280: Service module must not be called in online environment.

Text	Service module must not be called in online environment.
Explanation	In an online environment only the Natural INPUT statement may retrieve messages from IMS TM. Module(s): CMGETMSG, CMGETSEG, CMSEGO, NIIGMSG, NIIGSEG
Action	Correct the program.

NAT8281: Service module must not be called in online environment.

Text	Service module must not be called in online environment.
Explanation	In an online environment only the Natural INPUT and WRITE statements may send messages to IMS TM using the IOPCB. Module(s): CMPUTMSG, NIIPMSG
Action	Correct the program.

NAT8290: You tried to overwrite the NATURAL-reserved SPA area.

Text	You tried to overwrite the NATURAL-reserved SPA area.
Explanation	The area beginning at the specified offset in the specified length must reside entirely outside the the NATURAL-reserved SPA area. Module(s): CMPUTSPA, NIIPSPA

Action	Correct the offset and/or length used in your program.

128 Natural System Error Messages 8300-8349

NAT8300: Wrong protocol type, or protocol not supported.

Text	Wrong protocol type, or protocol not supported.
Explanation	Request Document needs the type of the used document as first part of the requested URL at operand 1. Either no protocol type or a protocol type that is not supported was specified with operand1.
Action	Change the protocol type to a valid type, e.g. "http://", and run the program again.

NAT8301: Wrong URL syntax.

Text	Wrong URL syntax.
Explanation	REQUEST DOCUMENT needs the correct syntax of the requested URL at operand1. The syntax of the specified URL was not correct. No protocol type or an unsupported protocol type was specified with operand1.

Action	Correct the URL of operand1 and run the program again.

NAT8302: Request method :1: not supported.

Text	Request method :1: not supported.
Explanation	REQUEST DOCUMENT has been advised by a user-defined header "REQUESTMETHOD" to use a different request method. The REQUEST DOCUMENT statement does not support the specified request method.
Action	Delete the header value, or change the header "REQUESTMETHOD" to a valid value.

NAT8303: Internal error with REQUEST DOCUMENT statement.

Text	Internal error with REQUEST DOCUMENT statement.
Explanation	An internal error has occurred while executing a REQUEST DOCUMENT and writing back error messages.
Action	Contact technical support.

NAT8304: HTTP request failed. Reason :1:.

Text	HTTP request failed. Reason :1:.
Explanation	The REQUEST DOCUMENT statement has received an error from the transport layer.

Action	Contact technical support.

NAT8305: Header :1: is longer than the receiving variable.

Text	Header :1: is longer than the receiving variable.
Explanation	The REQUEST DOCUMENT statement has returned a header value which is longer than the receiving variable.
Action	Use a GIVING clause to ignore this error, increase the length of the receiving variable, or use a dynamic variable.

NAT8306: Return value is longer than the receiving variable.

Text	Return value is longer than the receiving variable.
Explanation	The REQUEST DOCUMENT statement has returned a value which is longer than the receiving variable.
Action	Use a GIVING clause to ignore this error, increase the length of the receiving variable, or use a dynamic variable.

NAT8307: Cannot convert header :1: to format :2: of receiving variable.

Text	Cannot convert header :1: to format :2: of receiving variable.
Explanation	The REQUEST DOCUMENT statement has returned a header value which is no valid alphanumeric representation of the format of the receiving variable. LASTMSG shows additional information about the header value.

Action	Check the program and correct the error. Change the format of the receiving variable.

NAT8310: Required parts of Internet Explorer missing.

Text	Required parts of Internet Explorer missing.
Explanation	Request Document relies on technology delivered with Internet Explorer 4 or above. "wininet.dll" is particularly important. Request Document failed because required parts of the Internet Explorer are missing.
Action	Install at least a minimum installation package for Internet Explorer 4 or above.

NAT8311: Error parsing XML document, line :1: col. :2:; reason :3:.

Text	Error parsing XML document, line ... col. ...; reason ....
Explanation	The XML input document is syntactically invalid. The line/column at which the error occurred, and the reason code returned by the parser, are indicated in the error message. If a GIVING clause is specified with the PARSE XML statement, error NAT8311 will be suppressed, and the reason code is supplied in the SUBCODE operand. For possible reason codes, please refer to the section "PARSE XML: Reason codes for Error Message NAT8311" under "Messages and Codes" in the Natural documentation.
Action	Correct the XML input document.

NAT8312: Error during XML parser processing, reason :1:.

Text	Error during XML parser processing, reason ....
Explanation	Possible reasons: 1: Error in parser access; XML parser not available. 2: Parser instance request failed; new instance not available. 3: Parser initialization failed. 6: Internal parse save-area stack overflow. 7: Resizing of parse operand failed. 8: Empty document; dynamic variable with *length = 0
Action	Check the XML parser condition or XML document.

NAT8313: GETMAIN for :1: failed; return code :2:.

Text	GETMAIN for ... failed; return code ....
Explanation	Natural for XML is not able to allocate its internal buffers. Return code = 4 : Not enough storage. Return code > 4 : Internal error.
Action	If return code = 4, increase the size of thread/region/partition/task; otherwise contact technical support.

NAT8314: No Natural ICU handler available.

Text	No Natural ICU handler available.
Explanation	The Natural ICU handler is not available. Possible reason are: - The ICU handler module is not linked to Natural or cannot be loaded. - The session profile parameter for ICU is set to OFF. - An error occurred during the initialization of the Natural ICU. The Natural ICU handler is a prerequisite for the Natural XML handler.

Action	Depends on the reason of the error. If an initialization error has occurred, check the session initialization error messages.

NAT8315: Incompatible versions of Natural and Natural XML.

Text	Incompatible versions of Natural and Natural XML.
Explanation	Version 4.2 of Natural XML can only be used with Natural Version 4.2.1 or above.
Action	Use a compatible Natural version.

NAT8316: Unsupported operating/TP system.

Text	Unsupported operating/TP system.
Explanation	Currently, Natural XML does not support BS2/UTM.
Action	Use a supported environment.

NAT8317: Natural OS/TP driver is not LE/CRTE enabled.

Text	Natural OS/TP driver is not LE/CRTE enabled.
Explanation	To use the REQUEST DOCUMENT statement, the OS/TP driver used must be enabled to support the IBM Language Environment or CRTE for BS2000.
Action	Install a driver with the required option.

NAT8318: Module :1: is missing in link-edit.

Text	Module ... is missing in link-edit.
Explanation	A module is missing in the link-edit of the Natural front-end stub.
Action	Include the module in the link-edit.

NAT8319: Natural statements REQUEST DOCUMENT and PARSE disabled.

Text	Natural statements REQUEST DOCUMENT and PARSE disabled.
Explanation	The profile parameter XML was set to "OFF".
Action	Set the XML profile parameter or at least one of the subparameters RDOC or PARSE to "ON".

NAT8320: Natural XML initialization failed.

Text	Natural XML initialization failed.
Explanation	The reason for this failure is explained by the more detailed error message issued together with this error message.
Action	See explanation of detailed message.

NAT8321: Natural statement PARSE is disabled.

Text	Natural statement PARSE is disabled.
Explanation	The subparameter PARSE of the Natural profile parameter XML is set to "OFF".
Action	Change the PARSE subparameter value to "ON".

NAT8322: Natural statement REQUEST DOCUMENT is disabled.

Text	Natural statement REQUEST DOCUMENT is disabled.
Explanation	The subparameter RDOC of the Natural profile parameter XML is set to "OFF".
Action	Change the RDOC subparameter value to "ON".

NAT8323: Nested parse XML loop not allowed.

Text	Nested parse XML loops not allowed.
Explanation	Natural detected a recursive call to the XML parser.
Action	Correct program.

NAT8324: No IPv6 stack available on local host.

Text	No IPv6 stack available on local host.

Explanation	If the profile parameter RDIPV6 is set to "ON", a check for the availability of IPv6 on the local host is performed at session start. If this check fails, error NAT8324 is issued as a warning.
Action	Either set the RDIPV6 parameter to "OFF", or ask your system or network administrators to set up an IPv6 stack on your local host.

NAT8331: Error parsing JSON document, line :1: col. :2:, reason :3:.

Text	Error parsing JSON document, line ... col. ..., reason ....
Explanation	The JSON input document is syntactically invalid. The line/column at which the error occurred, and the reason code returned by the parser, are indicated in the error message. If a GIVING clause is specified with the PARSE JSON statement, error NAT8331 will be suppressed and the reason code is supplied in the SUBCODE operand. For possible reason codes, please refer to the section "PARSE JSON: Reason Codes for Error Message NAT8331" under "Messages and Codes" in the Natural documentation.
Action	Correct the input JSON document.

NAT8332: Error during JSON parser processing, reason :1:.

Text	Error during JSON parser processing, reason ....
Explanation	Possible reasons: 1: Error in parser access; JSON parser not available. 2: Parser termination failed. 3: Parser initialization failed. 4: Internal parse save-area stack overflow. 5: Resizing of parse operand failed.

Action	For reason 1 : Use Natural version 9.2.3 or above. For reason 2-5 : Contact technical support.

NAT8333: GETMAIN for :1: failed, return code :2:.

Text	GETMAIN for ... failed, return code ....
Explanation	Natural is not able to allocate the internal buffers for PARSE JSON. Return code = 4 : Not enough storage. Return code > 4 : Internal error.
Action	If return code = 4, increase the size of thread/region/partition/task; otherwise contact technical support.

NAT8334: Incompatible Natural version for PARSE JSON.

Text	Incompatible Natural version for PARSE JSON.
Explanation	The PARSE JSON statement can only be used with Natural Version 9.2.3 or above.
Action	Use a compatible Natural version.

NAT8335: Nested PARSE JSON loop not allowed.

Text	Nested PARSE JSON loop not allowed.
Explanation	Natural detected a recursive call to the JSON parser.
Action	Correct program.

NAT8336: Nested PARSE JSON / XML loop not allowed.

Text	Nested PARSE JSON / XML loop not allowed.
Explanation	Natural detected a recursive call to the JSON / XML parser.
Action	Correct program.

129 Natural System Error Messages 9000-9049

NAT9000: Printer :1: invalid or missing.

Text	Printer ... invalid or missing.
Explanation	An output error occurred on one of the printers allocated for report output.
Action	Contact your NATURAL administrator.

130 Natural System Error Messages 9100-9149

NAT9100: Printer :1: not available.

Text	Printer ... not available.
Explanation	A printout was requested for a printer number which is not defined for the NATURAL session. Printers may be defined as follows: - in batch, with appropriate job control statements; - online, with dynamic NATURAL parameters.
Action	Make sure that the definitions of printers agree with printer references in programs.

NAT9101: Overflow in printer output file.

Text	Overflow in printer output file.
Explanation	There has been an overflow of the printer output file. The last two digits are the printer number of the printer file which has overflowed.

Action	Increase the size of the printer output file.

131 Natural System Error Messages 9200-9249

NAT9200: File space exhausted.

Text	File space exhausted.
Explanation	This error message is displayed in the format "92nn", where "nn" is the number of the file for which space is exhausted.
Action	Contact your NATURAL administrator.

132 Natural System Error Messages 9850-9899

NAT9898: Unexpected end of file or extended errors in CMOBJIN.

Text	Unexpected end of file or extended errors in CMOBJIN.
Explanation	The CMOBJIN data input file had reached the end-of-file condition at a time when more data were requested for reading.
Action	Terminate program execution via STOP in a controlled way, or omit OBJIN statement.

NAT9899: Unexpected end of file in CMSYNIN.

Text	Unexpected end of file in CMSYNIN.
Explanation	The CMSYNIN input file has reached the end-of-file condition when more data or source input were requested to be read. When reading data from the CMSYNIN file, the reading of data must be terminated under program control. The program must be terminated with an END statement, or the Natural execution must be terminated with a FIN command.

Action	Check program and correct error.

133 Natural System Error Messages 9900-9949

NAT9901: Natural/TSO runtime environment is not TSO.

Text	Natural/TSO runtime environment is not TSO.
Explanation	Natural/TSO has been started in a non-TSO environment.
Action	Natural/TSO can run in a TSO environment only. Link the appropriate frontend interface for this environment to your nucleus.

NAT9902: Dataset cannot be opened - :1:.

Text	Dataset cannot be opened - ....
Explanation	The required dataset cannot be opened. Either it is not or incorrectly defined in the JCL, or it cannot be opened due to other reasons.
Action	Supply the correct dataset definition in the JCL. Check for operating-system error messages in the job log to ascertain the cause of the error.

NAT9903: NATSTUB not linked to Natural nucleus :1:.

Text	NATSTUB not linked to Natural nucleus :1:.
Explanation	Either the module NATSTUB is not linked to the Natural nucleus; or the shared nucleus :1: has been loaded; but NATSTUB is not defined as its entry point.
Action	Link the module NATSTUB to the Natural nucleus. If a shared nucleus is used, specify CMSTUB as its entry point in the link job.

NAT9904: Invalid Natural nucleus - :1:.

Text	Invalid Natural nucleus - ....
Explanation	The version of the Natural nucleus module, as indicated in the error message, does not correspond to the front-end interface module. For example, the front-end has loaded a shared nucleus of a different version.
Action	Link the correct Natural nucleus; or specify a correct shared nucleus name, using the profile parameter NUCNAME.

NAT9905: Terminal I/O error - :1:: RC=:2:.

Text	Terminal I/O error - :1:: RC=:2:.
Explanation	A terminal I/O error has occurred. The I/O response code RC=:2: indicates the reason for the failure of request :1:. Under TSO, the response code comes from the failing TSO I/O request macro TPUT or TGET.

Action	Check the meaning of the response code in the TSO documentation. Contact technical support for further problem analysis.

NAT9906: Natural server cannot run as LE main routine.

Text	Natural server cannot run as LE main routine.
Explanation	The Natural front-end (NATOS) received control from a front-end server stub which did not initialize the IBM language environment. NATOS is linked with LE support and cannot run as an LE main routine.
Action	Either link NATOS without LE support or generate the front-end server stub with LE support if possible.

NAT9907: Unsupported operating-system version.

Text	Unsupported operating-system version.
Explanation	The current operating-system version is not supported by this Natural version.
Action	See Natural documentation for supported operating systems and versions.

NAT9908: Nucleus module does not reside below 16 MB line - :1:

Text	Nucleus module does not reside below 16 MB line - ...
Explanation	The nucleus module specified in the message must be executed below the 16 MB line due to operating-system requirements.

Action	Re-link the specified nucleus module with parameter MODE RMODE(24).

NAT9909: Unsupported teleprocessing system version.

Text	Unsupported teleprocessing system version.
Explanation	This version of the teleprocessing system (e.g. Com-plete) is not supported by Natural. It is either an old version which does not contain the facilities required by Natural, or a new version which is not yet supported by your version of Natural.
Action	Either install a newer version of the teleprocessing system, or install a newer version of Natural.

NAT9910: Session communication area missing or invalid.

Text	Session communication area missing or invalid.
Explanation	The Natural server session communication area is missing or invalid. The session communication area is internally used by the Natural server and must be supplied by the front-end server stub.
Action	Contact technical support for further problem analysis.

NAT9911: Invalid storage thread size specified.

Text	Invalid storage thread size specified.
Explanation	Running Natural as a server requires the acquisition of main-storage threads of a fixed size. The thread size defined by the front-end server stub is invalid. It must be in the range from 256 kilobytes to 16 megabytes.

Action	Specify a correct thread size in the front-end server stub definitions.

NAT9912: The number of threads is invalid or too high.

Text	The number of threads is invalid or too high.
Explanation	Running Natural as a server requires the acquisition of main-storage threads. The number of threads defined by the front-end server stub is invalid or too great. It must be in the range from 0 to 8191, and the total thread storage must be less than 2 gigabytes.
Action	Reduce the number of threads or the thread size in the front-end server stub definitions.

NAT9913: Server environment already initialized.

Text	Server environment already initialized.
Explanation	The front-end server stub requested Natural to initialize the server environment, but the server environment has already been initialized.
Action	Terminate the server environment before restarting it. Contact technical support for further problem analysis.

NAT9914: GETMAIN for common server table failed.

Text	GETMAIN for common server table failed.
Explanation	The Natural server environment cannot be initialized because the GETMAIN for its central control block has failed. Sufficient region storage must be available.

Action	Increase the region size for the Natural server. If the problem cannot be solved, contact technical support for further problem analysis.

NAT9915: GETMAIN for thread storage failed.

Text	GETMAIN for thread storage failed.
Explanation	The Natural server environment cannot be initialized because a GETMAIN for its storage threads has failed. Sufficient region storage must be available.
Action	Increase the region size for the Natural server or reduce the number or the size of its storage threads in the frontend stub definitions.

NAT9916: Error retrieving server name token. RC=:1:.

Text	Error retrieving server name token. RC=....
Explanation	The central anchor for the Natural server is an MVS name token. The retrieve request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM MVS Authorized Assembler Services Reference under the IEANTRT macro call description.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9917: Error creating server name token. RC=:1:.

Text	Error creating server name token. RC=....

Explanation	The central anchor for the Natural server is an MVS name token. The create request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM MVS Authorized Assembler Services Reference under the IEANTCR macro call description.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9918: Error deleting server name token. RC=:1:.

Text	Error deleting server name token. RC=....
Explanation	The central anchor for the Natural server is an MVS name token. The delete request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM MVS Authorized Assembler Services Reference under the IEANTDL macro call description.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9919: Invalid server function code.

Text	Invalid server function code.
Explanation	The frontend server stub called the Natural server with an invalid server function code.
Action	Contact technical support for further problem analysis.

NAT9920: Roll server not active. SUBSID=:1:.

Text	Roll server not active. SUBSID=:1:.
Explanation	The Natural server environment requires the Natural roll server for running multiple server sessions within a limited number of storage threads. Either there is no roll server started for the specified Natural subsystem ID or the SUBSID profile parameter is incorrectly or dynamically specified in the Natural parameter module.
Action	Start the Natural roll server for the subsystem ID or set the SUBSID profile parameter correctly or use SUBSID=" " to run without a roll server or specify this in the frontend server stub definitions.

NAT9921: Server environment not initialized.

Text	Server environment not initialized.
Explanation	The frontend server stub called Natural with a server function code other than "initialize server" and the Natural server environment is in uninitialized state.
Action	Restart the frontend server stub to reset its state completely. Contact technical support for further problem analysis.

NAT9922: The initialization session cannot be rolled.

Text	The initialization session cannot be rolled.
Explanation	The frontend server stub requested a session create, roll-out or roll-in server function while the Natural server was initializing. During the server initialization phase these server functions are not allowed.

Action	Contact technical support for further problem analysis.

NAT9923: No server clone session available.

Text	No server clone session available.
Explanation	The frontend server stub requested a session create but the clone session had not been saved yet.
Action	Contact technical support for further problem analysis.

NAT9924: Session ID missing or invalid.

Text	Session ID missing or invalid.
Explanation	The Natural server session ID is a unique internal ID to identify a Natural session. The frontend server stub passed either no session ID or a hexadecimal null session ID which is not allowed or the session ID hads been modified.
Action	Contact technical support for further problem analysis.

NAT9925: Session ID already exists.

Text	Session ID already exists.
Explanation	The front-end server stub requested a "session create" but a session with the same session ID exists already and is ready to run.

Action	Contact technical support for further problem analysis.

NAT9926: Session not in rolled-in status.

Text	Session not in rolled-in status.
Explanation	The frontend server stub requested a session roll-out, execute or save clone function, but the session is not in rolled-in state.
Action	Contact technical support for further problem analysis.

NAT9927: Session not in rolled-out status.

Text	Session not in rolled-out status.
Explanation	The frontend server stub requested a session roll-in function, but the session is not in rolled-out state.
Action	Contact technical support for further problem analysis.

NAT9928: Compression failed during roll-out. RC=:1:.

Text	Compression failed during roll-out. RC=....
Explanation	The Natural thread storage compression failed. The exact reason is indicated by the decimal return code RC=00nn. It is explained in the Natural documentation.
Action	Contact technical support for further problem analysis.

NAT9929: Decompression failed during roll-in. RC=:1:.

Text	Decompression failed during roll-in. RC=....
Explanation	The Natural thread storage decompression failed. The exact reason is indicated by the decimal return code RC=00nn. It is explained in the Natural documentation.
Action	Contact technical support for further problem analysis.

NAT9930: GETMAIN failed for roll buffer.

Text	GETMAIN failed for roll buffer.
Explanation	During Natural session thread storage roll-out the GETMAIN request for the roll buffer failed. Sufficient region storage must be available to save the compressed session storage.
Action	Increase the region size for the Natural server or use the Natural roll server as roll facility.

NAT9931: The AUTOTERM facility cannot be initialized.

Text	The AUTOTERM facility cannot be initialized.
Explanation	In a Natural server environment, the automatic server termination facility helps to avoid problems caused by an unintended DETACH of the server initialization TCB (e.g. MVS abends A03, no server resource cleanup etc.). The AUTOTERM facility cannot be initialized due to storage protection problems.
Action	Disable the AUTOTERM facility in the frontend server stub definitions or contact SAG technical support for further problem analysis.

NAT9932: Natural runtime error occurred - :1:.

Text	Natural runtime error occurred - :1:.
Explanation	During the execution of a Natural server session, the indicated Natural runtime error :1: occurred.
Action	Check the complete runtime error message issued by Natural. It can be found either in the return data on the client side or in the Natural standard output dataset of the server.

NAT9933: Roll server ALLOCATE request failed. RC=:1:/:2:.

Text	Roll server ALLOCATE request failed. RC=.../....
Explanation	During session creation, the ALLOCATE request for a new roll-file slot failed. Sufficient roll-file storage must be available. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9934: Roll server WRITE request failed. RC=:1:/:2:.

Text	Roll server WRITE request failed. RC=.../....
Explanation	During session roll-out, the WRITE request to the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Action	If you cannot find the reason for the problem and correct it, contact tehnical support for further problem analysis.

NAT9935: Roll server READ request failed. RC=:1:/:2:.

Text	Roll server READ request failed. RC=:1:/:2:.
Explanation	During session roll-in the READ request from the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural Documentation.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9936: Roll server FREE request failed. RC=:1:/:2:.

Text	Roll server FREE request failed. RC=.../....
Explanation	During session termination, the FREE request to the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9937: Server I/O subtask cannot be started. RC=:1:/:2:.

Text	Server I/O subtask cannot be started. RC=:1:/:2:.
Explanation	In the Natural server environment, the whole I/O handling is done by a separate MVS subtask, started during server initialization. The ATTACH request for the I/O subtask failed. The reason for the failure is indicated by RC=:1:/:2:, where :1: is the decimal return code of the internal function code :2:.

Action	Contact technical support for further problem analysis.

NAT9938: Termination of SMARTS environment failed.

Text	Termination of SMARTS environment failed.
Explanation	No further explanation available.
Action	Contact technical support.

NAT9939: :1: RC=:2:

Text	Remote front-end communication error. RC=...
Explanation	A Natural server environment uses the Natural remote front-end to dispatch a Natural session in a remote TP environment. This is used, for example, by the CICS or IMS Adapter for NDV or NWO. This error indicates an error in the communication between the Natural server environment and the remote TP environment. The meaning of the RC value depends on the error text. For example: - "Cannot load NCI front-end RC= ": RC contains the CICS EIB response code. - "Error at Remote Gateway Obtain/Restore": RC contains the response code from the NDV remote gateway.
Action	In case of a CICS EIB response code, examine the CICS messages or the remote front-end trace for further error information. In case of a remote gateway RC, contact technical support.

NAT9940: Server parameter list(s) missing or invalid.

Text	Server parameter list(s) missing or invalid.

Explanation	A mandatory Natural server parameter list is missing or invalid. A Natural front-end server stub communicates with a Natural server session using internal parameter lists, which are mandatory depending on the internal server function.
Action	Contact technical support for further problem analysis.

NAT9941: Wrong Smarts version for use of LE/370.

Text	Wrong Smarts version for use of LE/370.
Explanation	Smarts version V272 is required to support the CEEPIPI interface for LE/370 programs.
Action	Install the required Smarts version.

NAT9942: Server Front-End incompatible with Natural version.

Text	Server Front-End incompatible with Natural version.
Explanation	The Front-End Server Stub requires a Natural version different from the version of the current Natural environment-dependent nucleus.
Action	Install and use a compatible Natural version according to the Front-End Server Stub documentation.

NAT9943: Logic error in Natural program for asynchronous session.

Text	Logic error in Natural program for asynchronous session.

Explanation	Input data requested, but an asynchronous session runs without any input device. To avoid this error situation, check the Natural system variable *SCREEN-IO.
Action	Correct the program logic.

NAT9944: Roll server COMPRESS request failed. RC=:1:/:2:.

Text	Roll server COMPRESS request failed. RC=.../....
Explanation	During session roll-out, the COMPRESS request to the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

NAT9945: Roll server DECOMPRESS request failed. RC=:1:/:2:.

Text	Roll server DECOMPRESS request failed. RC=.../....
Explanation	During session roll-in, the DECOMPRESS request from the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Action	If you cannot find the reason for the problem and correct it, contact technical support for further problem analysis.

134 Natural System Error Messages 9950-9999

NAT9963: Pre-initialized thread cannot be used - :1: :2:.

Text	Pre-initialized thread cannot be used - :1: :2:.
Explanation	The pre-initialized thread defined by profile parameter THPINIT has been accessed. It cannot be used because one of the prerequisites isn"t fulfilled or any other error has occurred. :1: Name of pre-initialized thread storage (profile parameter THPINIT) :2: Character string and reason code indicating the error cause: NOTHREAD - this is no thread environment NOSPACE - not enough working storage available SCRNSIZE - the current session has a different screen size DECOMP .... - thread decompression error X"...." occurred ROLLIN .... - thread roll-in error number X"...." has occurred
Action	Correct the error and restart the session. You can bypass the usage of a pre-initialized thread by specifying profile parameter THPINIT=" ".

NAT9964: NAT9964 Error occurred during session initialization.

Text	NAT9964 Error occurred during session initialization.

Explanation	During the initialization of Natural batch processing, an error has occurred. Batch processing has continued after the error, because parameter ITERM=OFF was set. The session terminates with return code "4".
Action	Correct the error as indicated by the preceding error messages.

NAT9965: Natural termination forced by administrator - :1:.

Text	Natural termination forced by administrator - ....
Explanation	The session has been marked for termination by the Review for Natural command TERMNAT within the Review SYSRNM administrator application. When the session resumes after a terminal I/O, it is terminated. The user ID ... of the Review SYSRNM administrator is indicated at the end of the message.
Action	None.

NAT9966: Session terminated due to license check failure.

Text	Session terminated due to license check failure.
Explanation	The session terminated due to a problem with your product license. Natural cannot start without a valid license. The license module is either not linked or invalid or insufficient for your environment.
Action	Check the session initialization error messages for more detailed information about the problem. If you have no correct license file, please contact technical support.

NAT9967: Termination forced by unhandled LE condition - :1:.

Text	Termination forced by unhandled LE condition - ....
Explanation	During the execution of an LE (IBM Language Environment) subprogram, an error condition has occurred. As no condition handler was active in the subprogram to handle the error, control has been passed to the Natural LE condition handler, which calls LE services to write an LE snap dump to CEEDUMP and to issue more detailed LE error messages. Accordung to the DU profile parameter, Natural has been terminated with a dump.
Action	Check the LE error condition, the messages and the snap dump to find out the reason of the error. If necessary, correct the LE subprogram.

NAT9968: Natural termination forced by DUE - :1: :2: :3:.

Text	Natural termination forced by DUE - :1: :2: :3:.
Explanation	Error :3: has occurred, and Natural has been terminated with a dump. The Natural program :1: has caused the error on line number :2:. :3: is the error message ID which was defined by profile parameter parameter DUE to get a dump. If :1: and :2: are missing, there wasn"t any program active when the error occurred.
Action	Analyse the dump which has been produced, and correct the error. If necessary, contact technical support.

NAT9969: Natural escaped from error loop - :1: :2: :3:.

Text	Natural escaped from error loop - prog line NATnnnn.

Explanation	An error loop has occurred, and Natural has been terminated. prog - is the name of the program which caused the error. line - is the number of the source-code line which caused the error. NATnnnn - is the number of the last error which occurred before NAT9969 was issued. If the parameter DU=FORCE is set, a dump will be produced. Register 1 in the dump contains the number of the last error which occurred before Natural escaped from the error loop and issued NAT9969.
Action	Correct error, or produce a dump by setting DU=FORCE. If necessary, contact technical support.

NAT9970: Natural initialization failed due to ITERM=ON.

Text	Natural initialization failed due to ITERM=ON.
Explanation	During the initialization of Natural, an error condition occurred. This message is preceded by one or more other Natural error messages. The session is terminated because profile parameter ITERM=ON is set.
Action	Correct the error as indicated by the preceding error messages, or set ITERM=OFF (not possible with STACK=INPL).

NAT9971: Session terminated by front-end driver - RC=:1:.

Text	Session terminated by front-end driver - RC=:1:.
Explanation	During session initialization, the environment- dependent driver has detected a crucial error and the session cannot be continued. RC=:1: indicates the driver-error reason code.
Action	Contact technical support.

NAT9972: Natural module missing or invalid - :1:.

Text	Natural module missing or invalid - :1:.
Explanation	During initialization Natural has detected that the module :1: is missing or its maintenance level does not match.
Action	Link the correct module to the Natural nucleus and restart Natural.

NAT9973: Abend :1: :2:.

Text	Abend :1: :2:.
Explanation	An unexpected internal runtime error has occurred. The session was terminated and a dump was produced. :1: is name of the nucleus component which caused the error. :2: contains additional error information (optional).
Action	Save the dump and contact technical support.

NAT9974: Natural termination forced by abend :1:.

Text	Natural termination forced by abend ....
Explanation	Natural has been abnormally terminated after the abend condition shown in the error message has occurred, and the profile parameter DU=ON was set. The abend condition was set by the operating system and/or TP system in use. For an explanation of the abend condition, see the appropriate operating-system or TP-system documentation. Possible abend conditions are, for example: "SOC7" - data exception, "AICA" - possible loop under CICS, "ATCH" - task cancelled by operator (CICS). If the abend occurred during Adabas call processing, the indicator ADABAS is added after the abend code.

Action	Analyse the dump which has been produced, and correct the error. If necessary, contact technical support.

NAT9975: Back-end program not found - :1:.

Text	Back-end program not found - :1:.
Explanation	The Natural session was terminated normally, but the program :1:, which should receive control after the session termination (as specified with the profile parameter PROGRAM), could not be found.
Action	Make sure that the correct program name is specified with the PROGRAM parameter and the program is contained in the appropriate library.

NAT9976: Initialization buffer too small.

Text	Initialization buffer too small.
Explanation	Natural could not be initialized because there was not enough space in the initialization buffer. The size of this buffer is determined by the profile parameter ISIZE.
Action	Increase value for ISIZE parameter in the Natural parameter module, then start Natural session again.

NAT9977: Permanent I/O error during input processing.

Text	Permanent I/O error during input processing.
Explanation	During batch processing, Natural did not receive any input data. Or: During online processing, this message is issued to the console in case of an I/O error, because in such a case the associated output device is considered to be inoperational.

Action	Make sure input data are passed correctly to Natural.

NAT9978: Error occurred during execution/compilation.

Text	Error occurred during execution/compilation.
Explanation	During Natural batch processing, an error has occurred when a program was being compiled or executed. Batch processing was continued after the error. The session was terminated with return code "4".
Action	Check the output protocol for any error messages. Correct the error, and re-run the batch job if necessary

NAT9979: Terminal converter module not linked - :1:

Text	Terminal converter module not linked - ...
Explanation	Natural was invoked with terminal type ... which cannot be supported because the corresponding converter module for this terminal type has not been linked to the Natural nucleus or is incompatible with the current environment.
Action	Link the missing module to the Natural nucleus or specify a correct terminal type by means of the profile parameter TTYPE.

NAT9980: Nucleus module does not reside in residentpage - :1:.

Text	Nucleus module does not reside in residentpage - ....
Explanation	The called program is not loaded as a Com-plete resident program.

Action	Load the program as a Com-plete resident program.

NAT9981: GETMAIN for back-end program data failed.

Text	GETMAIN for back-end program data failed.
Explanation	The size requested for the back-end program data cannot be allocated in the Natural thread.
Action	Increase the thread size.

NAT9982: Error occurred during session termination.

Text	Error occurred during session termination.
Explanation	An error has occurred during session termination. The corresponding error message has been issued before.
Action	Check the corresponding error message and correct the error if necessary.

NAT9983: Conversation I/O requested, nucleus/thread displaced.

Text	Conversation I/O requested, nucleus/thread displaced.
Explanation	The nucleus and/or the thread has been displaced during the last terminal I/O.
Action	Place the Natural nucleus in the (E)LPA and/or do not specify RELO=FORCE/ON.

NAT9984: Natural address relocation failed - RC=:1:.

Text	Natural address relocation failed - RC=....
Explanation	An internal error has occurred.
Action	Contact technical support.

NAT9985: Thread-locked sessions cannot be recovered.

Text	Thread-locked sessions cannot be recovered.
Explanation	Com-Plete tries to recover a Natural session, which is not possible as the session runs in RELO=OFF mode. The session must be terminated.
Action	Restart session with RELO=ON.

NAT9986: Natural parameter module missing or invalid.

Text	Natural parameter module missing or invalid.
Explanation	Either no Natural parameter module has been linked to the Natural environment dependant nucleus, or the parameter module is invalid, e.g. it was assembled against a Natural macro library of an older version or an older maintenance level.
Action	Re-assemble the Natural parameter module using the macro library of the current maintenance level and link it to the Natural nucleus.

NAT9987: Natural session terminated abnormally - RC=:1:.

Text	Natural session terminated abnormally - RC=:1:.
Explanation	The Natural session was terminated by a TERMINATE statement with return code :1: in a Natural program.
Action	No action required.

NAT9988: Error in system file access.

Text	Error in system file access.
Explanation	When a new session starts up, Natural submits various database calls to check the reachability and integrity of the FNAT System File. If any of these database calls receives a response code or if the specified FNAT system file can not be identified as valid, the initialization process is stopped and the session terminates. In addition to this message, another message is displayed before, giving a more detailed description of the error reason.
Action	Check detailed error message, received in addition to this message.

NAT9989: Natural versions do not agree.

Text	Natural versions do not agree.
Explanation	During initialization, Natural checks whether the versions of the environment-dependent interface and the Natural shared nucleus are of the same Natural major and minor version.
Action	Re-assemble and re-link the environment-dependent interface with the correct Natural macro and link libraries.

NAT9990: Natural initialization failed.

Text	Natural initialization failed.
Explanation	During initialization of Natural, an error condition occurred which does not allow for continuation of the Natural session. This message is preceded by one or more other Natural error messages.
Action	Correct error as indicated by preceding error messages.

NAT9991: Required module not linked - :1:.

Text	Required module not linked - :1:.
Explanation	During initialization Natural has detected that module :1: is missing. The module is required to run the Natural nucleus.
Action	Link the missing module to the Natural nucleus and restart Natural.

NAT9992: Session terminated due to unrecoverable abend :1:.

Text	Session terminated due to unrecoverable abend :1:.
Explanation	During the attempt to recover the Natural session from abend :1:, another abend has occurred. To avoid an abend loop, the Natural session was terminated.
Action	Analyse the dump which has been produced, and correct the error. If necessary, contact technical support.

NAT9993: Adabas link module missing or invalid - :1:.

Text	Adabas link module missing or invalid - :1:.
Explanation	The Adabas link module :1: specified by profile parameter ADANAME cannot be loaded or is invalid. Either the load library is missing or invalid, or the specified module does not exist or has been linked incorrectly.
Action	Ensure that the correct load library is attached to the Natural session and that it contains the correct Adabas link module.

NAT9994: Dynamic parameter string is too long.

Text	Dynamic parameter string is too long.
Explanation	The character string supplied as dynamic parameters at the start of the Natural session is too long. It must not exceed 32767 characters. This includes the dynamic parameters read from the CMPRMIN file.
Action	Restart the Natural session with fewer dynamic parameters.

NAT9995: Natural session terminated normally.

Text	Natural session terminated normally.
Explanation	The Natural session for this terminal/user was terminated without any error conditions. Natural was terminated by one of the following actions: - entering the command FIN in NEXT/MORE mode, - entering the command %% in NEXT mode, - pressing the CLEAR key in NEXT mode, - executing the statement TERMINATE in a Natural program.

Action	No action required.

NAT9996: Unable to load Natural nucleus module - :1: :2:.

Text	Unable to load Natural nucleus module - :1: :2:.
Explanation	Natural could not load its shared or reentrant nucleus module :1:. The front-end part of Natural attempted a TP- or OS-dependent load request and received error condition :2:.
Action	Check the shared nucleus name specified by the NUCNAME parameter or re-link the reentrant part with a corresponding name. Check whether the correct load library is accessible by Natural.

NAT9997: Not enough memory to start Natural - :1: :2:K RC=:3:.

Text	Not enough memory to start Natural - :1: :2:K RC=:3:.
Explanation	Natural was not able to acquire all required storage buffers. These buffers are used for user area, terminal area, I/O areas, file buffers, etc. If one of the storage acquisition calls fails, Natural cannot be initialized. Additional information as follows: :1: buffer type (as documented in NATCONFG), :2: buffer size (in KB), :3: return code from the GETMAIN request: 04 = Not enough storage. 08 = Invalid buffer type. 10 = Duplicate buffer type. 18 = Invalid buffer length. 1C = Buffer type not defined in NATCONFG. 30 = Module NATCONFG not linked. 34 = Physical GETMAIN failed.
Action	RC=04/34: Reduce buffer sizes or assign a larger thread/partition. The other return codes indicate a product error; contact technical support.

NAT9998: I/O error on input file - :1:.

Text	I/O error on input file - :1:.
Explanation	An I/O error occurred during batch processing on an input file, e.g. CMSYNIN or CMOBJIN. :1: indicates the name of the input file.
Action	Check for operating-system error messages in the job log and correct the error.

NAT9999: I/O error on output file - :1:.

Text	I/O error on output file - :1:.
Explanation	An I/O error occurred during batch processing on an output file, e.g. CMPRINT. :1: indicates the name of the output file.
Action	Check for operating-system error messages in the job log and correct the error.

II

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135 GETMAIN Error Numbers in NAT7545

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- Error 08 : Invalid buffer type 1372
- Error 12 : Compression table is full 1372
- Error 16 : Buffer already exists 1373
- Error 20 : 1st requested buffer was not the PCB 1373
- Error 24 : Invalid GETMAIN length 1373
- Error 28 : Address Physical Buffer Table missing 1373
- Error 32 : Physical Buffer Table is full 1373
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- Error 64 : Getmain buffer size greater max. buffer size 1375
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- Error 72 : Total size of work pools above the line exceeds max. size 1376

This document describes the error numbers which are displayed in Error Message NAT7545 as a result of a failed GETMAIN request:

```
NAT7545 getmain of :1: for :2: buffer failed (:3:/:4:)
```

- where:

- `:3:` contains one of the following error numbers and
- `:4:` may contain length-specific information which is explained below, or the response code from the operating system.

Error 04 : Thread upper limit exceeded

Explanation	The Natural user thread is too small.
Action	Increase the Natural thread length.

Error 08 : Invalid buffer type

Explanation	Internal error, the buffer type used is not valid.
Action	Contact support.

Error 12 : Compression table is full

Explanation	Internal error, upper limit of the compression table exceeded.
Action	Contact support.

Error 16 : Buffer already exists

Explanation	Internal error, a GETMAIN for an existing buffer was executed.
Action	Contact support.

Error 20 : 1st requested buffer was not the PCB

Explanation	Internal error, Natural Permanent Control Block missing.
Action	Contact support.

Error 24 : Invalid GETMAIN length

Explanation	Internal error, the buffer length of a GETMAIN is invalid.
Action	Contact support.

Error 28 : Address Physical Buffer Table missing

Explanation	Internal error, address of Physical Buffer Table not found.
Action	Contact support.

Error 32 : Physical Buffer Table is full

Explanation	Internal error, upper limit of Physical Buffer Table exceeded.
Action	Contact support.

Error 36 : Incorrect Buffer Prefix Table entry (CMBPFT)

Explanation	Internal error, Buffer Prefix Table entry in `NATCONFG` is destroyed.
Action	Contact support.

Error 40 : Physical freemain not done

Explanation	Internal error, freemain of the work pools not done.
Action	Contact support.

Error 44 : Work Pool or Fixed Buffer allocated above instead below

Explanation	Internal error, work pool or fixed buffer not allocated below the 16-MB line.
Action	Contact support.

Error 48 : Address of Buffer Prefix Table entry not resolved

Explanation	The address of entry `CMBPFT` in module `NATCONFG` is not resolved.
Action	Module `NATCONFG` must be linked to the Natural nucleus.

Error 52 : Error from CMGETMP - see :4: in message NAT7545

Explanation	Physical GETMAIN error from the operating system.
Action	For details, see reason code and response code from operating system.

Error 56 : Thread overflow size greater defined OVSIZE in NTPRM

:4:

Explanation	Defined `OVSIZE` in Natural parameter module (macro `NTPRM`, see Natural for z/OS, *Operations*) exceeded.
Action	Increase the `OVSIZE` in the Natural Parameter Module.

Error 60 : Getmain buffer size lower min. Buffer size

Explanation	Internal error, the buffer length is lower than the minimum buffer size.
Action	Contact support.

Error 64 : Getmain buffer size greater max. buffer size

Explanation	Internal error, buffer length is greater than the maximum buffer size.
Action	Contact support.

Error 68 : Total size of work pools below the line exceeds max. size

:4:

Explanation	The total size of all work pools below the 16-MB line exceeds the defined max. size in the 3rd operand of keyword parameter `WPSIZE` in the Natural parameter module (macro `NTPRM`).
Action	Increase the 3rd operand of the keyword parameter `WPSIZE` in the macro `NTPRM`.

Error 72 : Total size of work pools above the line exceeds max. size

:4:

Explanation	The total size of all work pools above the 16-MB line exceeds the defined max. size in the 4th operand of keyword parameter `WPSIZE` in the Natural parameter module (macro `NTPRM`).
Action	Increase the 4th operand of the keyword parameter `WPSIZE` in the macro `NTPRM`.

136 FREEMAIN Error Numbers in NAT7546

- Error 100: Incorrect total buffer length in buffer prefix 1378
- Error 104 : Invalid freemain length for a fixed buffer type 1378
- Error 108 : Invalid freemain length for a variable buffer 1378
- Error 112 : Used length greater freemain buffer length 1378
- Error 116 : Freemain for a fixed buffer below the 16-MB line failed 1379
- Error 120 : Eye catcher of physical buffer destroyed 1379
- Error 124 : Freemain for the physical buffer already done 1379
- Error 128 : Invalid freemain length for a physical buffer 1379
- Error 132 : Freemain length greater than Work Pool size 1379
- Error 136 : Freemain length greater total size of physical storage 1380
- Error 140 : Invalid buffer address for freemain 1380
- Error 144 : Error from CMFREMP for a variable/fixed buffer 1380
- Error 148 : Error from CMFREMP for a Work Pool 1380
- Error 152 : Error from CMFREMP during freemain ALL 1381
- Error 156 : Error from CMFREMP for a buffer outside of thread 1381

This document describes the error numbers which are displayed in Error Message NAT7546 as a result of a failed FREEMAIN request:

```
NAT7546 freemain of :1: buffer failed (:2:/:3:)
```

- where:

- `:2:` contains one of the following error numbers and
- `:3:` contains the response code from the operating system.

Error 100: Incorrect total buffer length in buffer prefix

Explanation	Internal error, the buffer prefix contains an invalid total buffer length.
Action	Contact support.

Error 104 : Invalid freemain length for a fixed buffer type

Explanation	Internal error, invalid FREEMAIN length for a fixed buffer.
Action	Contact support.

Error 108 : Invalid freemain length for a variable buffer

Explanation	Internal error, invalid FREEMAIN length for a variable buffer.
Action	Contact support.

Error 112 : Used length greater freemain buffer length

Explanation	Internal error, the length of an existing variable buffer has been reduced, but the length used from high end plus the length used from low end is greater than the new (reduced) buffer length.
Action	Contact support.

Error 116 : Freemain for a fixed buffer below the 16-MB line failed

:3:

Explanation	FREEMAIN error for a fixed buffer below the 16-MB line from the operating system.
Action	For details, see the reason code and response code from the operating system.

Error 120 : Eye catcher of physical buffer destroyed

Explanation	Internal error, the eye catcher of a physical buffer in a work pool has been destroyed.
Action	Contact support.

Error 124 : Freemain for the physical buffer already done

Explanation	Internal error, the FREEMAIN for the physical buffer in a work pool has been done.
Action	Contact support.

Error 128 : Invalid freemain length for a physical buffer

Explanation	Internal error, the FREEMAIN length for a physical buffer is invalid.
Action	Contact support.

Error 132 : Freemain length greater than Work Pool size

Explanation	Internal error, the FREEMAIN length for a physical buffer is greater than the work pool size.
Action	Contact support.

Error 136 : Freemain length greater total size of physical storage

Explanation	Internal error, the FREEMAIN length for a physical buffer is greater than the total size of the physical storage.
Action	Contact support.

Error 140 : Invalid buffer address for freemain

Explanation	Internal error, the buffer address for a FREEMAIN is not valid.
Action	Contact support.

Error 144 : Error from CMFREMP for a variable/fixed buffer

:3:

Explanation	FREEMAIN error for a variable or fixed buffer from the operating system.
Action	For details, see the reason code and response code from the operating system.

Error 148 : Error from CMFREMP for a Work Pool

:3:

Explanation	FREEMAIN error for a work pool from the operating system.
Action	For details, see the reason code and response code from the operating system.

Error 152 : Error from CMFREMP during freemain ALL

:3:

Explanation	FREEMAIN error from the operating system during FREEMAIN ALL.
Action	For details, see the reason code and response code from the operating system.

Error 156 : Error from CMFREMP for a buffer outside of thread

:3:

Explanation	FREEMAIN error from the operating system for a buffer which is allocated outside of the thread.
Action	For details, see the reason code and response code from the operating system.

137 PARSE JSON: Reason Codes for Error Message NAT8331

If the JSON parsing process terminates with error message **NAT8331**, the JSON input document is syntactically invalid. The reason codes returned, along with **NAT8331**, represent the following meanings:

Reason Code	Explanation
001	An internal error has occurred, and the PARSE process cannot proceed.
002	There is a generic syntax error.
003	VALUE is missing, JSON document is BLANK, or the JSON document is represented in an incorrect Code Page.
004	KEY is missing.
005	COLON is missing.
006	Either a COMMA or a closing of an array or object is missing.
007	String not properly closed.
008	Invalid or unknown escape sequence in a string.
009	Invalid UTF-8 in a string.
010	The JSON document is empty.
111	Storage problem – out of memory.
112	Mismatch in brackets (e.g. "{]" or "[}").
113	Either a VALUE or a closing of an array or object is missing.
114	Either a KEY or a closing of an array or object is missing.
115	End-of-file missing.
116	Unescaped control character in a string.
117	Reached maximum size of JSON document.
118	Reached maximum value limit.

Reason Code	Explanation
119	Reached maximum nesting level.
120	Reached maximum number value.
121	Reached maximum string length.
122	Reached maximum key length.
123	Root type not allowed.

Reason Codes for Error Message NAT8331

138 PARSE XML: Reason Codes for Error Message NAT8311

If the XML parsing process terminates with error message **NAT8311**, the XML input document is syntactically invalid. The reason codes returned, along with **NAT8311**, represent the following meanings:

Reason Code	Explanation
101	Out of memory
102	Syntax error
103	No element found
104	Not well-formed (invalid token)
105	Unclosed token
106	Partial character
107	Mismatched tag
108	Duplicate attribute
109	Junk after document element
110	Illegal parameter entity reference
111	Undefined entity
112	Recursive entity reference
113	Asynchronous entity
114	Reference to invalid character number
115	Reference to binary entity
116	Reference to external entity in attribute
117	XML or text declaration not at start of entity
118	Unknown encoding
119	Encoding specified in XML declaration is incorrect
120	Unclosed CDATA section
121	Error in processing external entity reference

Reason Code	Explanation
122	Document is not standalone
123	Unexpected parser state – please send a bug report
124	Entity declared in parameter entity
125	Requested feature requires `XML_DTD` support in Expat
126	Cannot change setting once parsing has begun
127	Unbound prefix
128	Must not undeclare prefix
129	Incomplete markup in parameter entity
130	XML declaration not well-formed
131	Text declaration not well-formed
132	Illegal character(s) in public ID
133	Parser suspended
134	Parser not suspended
135	Parsing aborted
136	Parsing finished
137	Cannot suspend in external parameter entity
138	Reserved prefix (xml) must not be undeclared or bound to another namespace name
139	Reserved prefix (xmlns) must not be declared or undeclared
140	Prefix must not be bound to one of the reserved namespace names
141	Invalid argument
142	A successful prior call to function `XML_GetBuffer` is required
143	Limit on input amplification factor (from DTD and entities) breached

Reason Codes for Error Message NAT8311

139 Compression/Decompression Error Messages

- NUS0201 - INVALID OP.CODE OR FIRST ENTRY IS NOT THE COMPRESSION BUFFER 1388
- NUS0202 - NUMBER OF TABLE ELEMENTS IS ZERO 1388
- NUS0203 - NUMBER OF TABLE ELEMENTS IS GREATER MAX. 1388
- NUS0204 - TOTAL THREAD LENGTH LOWER COMPRESSED 1388
- NUS0205 - BUFFER TYPE MISSING 1389
- NUS0206 - COMPRESSED BUFFER GREATER TOTAL LENGTH 1389
- NUS0207 - TOTAL LENGTH GREATER UPPER LIMIT 1389
- NUS0208 - INCORRECT TOTAL BUFFER LENGTH 1389
- NUS0209 - INCORRECT USED BUFFER LENGTH 1389
- NUS0210 - THREAD TOO SMALL FOR DECOMPRESSION 1390
- NUS0211 - BUFFER OFFSET/ADDRESS NOT POSITIVE 1390
- NUS0212 - ERROR IN BUFFER SORT SEQUENCE 1390
- NUS0213 - INCORRECT BUFFER OVERLAPPING 1390
- NUS0214 - TOTAL OR USED BUFFER LENGTH IS INVALID 1390
- NUS0215 - INVALID THREAD STATUS FOR OPERATION 1391
- NUS0216 - INVALID BUFFER LENGTH IN PREFIX 1391
- NUS0217 - INVALID LENGTH LOW END IN PREFIX 1391
- NUS0218 - INVALID LENGTH HIGH END IN PREFIX 1391
- NUS0219 - INVALID LENGTH BEFORE COMPR. BUFFER 1391
- NUS0220 - CMCCBR CALLED WITH COMPRESSED THREAD 1392
- NUS0221 - CMCCBR THREAD STATUS IS UNDEFINED 1392
- NUS0222 - INVALID BUFFER ID OR EYE CATCHER DESTROYED 1392
- NUS0223 - ERROR FROM CMFREMP FOR OUTSIDE BUFFER 1392
- NUS0224 - PHYS.GETMAIN ERROR FOR A FIXED BUFFER BELOW 1392
- NUS0225 - PHYS.GETMAIN ERROR FOR A VAR.BUFFER BELOW 1393
- NUS0226 - FREE MAIN FOR WORKPOOLS NOT DONE 1393
- NUS0227 - STORAGE OVERFLOW - yyy BYTES GREATER zzz 1393
- NUS0228 - GETMAIN FOR BIT TABLE BUFFER FAILED 1393

This section lists the error messages (NUS0*2nn*) that may be issued by the Natural thread compression routine as a result of internal errors.

NUS0201 - INVALID OP.CODE OR FIRST ENTRY IS NOT THE COMPRESSION BUFFER

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0202 - NUMBER OF TABLE ELEMENTS IS ZERO

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0203 - NUMBER OF TABLE ELEMENTS IS GREATER MAX.

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0204 - TOTAL THREAD LENGTH LOWER COMPRESSED

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0205 - BUFFER TYPE MISSING

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0206 - COMPRESSED BUFFER GREATER TOTAL LENGTH

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0207 - TOTAL LENGTH GREATER UPPER LIMIT

Explanation	The Natural user thread is too small.
Action	Enlarge the Natural user thread.

NUS0208 - INCORRECT TOTAL BUFFER LENGTH

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0209 - INCORRECT USED BUFFER LENGTH

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0210 - THREAD TOO SMALL FOR DECOMPRESSION

Explanation	The Natural user thread is too small.
Action	Enlarge the Natural user thread.

NUS0211 - BUFFER OFFSET/ADDRESS NOT POSITIVE

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0212 - ERROR IN BUFFER SORT SEQUENCE

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0213 - INCORRECT BUFFER OVERLAPPING

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0214 - TOTAL OR USED BUFFER LENGTH IS INVALID

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0215 - INVALID THREAD STATUS FOR OPERATION

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0216 - INVALID BUFFER LENGTH IN PREFIX

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0217 - INVALID LENGTH LOW END IN PREFIX

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0218 - INVALID LENGTH HIGH END IN PREFIX

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0219 - INVALID LENGTH BEFORE COMPR. BUFFER

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0220 - CMCCBR CALLED WITH COMPRESSED THREAD

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0221 - CMCCBR THREAD STATUS IS UNDEFINED

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0222 - INVALID BUFFER ID OR EYE CATCHER DESTROYED

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0223 - ERROR FROM CMFREMP FOR OUTSIDE BUFFER

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0224 - PHYS.GETMAIN ERROR FOR A FIXED BUFFER BELOW

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0225 - PHYS.GETMAIN ERROR FOR A VAR.BUFFER BELOW

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0226 - FREE MAIN FOR WORKPOOLS NOT DONE

Explanation	Internal error.
Action	Send the corresponding dump to support.

NUS0227 - STORAGE OVERFLOW - yyy BYTES GREATER zzz

yyy	represents the number of bytes which exceed the value defined by the keyword parameters `OVSIZE` or `WPSIZE`.
zzz	represents the value defined for the operand of the keyword parameters `OVSIZE` or `WPSIZE` of the macro `NTPRM`.

Explanation	During a physical `GETMAIN`, one of the maximum sizes defined in the keyword parameters `OVSIZE` or `WPSIZE` in the macro `NTPRM` is exceeded.
Action	Increase the maximum size of `OVSIZE` or `WPSIZE` of the macro `NTPRM`.

NUS0228 - GETMAIN FOR BIT TABLE BUFFER FAILED

Explanation	Internal error.
Action	Send the corresponding dump to support.

140 Natural Global Buffer Pool Manager Messages

- Natural Global Buffer Pool Manager Syntax Error Messages 1396
- Natural Global Buffer Pool Manager Run-Time Messages 1397
- Natural Global Buffer Pool Manager Driver Messages 1399

This section contains the informational and error messages issued by the Natural Global buffer pool manager under z/OS.

All messages have the format:

```
GBPnnnn xxxxxxxx: message text
```

- where:

- *nnnn* is the message number.
- *xxxxxxxx* is the job name, under which the Natural global buffer pool is running.

For ease of use, the job name message portion has been omitted in the following list of messages. Notation in *italics* indicates a variable message portion.

Natural Global Buffer Pool Manager Syntax Error Messages

The Natural global buffer pool manager syntax error messages are self-explanatory with *xxxx* being the invalid command or parameter.

For appropriate command and parameter syntax, refer to *Natural Global buffer pool manager under z/OS* in the *Operations* documentation of Natural for z/OS.

Message Number	Message Text
GBP0001	Invalid command: *xxxx*
GBP0002	More than one command specified
GBP0003	Invalid parameter keyword: *xxxx*
GBP0004	Buffer pool name parameter missing
GBP0005	Invalid buffer pool name: *xxxx*
GBP0006	Leading parenthesis missing in NATBUFFER
GBP0007	Ending parenthesis missing in NATBUFFER
GBP0008	Buffer pool size not numeric: *xxxx*
GBP0009	Buffer pool size less than 100K: *xxxx*
GBP0010	Buffer pool size too large: *xxxx*
GBP0011	Invalid MODE specified: *xxxx*
GBP0012	Text block size not numeric: *xxxx*
GBP0013	Text block size must be 1,2,4,8,12 or 16, not *xxxx*
GBP0014	Invalid buffer pool type: *xxxx*
GBP0015	Invalid preload list name: *xxxx*
GBP0016	Invalid sub-system ID: *xxxx*

GBP0017	IDLE time not numeric: *xxxx*
GBP0018	IDLE time out of valid range: *xxxx*
GBP0019	Buffer pool cache size not numeric: *xxxx*
GBP0020	Buffer pool cache size out of valid range: *xxxx*
GBP0021	RESIDENT must be Y or N or A, not *xxxx*
GBP0022	METHOD must be S or N, not *xxxx*
GBP0023	CONFIRM must be Y or N, not *xxxx*
GBP0024	PLUGIN must be BP or NOBP, not *xxxx*
GBP0025	REGISTER must be Y or N, not *xxxx*
GBP0026	NAT buffer pool size less than 256K: *xxxx*
GBP0029	CC must be Y or N, not *xxxx*

Natural Global Buffer Pool Manager Run-Time Messages

In the following table, *error-info* format is:

failing function (macro), sub-function, request return (RC) or cancel code (CC), request failure reason code

Please see the relevant IBM documentation for an explanation of the return or abend codes of the relevant IBM request macro.

Message Number	Message Text
GBP0000	*xxxx* (dummy message consisting only of a variable message part)
GBP0098	Parameter module missing or invalid: *pgm-name*
GBP0099	Message text module missing or invalid: *pgm-name*
GBP0100	No parameters specified
GBP0101	Specified parms: *xxxx*
GBP0102	Operator input: *xxxx*
GBP0103	Input from file: *xxxx*
GBP0104	Mandatory module missing or invalid: *pgm-name*
GBP0105	Storage could not be obtained: *xxxx*
GBP0106	FREEMAIN not successful
GBP0107	NAME/TOKEN service failure: *error-info*
GBP0108	Buffer pool manager module incompatible: *pgm-name*
GBP0109	Pool (de)allocation failure: *error-info*
GBP0110	GBP not active: *gbp-name/subsid*
GBP0111	GBP active: *gbp-name/subsid* - DIR=*dir-addr* ADDR=*gbp-addr*

GBP0112	GBP refreshed: *gbp-name*/*subsid* - DIR=*dir-addr* ADDR=*gbp-addr*
GBP0113	GBP stopped: *gbp-name*/*subsid* - DIR=*dir-addr* ADDR=*gbp-addr*
GBP0114	GBP already active: *gbp-name*/*subsid* - DIR=*dir-addr* ADDR=*gbp-addr*
GBP0115	GBP still in use: *gbp-name*/*subsid* - DIR=*dir-addr* ADDR=*gbp-addr*
GBP0116	Associated GBP has been lost *gbp-name*/*subsid*
GBP0117	Shutdown forced for GBP *gbp-name*/*subsid*
GBP0118	Reply Y to force shutdown of GBP *gbp-name*/*subsid*
GBP0119	Shutdown aborted, reply was *x*
GBP0120	Creating cache for GBP: *gbp-name*/*subsid*
GBP0121	Deleting cache for GBP: *gbp-name*/*subsid*
GBP0122	GBP cache creation failure: *error-info*
GBP0123	GBP cache deletion failure: *error-info*
GBP0124	Data Space: GBP cache created: *cache-name, cache-token, cache-ALET, KEY* Memory Object (above the bar): GBP cache created: *MEMOBJ, address, cache-token, size, KEY*
GBP0125	Data Space: GBP cache deleted: *cache-name, cache-token, cache-ALET* Memory Object (above the bar): GBP cache deleted: *MEMOBJ, address*
GBP0126	ALET stack overflow. Cannot create GBP cache
GBP0127	Cache already exists for GBP: *gbp-name*/*subsid*
GBP0128	No cache available for GBP: *gbp-name*/*subsid*
GBP0129	GBP cache not owned by job *job-name*
GBP0130	No global buffer pool available for SUBSID: *subsid*
GBP0131	List of all global buffer pools with SUBSID: *subsid*
GBP0132	BP-Name/SUBSID Size(KB) A(GBP) A(DIR) Cache-ALET/ADDR----- Size-Owner--- Key
GBP0133	About to shutdown the following global buffer pools
GBP0134	Reply Y to continue shutdown of global buffer pools
GBP0135	No global buffer pool matching selection criteria
GBP0136	Job does not own GBP cache(s)
GBP0137	GBP cache(s) owned by job *job-name*
GBP0138	Data space cache not supported in non-ESA environment
GBP0139	GBP(s) owned by job: *job-name*
GBP0140	RESIDENT=N ignored due to owning GBP cache(s):

GBP0141	TERMINATE aborted due to owning GBP cache(s):
GBP0142	RESIDENT=N ignored due to owning GBP(s):
GBP0143	TERMINATE aborted due to owning GBP(s):
GBP0144	GBP not allocated due to user key pool not possible
GBP0145	Global parameter settings: *xxxx*
GBP0149	Service request failure: *service*, *error-info*
GBP0150	Formatted dump
GBP0151	Formatted dump for GBP *gbp-name*/*subsid*
GBP0154	Global buffer pool manager not operational
GBP0158	Bad retcode from NATBPMG4, function REINIT: *rtc*
GBP0159	Bad retcode from NATBPMG4, function INIT: *rtc*
GBP0197	No Zaps applied
GBP0198	Applied Zaps:
GBP0199	Natural Global Buffer Pool Manager Version: *xxxx*

Natural Global Buffer Pool Manager Driver Messages

In the following table, *error-info* format is:

failing function (macro), sub-function, request return (RC) or cancel code (CC), request failure reason code

Please see the relevant IBM documentation for an explanation of the return or abend codes of the relevant IBM request macro.

The following messages are listed below:

- Messages Issued by the Global Buffer Pool Manager Operating-system-dependent Driver Modules
- Messages Issued by the Global Buffer Pool Manager z/OS Driver Module

Messages Issued by the Global Buffer Pool Manager Operating-system-dependent Driver Modules

Message Number	Message Text
GBP0200	Specified file does not exist: *file-name*
GBP0201	Reading parm input from file *file-name*
GBP0202	EOF encountered reading file *file-name*
GBP0203	Error reading file *file-name*
GBP0204	Subsystem storage protection feature is required
GBP0205	Insufficient authorization: *error-info*

GBP0206	Job cancelled by operator
GBP0207	Job cancelled due to unrecoverable abend *abend-code*

Messages Issued by the Global Buffer Pool Manager z/OS Driver Module

Message Number	Message Text
GBP0300	Sorry, z/OS is required
GBP0301	Only `MODIFY` or `STOP` commands allowed
GBP0302	`STOP` command received from operator
GBP0303	GBP allocated in system key due to `ALLOWUSERKEYCSA(NO)`

141 Message Buffer Pool Messages

- MTBP001 - Work buffer could not be obtained 1403
- MTBP002 - Bad return code from IEANTRT: xxxx 1403
- MTBP003 - Bad return code from IEANTCR: xxxx 1403
- MTBP004 - Allocation of an ECSA directory segment failed: xxxx 1403
- MTBP005 - A recursive abend occurred. Now waiting for CANCEL cmd. 1404
- MTBP006 - Message BP handler is active 1404
- MTBP007 - Other than MODIFY or STOP command received 1404
- MTBP008 - Received command: xxxx 1404
- MTBP009 - Invalid command, nothing specified 1404
- MTBP010 - Negative command/keyword length encountered 1405
- MTBP011 - Invalid command: xxxx 1405
- MTBP012 - More than one command: xxxx 1405
- MTBP013 - Invalid parameter keyword: xxxx 1405
- MTBP014 - Invalid BPNAME specified 1405
- MTBP015 - Invalid SUBSID specified 1406
- MTBP016 - Invalid SIZE specified 1406
- MTBP017 - Buffer pool is already allocated: xxxx 1406
- MTBP018 - Allocation of IDT segment failed: xxxx 1406
- MTBP019 - DSPSERV CREATE failed with reason: xxxx 1406
- MTBP020 - ALESERV ADD failed with return code: xxxx 1407
- MTBP021 - Subsystem not active: xxxx 1407
- MTBP022 - Buffer pool not active: xxxx 1407
- MTBP023 - ALESERV DELETE failed with return code: xxxx 1407
- MTBP024 - DSPSERV DELETE failed with reason code: xxxx 1407
- MTBP025 - Message BP is deactivated now: xxxx 1408
- MTBP026 - Message BP is active now: xxxx 1408
- MTBP027 - Buffer pool table is full 1408
- MTBP028 - Other than MODIFY or STOP command received 1408
- MTBP029 - Allocation of LX memory failed: xxxx 1408
- MTBP030 - DDNAME missing for input file: xxxx 1409
- MTBP031 - DDNAME not specified or invalid 1409
- MTBP032 - OPEN for command input file failed: xxxx 1409

- MTBP033 - No Zaps are applied 1409
- MTBP034 - DD statement for SNAP missing: xxxx 1409
- MTBP035 - OPEN for SNAP failed: xxxx 1410
- MTBP036 - DDNAME too long 1410
- MTBP037 - Invalid value specified for AREA 1410
- MTBP038 - Invalid BPLIST specified 1410
- MTBP039 - Buffer pool poolname owned by other task 1410
- MTBP040 - Startup parameter: parameter 1411
- MTBP041 - Operator command: command 1411
- MTBP042 - OPEN command file: filename 1411
- MTBP043 - CLOSE command file: filename 1411
- MTBP044 - Wrong ECSAD version: version 1411
- MTBP045 - Dataspace created: dataspace name, token, ALET, TaskId 1412

This section contains the messages that may be issued by the message buffer pool.

For information on this buffer pool, see *Message Buffer Pool* in the section *Operations*of the documentation of Natural .

MTBP001 - Work buffer could not be obtained

Explanation	Work buffer could not be obtained.
Action	Check if there is memory saturation on your system.

MTBP002 - Bad return code from IEANTRT: xxxx

Explanation	Bad return code from IEANTRT: *xxxx*.
Action	Contact support.

MTBP003 - Bad return code from IEANTCR: xxxx

Explanation	Bad return code from IEANTCR: *xxxx*.
Action	Contact support.

MTBP004 - Allocation of an ECSA directory segment failed: xxxx

Explanation	Allocation of an ECSA directory segment failed: *xxxx*.
Action	Contact support.

MTBP005 - A recursive abend occurred. Now waiting for CANCEL cmd.

Explanation	A recursive abend occurred. Now waiting for CANCEL command.
Action	Contact support.

MTBP006 - Message BP handler is active

Explanation	A Message Buffer Pool handler can only be started once for the same subsystem ID.
Action	None.

MTBP007 - Other than MODIFY or STOP command received

Explanation	The received command is different from MODIFY or STOP.
Action	Use only MODIFY or STOP TSO commands. No other TSO commands are allowed.

MTBP008 - Received command: xxxx

Explanation	This is the command that has been issued.
Action	None.

MTBP009 - Invalid command, nothing specified

Explanation	Invalid command, nothing specified.
Action	Specify a valid command.

MTBP010 - Negative command/keyword length encountered

Explanation	Negative command/keyword length encountered.
Action	Contact support.

MTBP011 - Invalid command: xxxx

Explanation	The issued command is unkown or not allowed.
Action	Specify a valid command.

MTBP012 - More than one command: xxxx

Explanation	More than one command: *xxxx*.
Action	Contact support.

MTBP013 - Invalid parameter keyword: xxxx

Explanation	Invalid parameter keyword: *xxxx*.
Action	Specify valid parameter keyword(s).

MTBP014 - Invalid BPNAME specified

Explanation	The syntax of the buffer pool name is not correct.
Action	Check the syntax of the buffer pool name.

MTBP015 - Invalid SUBSID specified

Explanation	The syntax of the subsystem-ID is not correct.
Action	Check the syntax of the subsystem-ID.

MTBP016 - Invalid SIZE specified

Explanation	Invalid SIZE specified.
Action	Specify the size of the message buffer pool as an integer value in the correct range.

MTBP017 - Buffer pool is already allocated: xxxx

Explanation	The specified buffer pool name is already active. You cannot have more than one job for a given buffer pool.
Action	None.

MTBP018 - Allocation of IDT segment failed: xxxx

Explanation	Allocation of IDT segment failed: *xxxx*.
Action	Contact support.

MTBP019 - DSPSERV CREATE failed with reason: xxxx

Explanation	DSPSERV CREATE failed with reason: *xxxx*.
Action	Contact support.

MTBP020 - ALESERV ADD failed with return code: xxxx

Explanation	ALESERV ADD failed with return code: *xxxx*.
Action	Contact support.

MTBP021 - Subsystem not active: xxxx

Explanation	Message Buffer pool must be started after NATASM*vr* and/or NATRSM*vr*.
Action	Start NATASM*vr* and/or NATRSM*vr* before starting NATMBP*vr*.

MTBP022 - Buffer pool not active: xxxx

Explanation	Buffer pool not active: *xxxx*.
Action	Contact support.

MTBP023 - ALESERV DELETE failed with return code: xxxx

Explanation	ALESERV DELETE failed with return code: *xxxx*.
Action	Contact support.

MTBP024 - DSPSERV DELETE failed with reason code: xxxx

Explanation	DSPSERV DELETE failed with reason code: *xxxx*.
Action	Contact support.

MTBP025 - Message BP is deactivated now: xxxx

Explanation	This is an information message.
Action	None.

MTBP026 - Message BP is active now: xxxx

Explanation	This is an information message.
Action	None.

MTBP027 - Buffer pool table is full

Explanation	Buffer pool table is full.
Action	Contact support.

MTBP028 - Other than MODIFY or STOP command received

Explanation	The received command is different from MODIFY or STOP.
Action	Use only MODIFY or STOP TSO commands. No other TSO commands are allowed.

MTBP029 - Allocation of LX memory failed: xxxx

Explanation	Allocation of LX memory failed: *xxxx*.
Action	Contact support.

MTBP030 - DDNAME missing for input file: xxxx

Explanation	DDNAME missing for input file: *xxxx*.
Action	Make sure a dataset with the given DDNAME is specified in the JCL.

MTBP031 - DDNAME not specified or invalid

Explanation	The syntax of the DDNAME is invalid, or no DDNAME is specified at all.
Action	Check the syntax of DDNAME.

MTBP032 - OPEN for command input file failed: xxxx

Explanation	OPEN for command input file failed: *xxxx*.
Action	Check the access level of the specified dataset.

MTBP033 - No Zaps are applied

Explanation	No Zaps are applied.
Action	Contact support.

MTBP034 - DD statement for SNAP missing: xxxx

Explanation	DD statement for SNAP missing: *xxxx*.
Action	Make sure that there is a DDNAME for a SNAP dump.

MTBP035 - OPEN for SNAP failed: xxxx

Explanation	OPEN for SNAP failed: *xxxx*.
Action	Conact support.

MTBP036 - DDNAME too long

Explanation	A DDNAME must have a length between 1 and 8 characters.
Action	Check the length of the DDNAME.

MTBP037 - Invalid value specified for AREA

Explanation	Invalid value specified for AREA.
Action	Specify a valid value for AREA (ALL|HT|TEXT|CB|COMM).

MTBP038 - Invalid BPLIST specified

Explanation	Invalid BPLIST specified.
Action	Specify a name with a length between 1 and 8 characters.

MTBP039 - Buffer pool poolname owned by other task

Explanation	There is a sharing conflict with the buffer pool.
Action	Check if another active configuration is using the same pool name.

MTBP040 - Startup parameter: parameter

Explanation	The startup parameters are echoed to JESMSGLG.
Action	None.

MTBP041 - Operator command: command

Explanation	The Message Buffer Pool Server echoes operator commands to JESMSGLG.
Action	None.

MTBP042 - OPEN command file: filename

Explanation	The name of the command file is echoed to JESMSGLG.
Action	None.

MTBP043 - CLOSE command file: filename

Explanation	The name of the command file is echoed to JESMSGLG.
Action	None.

MTBP044 - Wrong ECSAD version: version

Explanation	The Message Buffer Pool Server is started while there is still an ECSA-Directory present for another version of the Message Buffer Pool Server for this subsystem-ID.
Action	Rename the subsystem-ID, IPL the system, or start NATASMvr with option `ECSADUPD`.

MTBP045 - Dataspace created: dataspace name, token, ALET, TaskId

Explanation	Diagnostic message for support.
Action	Report the SYSOUT containing this message to support when requested.

142 Roll Server Messages

- RSM0001 - Subsystem ID invalid 1418
- RSM0002 - Roll file number not numeric 1418
- RSM0003 - Invalid number of roll files 1418
- RSM0004 - Number of LRB slots not specified 1419
- RSM0005 - Number of LRB slots not numeric 1419
- RSM0006 - Number of LRB slots > 32767 1419
- RSM0007 - Invalid CF structure name 1419
- RSM0008 - Bad return code from IEANTRT: rc 1419
- RSM0009 - DCB buffer could not be obtained. Reason: reasoncode 1420
- RSM0010 - OPEN failed for DDNAME: ddname 1420
- RSM0011 - Duplicate roll file DSN 1420
- RSM0012 - Temp roll file buffer could not be obtained. Reason: reasoncode 1420
- RSM0013 - RF directory buffer could not be obtained. Reason: reasoncode 1420
- RSM0014 - LRB directory could not be obtained. Reason: reasoncode 1421
- RSM0015 - Unrecognized parameter or invalid value in parameter file 1421
- RSM0017 - Size for LRB > 524287 blocks 1421
- RSM0018 - LX table could not be obtained. Reason: reasoncode 1421
- RSM0019 - Roll Server Version vrs is active 1421
- RSM0020 - Subtask terminated: taskinfo, number of treated requests: nnnnn 1422
- RSM0021 - Subtask termination initiated 1422
- RSM0022 - All subtasks terminated 1422
- RSM0023 - Other than MODIFY or STOP command received: command 1422
- RSM0026 - Command allowed in active state only: command 1423
- RSM0027 - Unknown command command 1423
- RSM0029 - Recursive abend in maintask. Now waiting for CANCEL command 1423
- RSM0030 - Low Water Mark not numeric or invalid 1423
- RSM0031 - High Water Mark not numeric or invalid 1423
- RSM0032 - Too few/many parameters for command 1424
- RSM0033 - All resources deallocated 1424
- RSM0036 - DUMP successful for roll file n 1424
- RSM0037 - DUMP failed for roll file n 1424
- RSM0038 - SNAP failed. Task RB could not be obtained 1424

- RSM0039 - XES functions not available 1425
- RSM0040 - IXLCONN unsuccessful. Reason code: reasoncode 1425
- RSM0041 - CF initialization successful for list: n 1425
- RSM0042 - CF initialization failed for list/RSN code: reasoncode 1425
- RSM0043 - IXCJOIN failed. Return/Reason code: reasoncode 1426
- RSM0044 - Act conn buffer could not be obtained 1426
- RSM0045 - Applied zaps: 1426
- RSM0046 - Roll file in use by job jobname ASID asid 1426
- RSM0047 - Operator command: command 1427
- RSM0048 - IARV64 GETSTOR failed. Return code: rc 1427
- RSM0049 - Disconnected from CF with RSN=FAILURE 1427
- RSM0050 - Disconnected from CF with RSN=NORMAL 1427
- RSM0051 - Roll file n is newer than the CF structure 1428
- RSM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT 1428
- RSM0053 - Not enough memory for SNAP 1428
- RSM0054 - OPEN for SYSUDUMP failed 1428
- RSM0055 - CF structure does not contain enough lists 1429
- RSM0056 - LRB slotsize invalid or not numeric 1429
- RSM0057 - Bad return code from IEANTCR: rc 1429
- RSM0058 - Rollserver already active in subsid: Job jobname ASID asid 1429
- RSM0059 - Roll file ddname is below version 412 1430
- RSM0060 - User exit exitname loaded at: address, info = load-info 1430
- RSM0061 - Slot size must be specified when no roll files are used 1430
- RSM0062 - Running with in-core roll file 1430
- RSM0063 - Coupling Facility will not be used 1430
- RSM0064 - High/low water marks ignored 1431
- RSM0065 - XES Event exit received unexpected event type: nn 1431
- RSM0066 - REBUILD Start: CF structure temporarily unavailable 1431
- RSM0067 - REBUILD End: CF structure available again 1431
- RSM0068 - LRB slot size parameter ignored 1432
- RSM0069 - Invalid non-activity time 1432
- RSM0070 - Invalid timeout check time 1432
- RSM0072 - Timeout processing starting. Delete sessions older than duration hours 1432
- RSM0073 - Scheduled/Operator timeout processing deleted n sessions 1433
- RSM0074 - Timeout processing ended with return code rc 1433
- RSM0075 - TIMEOUT ON/NOW rejected: No valid timeout parameters 1433
- RSM0076 - Timeout processing disabled 1433
- RSM0077 - Specify TIMEOUT parameter NAT, NOW, ON, OFF, RSM0077 - REPEAT, TERSE, TOC, VERBOSE, or ? 1434
- RSM0078 - Invalid parameter: parameter 1434
- RSM0081 - Compression task n started successfully 1434
- RSM0082 - Compression task could not be started: Error n 1434
- RSM0083 - Roll Server not in active state. TIMEOUT aborted 1435
- RSM0084 - Low water mark cannot be above high water mark 1435
- RSM0085 - Module NATRSCMP not linked: Roll compression disabled 1435

- RSM0086 - Roll compression will run on zIIP 1435
- RSM0087 - Enclave could not be created for SRB: n 1436
- RSM0088 - Enclave could not be redirected for SRB: n 1436
- RSM0089 - No zIIP available. Roll compression will run on GP 1436
- RSM0090 - DDNAME ddname does not designate a VSAM LINEAR file 1436
- RSM0091 - Unexpected reason code code opening DDNAME ddname 1436
- RSM0092 - Wrong ECSAD version: version 1437
- RSM0096 - UserID: user_id_txt x(user_id_hex) 1437
- RSM0097 - Last active: TODR_last_active File/Slot.No: file_nbr/slot_nbr 1437
- RSM0098 - Release of erroneous WAP by RETWAPERR 1437
- RSM0099 - Storage Obtain error in Staging Task. RC=rc 1437
- RSM0100 - Interval counters have been reset by ASID asid and JobName jobname 1438
- RSM0101 - Connected to CF Structure with n slots 1438
- RSM0102 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx 1438
- RSM0103 - Reading parm input from file RSMPARM 1438
- RSM0104 - Invalid Trace option 1438
- RSM0105 - Invalid value for number of trace entries 1439
- RSM0106 - Invalid content for directory block for RF n 1439
- RSM0107 - ZAP at address/length by ASID asid and JobName jobname 1439
- RSM0108 - Old/New: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx 1439
- RSM0109 - > xxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx ! ..... ! 1439
- RSM0110 - Invalid addresses found: n 1440
- RSM0111 - ----- STCK ------ Address- -Offset- 1440
- RSM0117 - Serialization Start for item 1440
- RSM0118 - Serialization End for item 1440
- RSM0119 - Roll Server settings in effect: 1440
- RSM0120 - Start of Statistics 1441
- RSM0120 - End of Statistics 1441
- RSM0121 - Storage Obtain failed for TRACE AREA - RC= rc 1441
- RSM0122 - Storage Release failed for TRACE AREA - RC= rc 1441
- RSM0123 - SNAP processing started 1442
- RSM0124 - SNAP processing terminated 1442
- RSM0125 - Module module/modvers loaded 1442
- RSM0131 - Environment error detected. SubRC: subrc 1442
- RSM0133 - DEAL and START commands are no longer supported 1442
- RSM0190 - +++++ Start of Diagnostics +++++ 1443
- RSM0190 - +++++ End of Diagnostics +++++ 1443
- RSM0313 - NATRSCMP return code 99. Diagnostic data follows: 1443
- RSM0314 - NATRSCMP return code 8. UserID and error message follow: 1443
- RSM0315 - DUMP requested by NATRSCMP. Check SYSUDUMP data set 1444
- RSM0316 - RSPRB in Primary: address RSPRB in Secondary: address 1444
- RSM0317 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx 1444
- RSM0451 - Natural subsystem ID: subsid 1444
- RSM0452 - Number of Roll Files: nnn 1444
- RSM0453 - Number of LRB slots per Roll File: nnn 1445

- RSM0454 - Non-activity time: nnn hours 1445
- RSM0455 - Timeout check scheduled for hh:mm 1445
- RSM0456 - Timeout check not scheduled 1445
- RSM0457 - Non-activity time not set 1445
- RSM0458 - Timeout check is enabled / disabled 1446
- RSM0459 - Invalid REPEAT value. Specify 0 to 1440 minutes 1446
- RSM0460 - REPEAT interval set to nnn minutes 1446
- RSM0461 - REPEAT interval not set 1446
- RSM0462 - LRB slot size: nnn bytes 1446
- RSM0463 - roll_file_name: 1447
- RSM0464 - n slots of size bytes each 1447
- RSM0466 - Coupling Facility structure name: CF_name 1447
- RSM0467 - Staging low/high water marks: low/high slots 1447
- RSM0468 - Scan overflow slots enabled/disabled 1447
- RSM0469 - Startup TOD = xxxxxxxx_xxxxxxxx. Local time = ±difference seconds 1448
- RSM0500 - +++++ start / end of Statistics +++++ 1448
- RSM0501 - Users currently allocated : nnn 1448
- RSM0502 - Roll File n: nnn 1448
- RSM0503 - Maximum users allocated (session) : nnn 1448
- RSM0504 - Total number of writes/errors: nnn nnnnnn 1449
- RSM0505 - Number of direct writes: nnn 1449
- RSM0506 - Total number of reads/errors: nnn nnnnnn 1449
- RSM0507 - Number of direct reads: nnn 1449
- RSM0508 - Peak periods of write activity: 1449
- RSM0509 - Distribution of thread sizes: 1450
- RSM0510 - zIIP CPU time information in seconds: 1450
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- RSM0512 - Qualified zIIP CPU time: time 1450
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This section lists the messages that may be issued by the Natural Roll Server. Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

For information on Roll Server, see:

- *Natural Roll Server Functionality*
- *Natural Roll Server Operation*

In addition, refer to the relevant IBM documents mentioned below.

RSM0001 - Subsystem ID invalid

Explanation	A subsystem ID was specified that is longer than 4 characters.
Action	Specify a subsystem ID of 1 to 4 characters.

RSM0002 - Roll file number not numeric

Explanation	The second parameter is not a number.
Action	Specify a valid number.

RSM0003 - Invalid number of roll files

Explanation	A number greater than 5 was specified.
Action	Specify a number between 0 and 5.

RSM0004 - Number of LRB slots not specified

Explanation	The third parameter was omitted.
Action	This is a mandatory parameter. Specify a valid number.

RSM0005 - Number of LRB slots not numeric

Explanation	The third parameter is not a number.
Action	Specify a valid number.

RSM0006 - Number of LRB slots > 32767

Explanation	The number of LRB slots specified is too large.
Action	Specify a maximum of 32767 LRB slots.

RSM0007 - Invalid CF structure name

Explanation	A structure name of more than 16 characters was specified.
Action	Specify a structure name of 16 characters or less.

RSM0008 - Bad return code from IEANTRT: rc

Explanation	The Name/Token Service returned return code *rc*.
Action	See the latest IBM *MVS Programming: Authorized Assembler Services Reference* manual for information about the return code from the `IEANTRT` request.

RSM0009 - DCB buffer could not be obtained. Reason: reasoncode

Explanation	A STORAGE OBTAIN request failed with *reasoncode*.
Action	Increase virtual storage available to the Roll Server (the REGION option of the JCL EXEC statement).

RSM0010 - OPEN failed for DDNAME: ddname

Explanation	The roll file specified under DDNAME *ddname* could not be opened.
Action	Specify a valid roll file DSN.

RSM0011 - Duplicate roll file DSN

Explanation	The same DSN was specified for two roll file DDNAMEs.
Action	Specify unique DSNs for each roll file.

RSM0012 - Temp roll file buffer could not be obtained. Reason: reasoncode

Explanation	A STORAGE OBTAIN request failed with *reasoncode*.
Action	Increase virtual storage available to the Roll Server (the REGION option of the JCL EXEC statement).

RSM0013 - RF directory buffer could not be obtained. Reason: reasoncode

Explanation	A STORAGE OBTAIN request failed with *reasoncode*.
Action	Increase virtual storage available to the Roll Server (the REGION option of the JCL EXEC statement).

RSM0014 - LRB directory could not be obtained. Reason: reasoncode

Explanation	A `STORAGE OBTAIN` request failed with *`reasoncode`*.
Action	Increase virtual storage available to the Roll Server (the `REGION` option of the JCL `EXEC` statement).

RSM0015 - Unrecognized parameter or invalid value in parameter file

Explanation	An unknown keyword or invalid parameter value was found in the parameter file.
Action	Correct the parameter file.

RSM0017 - Size for LRB > 524287 blocks

Explanation	The number of LRB slots times LRB slot size exceeds 2 Gigabytes.
Action	Specify fewer LRB slots or a smaller slot size.

RSM0018 - LX table could not be obtained. Reason: reasoncode

Explanation	A `STORAGE OBTAIN` request failed with *`reasoncode`*.
Action	Increase virtual storage available to the Roll Server (the `REGION` option of the JCL `EXEC` statement).

RSM0019 - Roll Server Version vrs is active

Where *`vrs`* represents the relevant product version (see also *Version* in the Glossary).

Explanation	The Roll Server initialized successfully and is ready for work.
Action	None.

RSM0020 - Subtask terminated: taskinfo, number of treated requests: nnnnn

Explanation	The subtask indicated by *taskinfo* has terminated.
Action	Contact support.

RSM0021 - Subtask termination initiated

Explanation	In response to a TERM or DEAL operator command, the Roll Server has started to terminate its subtasks.
Action	None.

RSM0022 - All subtasks terminated

Explanation	In response to a TERM or DEAL operator command, the process of terminating the subtasks is finished.
Action	None.

RSM0023 - Other than MODIFY or STOP command received: command

Explanation	The Roll Server received a CIBVERB other than MODIFY or STOP.
Action	Contact support.

RSM0026 - Command allowed in active state only: command

Explanation	In deallocated (DEAL) state, the Roll Server cannot accept operator command *command*.
Action	Issue the START operator command, then repeat the rejected command.

RSM0027 - Unknown command command

Explanation	An invalid operator command was issued to the Roll Server.
Action	Check for typing error and correct.

RSM0029 - Recursive abend in maintask. Now waiting for CANCEL command

Explanation	An abend occurred during abend recovery.
Action	Cancel the Roll Server started task and Contact support.

RSM0030 - Low Water Mark not numeric or invalid

Explanation	The sixth parameter is not a number or exceeds 10.
Action	Specify a low water mark between 0 and 10.

RSM0031 - High Water Mark not numeric or invalid

Explanation	The seventh parameter is not a number or exceeds 10.
Action	Specify a high water mark between 0 and 10.

RSM0032 - Too few/many parameters for command

Explanation	The number of parameters is not the one that has been expected.
Action	Correct the number of parameters.

RSM0033 - All resources deallocated

Explanation	In response to a `DEAL` (deallocate) operator command, the Roll Server is now in deallocated state.
Action	None.

RSM0036 - DUMP successful for roll file n

Explanation	Slots from the Local Roll Buffer and the Roll File Directory were successfully written to Roll File *n* on disk.
Action	None.

RSM0037 - DUMP failed for roll file n

Explanation	The Roll Server was unable to write slots and directory to Roll File *n*.
Action	Look for accompanying messages indicating the error situation that prevented a successful dump.

RSM0038 - SNAP failed. Task RB could not be obtained

Explanation	A `STORAGE OBTAIN` request failed.
Action	Increase virtual storage available to the Roll Server (the `REGION` option of the JCL `EXEC` statement).

RSM0039 - XES functions not available

Explanation	Environmental error. XES functions are not available. This can occur because the coupling facility hardware necessary to provide XES functions is not present.
Action	Re-IPL the system or contact IBM support.

RSM0040 - IXLCONN unsuccessful. Reason code: reasoncode

Explanation	A connection to the Coupling Facility structure specified as fifth parameter could not be established.
Action	Determine the meaning of the reason code in the IBM document *z/OS Programming: Sysplex Services Reference* and follow the indicated action.

RSM0041 - CF initialization successful for list: n

Explanation	The Roll File Directory for Roll File *n* was established in the list structure specified as fifth parameter.
Action	None.

RSM0042 - CF initialization failed for list/RSN code: reasoncode

Explanation	The Roll File Directory for Roll File *n* could not be established in the list structure specified as fifth parameter. The reason codes are as follows:	
	12	STORAGE OBTAIN failed.
	16	An abend occurred during initialization.
	20	The Structure is allocated too small to hold the Roll File Directory.
	24	Structure failure or connectivity lost.
Action	For Reason Code 12:	Increase virtual storage available to the Roll Server (the REGION option of the JCL EXEC statement).
	For Reason Code 16:	Contact support.
	For Reason Code 20:	Define a larger size for the CF structure in the CFRM policy.

	For Reason Code 24:	Reset the structure using operator command `SETXCF FORCE,STR,STRNAME=`*`name`*. If the error persists, contact IBM support.

RSM0043 - IXCJOIN failed. Return/Reason code: reasoncode

Explanation	The Roll Server could not join its IXC message group.
Action	Determine the meaning of the reason code in the IBM document *`z/OS Programming: Sysplex Services Reference`* and follow the indicated action.

RSM0044 - Act conn buffer could not be obtained

Explanation	A `STORAGE OBTAIN` request failed.
Action	Increase virtual storage available to the Roll Server (the `REGION` option of the JCL `EXEC` statement).

RSM0045 - Applied zaps:

Explanation	This message is issued when zaps are applied to the Roll Serve, followed by a list of applied zaps.
Action	None.

RSM0046 - Roll file in use by job jobname ASID asid

Explanation	The Roll Server cannot start because another Roll Server is using a roll file. The other Roll Server is running in job or started task named *`jobname`* with address space identifier *`asid`*. The message is followed by the roll file's DSN.
Action	Ensure that all Roll Servers have dedicated roll files.

RSM0047 - Operator command: command

Explanation	The Roll Server echoes operator commands to JESMSGLG.
Action	None.

RSM0048 - IARV64 GETSTOR failed. Return code: rc

Explanation	The Roll Server uses Memory Objects for the Local Roll Buffers. The Memory Objects are acquired using the IARV64 services. A GETSTOR function failed.
Action	Determine the action in the IARV64 description in the current IBM document *MVS Programming: Authorized Assembler Services Reference* manual.

RSM0049 - Disconnected from CF with RSN=FAILURE

Explanation	The Roll Server disconnected from the Coupling Facility structure with parameter REASON=FAILURE in order to notify other participating Roll Servers of its own termination with failure.
Action	None.

RSM0050 - Disconnected from CF with RSN=NORMAL

Explanation	The Roll Server disconnected from the Coupling Facility structure with parameter REASON=NORMAL in order to notify other participating Roll Servers of its own normal termination.
Action	None.

RSM0051 - Roll file n is newer than the CF structure

Explanation	A roll file was newly formatted, but the Coupling Facility structure still contains its Roll File Directory.
Action	After formatting a roll file, re-initialize the CF structure using operator command `SETXCF FORCE,STR,STRNAME=`*name*.

RSM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT

Explanation	Not enough memory in Memory Objects could be allocated to hold the Local Roll Buffer(s). The allocatable amount is controlled by the `MEMLIMIT` parameter of the JCL `EXEC` statement and SMF exit `IEFUSI`.
Action	Increase the amount of usable storage in the `MEMLIMIT` parameter, or change the `IEFUSI` exit.

RSM0053 - Not enough memory for SNAP

Explanation	A SNAP dump could not be taken because a `STORAGE OBTAIN` request failed.
Action	Increase virtual storage available to the Roll Server (the `REGION` option of the JCL `EXEC` statement).

RSM0054 - OPEN for SYSUDUMP failed

Explanation	A SNAP dump could not be taken because `SYSUDUMP` could not be opened.
Action	Ensure that the Roll Server job or started task includes a DD statement for `SYSUDUMP`.

RSM0055 - CF structure does not contain enough lists

Explanation	For each roll file, the Roll Server maintains its directory in a separate list in the CF structure. The existing structure has fewer lists than the number of roll files to be used.
Action	Re-initialize the CF structure using operator command `SETXCF FORCE,STR,STRNAME=`*`name`*, or use fewer roll files.

RSM0056 - LRB slotsize invalid or not numeric

Explanation	The fourth parameter is either not numeric or greater than `10000000`.
Action	Correct typing error or specify a smaller LRB slot size.

RSM0057 - Bad return code from IEANTCR: rc

Explanation	The Name/Token Service denied a create request with return code *`rc`*.
Action	Determine the action from the description of `IEANTCR` in the latest IBM document *`MVS Programming: Authorized Assembler Services Reference`* manual.

RSM0058 - Rollserver already active in subsid: Job jobname ASID asid

Explanation	The Roll Server determined that in the Natural subsystem specified in the first parameter, *`subsid`*, another Roll Server is already active. The other Roll Server is running in job or started task named *`jobname`*, with address space identifier *`asid`*.
Action	Start only one Roll Server per Natural subsystem per MVS image.

RSM0059 - Roll file ddname is below version 412

Explanation	The roll file specified in *ddname* has an incompatible format.
Action	Reformat the roll file using `NATRSRFI`. See *Natural Roll Server Operation* in the Natural *Operations* documentation.

RSM0060 - User exit exitname loaded at: address, info = load-info

Explanation	User exit *exitname* is loaded and will be called to allocate users to roll files.
Action	None.

RSM0061 - Slot size must be specified when no roll files are used

Explanation	When running without roll files, a default value for the LRB slot size cannot be determined.
Action	Specify LRB slot size as fourth parameter.

RSM0062 - Running with in-core roll file

Explanation	The second parameter specified `0` for the number of roll files. Natural threads are held in Local Roll Buffer slots only and are lost when the Roll Server terminates.
Action	None.

RSM0063 - Coupling Facility will not be used

Explanation	The second parameter specified `0` for the number of roll files, yet the fifth parameter specified a CF structure. To enable Natural to run on several MVS images in a Parallel Sysplex, the Roll Server needs to use roll files. Operation continues without roll files, but the Roll Server will not communicate with other Roll Servers in other MVS images.
Action	Specify roll files in a Parallel Sysplex, or do not specify a CF structure name with zero roll files.

RSM0064 - High/low water marks ignored

Explanation	The second parameter specified `0` for the number of roll files, yet low or high watermarks were also specified. With no roll files, low and high watermark are meaningless. Operation continues.
Action	Do not specify watermarks with zero roll files.

RSM0065 - XES Event exit received unexpected event type: nn

Explanation	The exit for the connection to the CF structure received an event type that it cannot handle. *nn* is the number corresponding to the event type.
Action	Contact support.

RSM0066 - REBUILD Start: CF structure temporarily unavailable

Explanation	Operator command `SETXCF START,REBUILD...` was issued for the Coupling Facility Structure that holds the Roll File Directory. Roll Server operation is quiesced until the Rebuild operation is complete.
Action	None.

RSM0067 - REBUILD End: CF structure available again

Explanation	Operator command `SETXCF START,REBUILD...` was issued for the Coupling Facility Structure that holds the Roll File Directory. Rebuild is now complete and the Roll Server resumes normal operation.
Action	None.

RSM0068 - LRB slot size parameter ignored

Explanation	When running with roll files, the roll file slot size determines the LRB slot size.
Action	Specify this parameter only when running without roll file.

RSM0069 - Invalid non-activity time

Explanation	The eighth start-up parameter (or `TIMEOUT NAT` command) is not numeric or greater than `10000000`.
Action	Specify a valid number.

RSM0070 - Invalid timeout check time

Explanation	The nineth start-up parameter (or `TIMEOUT TOC` command) is not numeric or not a valid time of day.
Action	Specify a valid time of the form *h*, *hh*, *hhm*, or *hhmm*.

RSM0072 - Timeout processing starting. Delete sessions older than duration hours

Explanation	The routine to detect and delete non-active sessions is running.
Action	None.

RSM0073 - Scheduled/Operator timeout processing deleted n sessions

Explanation	Timeout check has detected and deleted *n* sessions that had been inactive longer than the non-activity time specified as start-up parameter or with the `TIMEOUT NAT` command. Operator timeout processing was requested by the operator command `TIMEOUT NOW` while scheduled timeout processing was run according to the parameter settings.
Action	None.

RSM0074 - Timeout processing ended with return code rc

Explanation	The routine to detect and delete non-active sessions has ended with return code *rc*. In case of return code 12, *rc* takes the form *rc*/*rsn*, where *rsn* is the reason code.
Action	Check in ***Return Codes and Reason Codes of the Roll Server Requests*** for an explanation of the return and reason code, and action to be taken.

RSM0075 - TIMEOUT ON/NOW rejected: No valid timeout parameters

Explanation	No valid non-activity time and/or no valid timeout-check-time has been specified before this command was issued.
Action	For `TIMEOUT ON`, either specify non-activity time and timeout-check-time as start-up parameters, or precede the command with `TIMEOUT NAT` and `TIMEOUT TOC` commands. For `TIMEOUT NOW`, either specify non-activity time as start-up parameter or precede the command with `TIMEOUT NAT`.

RSM0076 - Timeout processing disabled

Explanation	Timeout processing was disabled by a `TIMEOUT OFF` command.
Action	None.

RSM0077 - Specify TIMEOUT parameter NAT, NOW, ON, OFF, RSM0077 - REPEAT, TERSE, TOC, VERBOSE, or ?

Explanation	The `TIMEOUT` operator command was issued with an invalid sub-parameter.
Action	For a valid `TIMEOUT` command syntax, refer to *Natural Roll Server Operation* in the Natural *Operations* documentation.

RSM0078 - Invalid parameter: parameter

Explanation	An invalid parameter was specified, or the last parameter was not `UCTRAN`.
Action	Correct the `PARM` string of the JCL `EXEC` statement.

RSM0081 - Compression task n started successfully

Explanation	The Roll Server has started an additional task to handle the compression and decompression work load.
Action	None.

RSM0082 - Compression task could not be started: Error n

Explanation	Error *n* occurred while the Roll Server was starting a new compression task.
Action	Contact support.

RSM0083 - Roll Server not in active state. TIMEOUT aborted

Explanation	The Roll Server has deallocated its resources due to the operator command `DEAL` or a subtask abnormal end. The `TIMEOUT` command cannot execute in this situation.
Action	Reactivate the Roll Server with the operator command `START`, or terminate the Roll Server and restart it.

RSM0084 - Low water mark cannot be above high water mark

Explanation	The low water mark must be below the high water mark.
Action	Correct the `PARM` string of the JCL `EXEC` statement, or the low water/high water values in the parameter file.

RSM0085 - Module NATRSCMP not linked: Roll compression disabled

Explanation	Module `NATRSCMP` must be linked to the Roll Server.
Action	Check the installation process of the Roll Server, and Contact support.

RSM0086 - Roll compression will run on zIIP

Explanation	The Roll Server has determined that the system includes one or more IBM System z Integrated Information Processors (zIIPs). Compression tasks will run as SRBs and be scheduled to run on the zIIP.
Action	None.

RSM0087 - Enclave could not be created for SRB: n

Explanation	Error *n* occurred when the Roll Server tried to create a Work Load Manager (WLM) enclave for the compression SRB.
Action	Contact support.

RSM0088 - Enclave could not be redirected for SRB: n

Explanation	Error *n* was returned by the IBM service that was called to specify CPU offload to an IBM System z Integrated Information Processor (zIIP).
Action	Contact support.

RSM0089 - No zIIP available. Roll compression will run on GP

Explanation	An IBM System z Integrated Information Processor (zIIP) is not installed. Thread compression and decompression will run on a general purpose processor.
Action	None.

RSM0090 - DDNAME ddname does not designate a VSAM LINEAR file

Explanation	The data set defined in the DD statement for *ddname* is a VSAM file but is not of type LINEAR.
Action	Specify a VSAM LINEAR file.

RSM0091 - Unexpected reason code code opening DDNAME ddname

Explanation	A warning return code was received with reason code *code* when opening a VSAM roll file.
Action	Check message IEC161I in your JESMSGLG and follow the instructions IBM provides for this message in their MVS System Messages documentation.

RSM0092 - Wrong ECSAD version: version

Explanation	NATRSMvr is started while there is still an ECSA-Directory present for another version of NATRSMvr for this subsystem-ID.
Action	Rename the subsystem-ID, IPL the system, or start NATASMvr with option `ECSADUPD`.

RSM0096 - UserID: user_id_txt x(user_id_hex)

Explanation	Diagnostic message.
Action	Contact support.

RSM0097 - Last active: TODR_last_active File/Slot.No: file_nbr/slot_nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0098 - Release of erroneous WAP by RETWAPERR

Explanation	Diagnostic message.
Action	Contact support.

RSM0099 - Storage Obtain error in Staging Task. RC=rc

Explanation	A `STORAGE OBTAIN` call by a Staging Task ended with a bad return code. This message reports this return code.
Action	None.

RSM0100 - Interval counters have been reset by ASID asid and JobName jobname

Explanation	Diagnostic message.
Action	Contact support.

RSM0101 - Connected to CF Structure with n slots

Explanation	Diagnostic message.
Action	Contact support.

RSM0102 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0103 - Reading parm input from file RSMPARM

Explanation	Diagnostic message.
Action	Contact support.

RSM0104 - Invalid Trace option

Explanation	Diagnostic message.
Action	Contact support.

RSM0105 - Invalid value for number of trace entries

Explanation	Diagnostic message.
Action	Contact support.

RSM0106 - Invalid content for directory block for RF n

Explanation	Diagnostic message.
Action	Contact support.

RSM0107 - ZAP at address/length by ASID asid and JobName jobname

Explanation	Diagnostic message.
Action	Contact support.

RSM0108 - Old/New: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0109 - > xxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx ! ..... !

Explanation	Diagnostic message.
Action	Contact support.

RSM0110 - Invalid addresses found: n

Explanation	Diagnostic message.
Action	Contact support.

RSM0111 - ----- STCK ------ Address- -Offset-

Explanation	Diagnostic message.
Action	Contact support.

RSM0117 - Serialization Start for item

Explanation	Diagnostic message.
Action	Contact support.

RSM0118 - Serialization End for item

Explanation	Diagnostic message.
Action	Contact support.

RSM0119 - Roll Server settings in effect:

Explanation	This message is issued at Roll Server start-up. It is followed by several `RSM0119` messages of varying contents, summarizing parameters in effect for this run. Selected `RSM0119` messages are also issued in response to the `TIMEOUT` operator command.
Action	None.

RSM0120 - Start of Statistics

Explanation	This message is issued during shut-down and in response to the `STATS` operator command. Several `RSM0120` statistics messages with varying text follow this message.
Action	None.

RSM0120 - End of Statistics

Explanation	This message is issued during shut-down and in response to the `STATS` operator command. It indicates the end of statistics output.
Action	None.

RSM0121 - Storage Obtain failed for TRACE AREA - RC= rc

Explanation	Diagnostic message.
Action	Contact support.

RSM0122 - Storage Release failed for TRACE AREA - RC= rc

Explanation	Diagnostic message.
Action	Contact support.

RSM0123 - SNAP processing started

Explanation	Diagnostic message.
Action	Contact support.

RSM0124 - SNAP processing terminated

Explanation	Diagnostic message.
Action	Contact support.

RSM0125 - Module module/modvers loaded

Explanation	The message indicates the module that is currently being loaded and the version into which it has been integrated.
Action	No action required.

RSM0131 - Environment error detected. SubRC: subrc

Explanation	Diagnostic message that goes along with RC = 16.
Action	Contact support.

RSM0133 - DEAL and START commands are no longer supported

Explanation	The `DEAL` and `START` operator commands are no longer available. It indicates the end of statistics output.
Action	If you want to refresh the roll server, use the z/OS STOP and START console commands.

RSM0190 - +++++ Start of Diagnostics +++++

Explanation	This message is issued in response to the DIAGNOSE operator command. Several RSM0190 messages with varying text may follow this message, depending on the nature of the supplied diagnostic zaps.
Action	Follow advice given with diagnostic zap.

RSM0190 - +++++ End of Diagnostics +++++

Explanation	This message is issued in response to the DIAGNOSE operator command. It indicates the end of output generated by the DIAGNOSE command.
Action	Follow advice given with diagnostic zap.

RSM0313 - NATRSCMP return code 99. Diagnostic data follows:

Explanation	An unexpected error was encountered during thread compression/decompression.
Action	Contact support.

RSM0314 - NATRSCMP return code 8. UserID and error message follow:

Explanation	An unexpected error was encountered during thread compression/decompression.
Action	Contact support.

RSM0315 - DUMP requested by NATRSCMP. Check SYSUDUMP data set

Explanation	An unexpected error was encountered during thread compression/decompression.
Action	Contact support.

RSM0316 - RSPRB in Primary: address RSPRB in Secondary: address

Explanation	Diagnostic message.
Action	Contact support.

RSM0317 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0451 - Natural subsystem ID: subsid

Explanation	Diagnostic message.
Action	Contact support.

RSM0452 - Number of Roll Files: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0453 - Number of LRB slots per Roll File: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0454 - Non-activity time: nnn hours

Explanation	Diagnostic message.
Action	Contact support.

RSM0455 - Timeout check scheduled for hh:mm

Explanation	Diagnostic message.
Action	Contact support.

RSM0456 - Timeout check not scheduled

Explanation	Diagnostic message.
Action	Contact support.

RSM0457 - Non-activity time not set

Explanation	Diagnostic message.
Action	Contact support.

RSM0458 - Timeout check is enabled / disabled

Explanation	Diagnostic message.
Action	Contact support.

RSM0459 - Invalid REPEAT value. Specify 0 to 1440 minutes

Explanation	Diagnostic message.
Action	Contact support.

RSM0460 - REPEAT interval set to nnn minutes

Explanation	Diagnostic message.
Action	Contact support.

RSM0461 - REPEAT interval not set

Explanation	Diagnostic message.
Action	Contact support.

RSM0462 - LRB slot size: nnn bytes

Explanation	Diagnostic message.
Action	Contact support.

RSM0463 - roll_file_name:

Explanation	Diagnostic message.
Action	Contact support.

RSM0464 - n slots of size bytes each

Explanation	Diagnostic message.
Action	Contact support.

RSM0466 - Coupling Facility structure name: CF_name

Explanation	Diagnostic message.
Action	Contact support.

RSM0467 - Staging low/high water marks: low/high slots

Explanation	Diagnostic message.
Action	Contact support.

RSM0468 - Scan overflow slots enabled/disabled

Explanation	Diagnostic message.
Action	Contact support.

RSM0469 - Startup TOD = xxxxxxxx_xxxxxxxx. Local time = ±difference seconds

Explanation	Diagnostic message.
Action	Contact support.

RSM0500 - +++++ start / end of Statistics +++++

Explanation	Diagnostic message.
Action	Contact support.

RSM0501 - Users currently allocated : nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0502 - Roll File n: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0503 - Maximum users allocated (session) : nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0504 - Total number of writes/errors: nnn nnnnnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0505 - Number of direct writes: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0506 - Total number of reads/errors: nnn nnnnnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0507 - Number of direct reads: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0508 - Peak periods of write activity:

Explanation	Diagnostic message.
Action	Contact support.

RSM0509 - Distribution of thread sizes:

Explanation	Diagnostic message.
Action	Contact support.

RSM0510 - zIIP CPU time information in seconds:

Explanation	Diagnostic message.
Action	Contact support.

RSM0511 - Total enclave CPU time: time

Explanation	Diagnostic message.
Action	Contact support.

RSM0512 - Qualified zIIP CPU time: time

Explanation	Diagnostic message.
Action	Contact support.

RSM0513 - Eligible zIIP CPU time on GCP: time

Explanation	Diagnostic message.
Action	Contact support.

RSM0514 - Total enclave zIIP CPU time: time

Explanation	Diagnostic message.
Action	Contact support.

RSM0515 - zIIP time of total CPU time: percentage %

Explanation	Diagnostic message.
Action	Contact support.

RSM0516 - Available zIIP processors: n

Explanation	Diagnostic message.
Action	Contact support.

RSM0517 - YYYY/MM/DD HH:NN:SS - slots Slots

Explanation	Diagnostic message.
Action	Contact support.

RSM0518 - nbr_threads threads with n slots

Explanation	Diagnostic message.
Action	Contact support.

RSM0519 - nbr_threads threads with 10 or more slots

Explanation	Diagnostic message.
Action	Contact support.

RSM0522 - Number of compress calls: nbr percentage%

Explanation	Diagnostic message.
Action	Contact support.

RSM0523 - Number of decompress calls: nbr percentage%

Explanation	Diagnostic message.
Action	Contact support.

RSM0524 - LRB slot size: size bytes

Explanation	Diagnostic message.
Action	Contact support.

RSM0551 - Roll File n activity:

Explanation	Diagnostic message.
Action	Contact support.

RSM0552 - Total writes: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0553 - Direct writes: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0554 - Total reads: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0555 - Direct reads: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0556 - LRB steals: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0557 - Staging task runs: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0558 - Slots staged: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0559 - Staging overrides: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0560 - LRB slots used: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0561 - Max. LRB slots (ses): nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0562 - Max. LRB slots (itv): nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0563 - Overflow slots: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0564 - Overflow slot writes: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0565 - Users allocated: nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0566 - Max users allo (ses): nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0567 - Max users allo (itv): nbr

Explanation	Diagnostic message.
Action	Contact support.

RSM0568 - Stage busy time: time

Explanation	Diagnostic message.
Action	Contact support.

RSM0600 - Tracing process not started

Explanation	Diagnostic message.
Action	Contact support.

RSM0601 - Tracing process started

Explanation	Diagnostic message.
Action	Contact support.

RSM0602 - Tracing process enabled for 'target' with n entries

Explanation	Diagnostic message.
Action	Contact support.

RSM0603 - Tracing process disabled for 'target'

Explanation	Diagnostic message.
Action	Contact support.

RSM0605 - Tracing process activation failed for 'target', RC= rc

Explanation	Diagnostic message.
Action	Contact support.

RSM0606 - Tracing process ends

Explanation	Diagnostic message.
Action	Contact support.

RSM0607 - Tracing process restricted to ASID asid

Explanation	Diagnostic message.
Action	Contact support.

RSM0608 - Tracing process no longer restricted to an ASID

Explanation	Diagnostic message.
Action	Contact support.

RSM0700 - +++++ start / end of Diagnostics +++++

Explanation	Diagnostic message.
Action	Contact support.

RSM0701 - Compression task Compr.TaskId jobname with control block at address

Explanation	Diagnostic message.
Action	Contact support.

RSM0702 - Compression task is Compr.TaskId

Explanation	Diagnostic message.
Action	Contact support.

RSM0703 - Resume token: xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0704 - CRB: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0705 - RESUME errors 4/8/24/other: nnnnn nnnnn nnnnn nnnnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0706 - Waits for CSST: nnnnnnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0707 - LRB at : xxxxxxxx_xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0708 - Highest LRB slot: xxxxxxxx_xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0709 - Roll Server YYYYMMDDHHMM loaded at xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0710 - ABINFO: Time/PSW: xxxxxxxx xxxxxxxx/xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0711 - No abend recorded

Explanation	Diagnostic message.
Action	Contact support.

RSM0712 - Abend code: xxxxxxxx Reason: xxxxxxxx ID: xxxx Sxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0713 - xxxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0714 - MSX: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0715 - Invalid slot state: xxxxxxxx Slot address: xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0716 - Our ASID: xxxx. RS Control Block at xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

RSM0717 - Storage Counters: nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0718 - Most recent counter: nnn

Explanation	Diagnostic message.
Action	Contact support.

RSM0719 - - STCK - - Addr - - Leng - Where File

Explanation	Diagnostic message.
Action	Contact support.

RSM0720 - xxxxxxxx_xxxxxxxx xxxxxxxx xxxxxxxx origin rollfile

Explanation	Diagnostic message.
Action	Contact support.

143 Return Codes and Reason Codes of the Roll Server Requests

- Return Codes 1464
- Reason Codes Returned with Return Code 12 1464

This section contains the return codes and reason codes of the roll server requests. Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

The TP monitor interfaces issuing roll server request interpret some reason codes returned by a failed roll server request and issue specific error messages. Other reason codes, however, are not interpreted. These are reported with a more general error message text.

For information on the Roll Server, see the following sections in the documentation of Natural for z/OS:

- *Natural Roll Server Functionality*
- *Natural Roll Server Operation*

Return Codes

Decimal	Explanation
0	Normal completion.
4	Wait for disk I/O completion.
8	Wait and resume this call.
12	Error, see reason code.
16	Abnormal end.
20	Recursive abend.
24	Storage Obtain error in Staging Task.
28	Roll server not active.
32	GETMAIN failed for work area.
36	Request block is write protected.
40	IXLLIST error.

Reason Codes Returned with Return Code 12

Hex	Decimal	Function Type	Explanation	Action
04	04	ALLOC	The roll file is full.	Increase and reformat the roll file. **Note:** Carefully read the constraints regarding reformatting the roll file

Hex	Decimal	Function Type	Explanation	Action
				described in the roll server documentation.
08	08	All except STATS	An abend was intercepted and a SNAP dump was taken.	Contact support.
0C	12	ALLOC	The roll file number returned by the user exit NATRSU14 is invalid.	Correct the user exit.
10	16	FREE READ WRITE	The roll file number passed by the requestor in the request block is invalid. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
14	20	FREE READ WRITE	The number of the roll file slot passed by the requestor in the request block is invalid. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
18	24	FREE READ WRITE	There is no allocated roll file slot for the user with the identification passed by the requestor in the request block. Possible reasons: The request block has been overwritten since the last successfully executed roll server function, or the respective roll file slot has been deleted from the roll file either by using the Roll Server's TIMEOUT command, or by using the SYSTP utility	Contact support.
1C	28	READ WRITE	The size of the compressed Natural thread presented (WRITE) or requested (READ) is zero. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
20	32	READ WRITE	The size of the compressed Natural thread is greater than the maximum roll file slot. Possible reasons: READ: The request block has been overwritten since the last successfully executed roll server function. WRITE: The compressed Natural thread does not fit into its roll file slot, and there is not enough free space in the roll file to allocate the necessary overflow slots.	Increase the roll file.

Hex	Decimal	Function Type	Explanation	Action
24	36	READ WRITE	An internal control block used for inter-task communication could not be allocated.	Increase the amount of available space for the roll server address space. If the problem persists, Contact support.
28	40	READ WRITE	An intermediate buffer for an asynchronous READ/WRITE request could not be allocated.	Increase the amount of available space for the roll server address space. If the problem persists, Contact support.
2C	44	READ	The size of the compressed Natural thread requested is not equal to the size used on the preceding WRITE request. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
30	48	READ WRITE	An abend was intercepted and a SNAP dump issued in the roll server's address space.	Contact support.
34	52	READ	The READ-task could not allocate the intermediate buffer.	Increase the amount of available space for the roll server address space. If the problem persists, Contact support.
38	56	READ WRITE STATS	The address of the Natural thread is not specified in the request block. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
3C	60	FREE READ WRITE	The pointer to the directory entry in the request block is invalid. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
40	64	READ	The roll server init timestamp specified in the request block is zero. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
44	68	All	Sysplex Services for Data Sharing (XES) returned an unexpected reason code. The XES	Please refer to the IBM document *Sysplex Services Reference* for the detailed

Hex	Decimal	Function Type	Explanation	Action
			reason code is returned by the roll server in the request answer area (label RSPAXRNC).	reason and proposed actions. If the reason does not depend on system definitions, Contact support.
48	72	All	The connection to the Coupling Facility was lost. Possible reason: Hardware or system software problem.	Contact the z/OS system administration.
4C	76	All	The Coupling Facility structure failed. Possible Reasons: Hardware or system software problem (Contact IBM Support)	Stop the roll server, deallocate the coupling facility structure and reformat the roll file.
51-53	81-83	READ	The previous WRITE request executed on a different z/OS image was not successfully completed due to a Coupling Facility problem or a roll server problem.	Look at the message logs of the roll servers participating in the Sysplex for messages indicating this situation.
54	84	FREE	The entry for the specific user could not be located in the Coupling Facility structure. Possible reason: The request block has been overwritten since the last successfully executed roll server function.	Contact support.
58	88	READ	A wait-queue element could not be allocated.	Increase the amount of available space for the roll server address space. If the problem persists, Contact support.
5C	92	READ	The information contained in the specific entry of the Coupling Facility structure indicates that there was no previous WRITE request.	Contact support.
60	96	DEALLOC	The length of the generic user ID is smaller than 1 or greater than 16.	Contact support.
64	100	DZAP READ WRITE	The receiving storage area provided by the caller is write-protected.	Contact support.
68	104	FREE READ WRITE	The ECB referenced in the request block is not aligned or is write-protected.	Contact support.
70	112	All OC	A session requested a roll file slot with an invalid user ID.	Contact support.
74	116	FREE WRITE READ	A session presented a Roll Server request with an invalid timestamp.	Contact support.

Hex	Decimal	Function Type	Explanation	Action
78	120	READ	After a READ operation, the roll server indicates that the requestor of the slot is no longer active or another user has already taken the place of the requestor.	Contact support.
7C	124	READ	After receiving a return code 8, the Natural CICS Interface resumed the call, but the Roll Server did not deliver the requested roll file slot within 30 seconds.	Contact support.
80	128	All	Try to assign overflow slot.	Contact support.
84	132	All	Invalid stack pointer.	Contact support.
88	136	ALLOC	Overflow slot could not be allocated (1).	Similar to 12/4: there is no free slot any more to allocate to an overflow slot in location 1.
8C	140	ALLOC	Overflow slot could not be allocated (2).	Similar to 12/4: there is no free slot any more to allocate to an overflow slot in location 2.
CC	204	WRITE	This error is reported only when Roll Server is invoked from Natural Under CICS Interface (NCI). NCI retries after a certain wait for disk I/O completion. But the retry failed.	Contact support.
D0	208	READ	This error is reported only when Roll Server is invoked from Natural Under CICS Interface (NCI). NCI resumes Roll operation after a certain wait. But the retry failed.	Contact support.
104 - 13C	260 - 316	All	Internal error.	Contact support.

144 Authorized Services Manager Messages

- ASM0001 - Subsystem id invalid 1472
- ASM0002 - No group name: Sysplex purge propagation disabled 1472
- ASM0003 - Unexpected return code from IEANTRT: rc 1472
- ASM0004 - LX table could not be obtained. Reason: reasoncode 1472
- ASM0005 - Authorized Services Manager Version vrs is active 1473
- ASM0006 - Other than MODIFY or STOP command received: command 1473
- AM0007 - Unrecognized parameter in parm file: 1473
- ASM0008 - Invalid value in parm file: 1473
- ASM0009 - Invalid command: command 1474
- ASM0010 - Bad return code from SNAP routine: rc 1474
- ASM0011 - Subtask terminated: taskinfo, number of treated requests: nnnnn 1474
- ASM0012 - Subtask termination in progress 1474
- ASM0013 - Coupling Facility will not be used for SIP 1475
- ASM0014 - Invalid SIP CF structure name 1475
- ASM0015 - Invalid number of SIP slots specified 1475
- ASM0016 - Subtask n (shortid) with control block at address started 1475
- ASM0017 - Connected to SIP CF Structure with nnnn slots 1475
- ASM0018 - SIP CF Structure initialized with nnnn slots 1476
- ASM0019 - Number of SIP slots not specified: SIP service is not available 1476
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- ASM0021 - Unexpected return code from IEANTCR: rc 1476
- ASM0029 - Module NATZPX loaded at address: address 1477
- ASM0030 - Module NATFSSM loaded at address: address 1477
- ASM0031 - Module NATNDVX loaded at address: address 1477
- ASM0032 - Module NATSMF2 loaded at address: address 1477
- ASM0033 - No space for a PROPBLOK in Message Exit 1477
- ASM0034 - IXCMSGI return code nnnnn reason code nnnnn 1478
- ASM0035 - IXC Message Exit received invalid length: xxxxxxxx 1478
- ASM0036 - IXC Message Exit received invalid message header 1478
- ASM0037 - All purge tasks are dead 1478
- ASM0039 - Module NATZPX removed from address: address 1478
- ASM0040 - Module NATFSSM removed from address: address 1479

- ASM0041 - Module NATNDVX removed from address: address 1479
- ASM0045 - Applied Zaps: 1479
- ASM0047 - Operator command: command 1479
- ASM0048 - IARV64 GETSTOR failed. Return code: rc 1479
- ASM0049 - Too many/few parameters for command 1480
- ASM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT 1480
- ASM0053 - IXLCONN unsuccessful. Reason code: rc 1480
- ASM0054 - Connection to partner rejected: structure not in the CFRM active policy 1480
- ASM0058 - ASM already active in subsid: Job jobname ASID asid 1480
- ASM0066 - REBUILD Start: CF structure temporarily unavailable 1481
- ASM0067 - REBUILD End: CF structure available again 1481
- ASM0068 - Invalid parameter parameter 1481
- ASM0069 - Invalid non-activity time 1481
- ASM0070 - Invalid timeout check time 1482
- ASM0071 - NATFSSM not linked: FSSM parameter ignored 1482
- ASM0072 - Installation error: NATBPPRP not linked 1482
- ASM0073 - module version date time 1482
- ASM0074 - End of Thread thread_id requested by jobname ASID asid 1483
- ASM0075 - TIMEOUT ON/NOW rejected: No valid timeout parameters 1483
- ASM0076 - Timeout check deactivated 1483
- ASM0077 - Specify NAT, NOW, ON, OFF, ASM0077 - REPEAT, TOC, TERSE, VERBOSE, or ? 1483
- ASM0078 - Timeout processing starting. Delete sessions older than duration hours 1484
- ASM0079 - Scheduled/Operator timeout processing deleted n sessions 1484
- ASM0080 - Timeout processing ended with return code rc 1484
- ASM0083 - Authorized Server not in active state. TIMEOUT aborted 1484
- ASM0084 - Too many FSSM parameter lines 1485
- ASM0085 - Release SIP key: slot_id_txt x(slot_id_hex) 1485
- ASM0086 - Last active: TODR_last_active in slot: slot_nbr 1485
- ASM0102 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx 1485
- ASM0103 - Reading parm input from file ASMPARM 1485
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- ASM0107 - ZAP at address/length by ASID asid and JobName jobname 1486
- ASM0108 - Old/New: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx 1486
- ASM0110 - Invalid addresses found: n 1486
- ASM0111 - ----- STCK ------ Address- -Offset- 1487
- ASM0117 - Serialization Start for item 1487
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- ASM0119 - Authorized Services Manager Server settings in effect: 1487
- ASM0121 - Storage Obtain failed for TRACE AREA - RC= rc 1487
- ASM0122 - Storage Release failed for TRACE AREA - RC= rc 1488
- ASM0123 - SNAP processing started 1488
- ASM0124 - SNAP processing terminated 1488
- ASM0125 - Module module/modvers loaded 1488
- ASM0231 - ** ECSAD entry converted into new layout for SUBSID: subsid 1488

- ASM0232 - ** Old SUBSID entry was renamed to: new_subsid 1489
- ASM0240 - ********** 1489
- ASM0241 - ** Old version of ECSAD entry found for SUBSID: subsid 1489
- ASM0242 - ** Can not run with this old style layout 1489
- ASM0243 - ** To convert into new format, re-run this job with param ECSADUPD=YES 1489
- ASM0244 - ** The conversion to the new form was requested by ECSADUPD=YES 1490
- ASM0245 - ** but nbr buffer pools (BPs) are active for this SUBSID 1490
- ASM0246 - ** Please shut down all BPs for this SUBSID and re-run this job again 1490
- ASM0401 - Various FSSM messages 1490
- ASM0451 - Natural subsystem ID: subsid 1491
- ASM0452 - XCF group name: XCD group name 1491
- ASM0454 - Number of SIP slots: nnn 1491
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- ASM0456 - Non-activity time: nnn hours 1491
- ASM0457 - Non-activity time not set 1492
- ASM0458 - Timeout check scheduled for hh:mm 1492
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- ASM0460 - Timeout check is active 1492
- ASM0461 - REPEAT interval set to nnn minutes 1492
- ASM0462 - Timeout check is enabled / disabled 1493
- ASM0463 - Invalid REPEAT value. Specify 0 to 1440 minutes 1493
- ASM0600 - Tracing process not started 1493
- ASM0601 - Tracing process started 1493
- ASM0602 - Tracing process enabled for 'target' with n entries 1493
- ASM0603 - Tracing process disabled for 'target' 1494
- ASM0605 - Tracing process activation failed for 'target', RC= rc 1494
- ASM0606 - Tracing process ends 1494
- ASM0607 - Tracing process restricted to ASID asid 1494
- ASM0608 - Tracing process no longer restricted to an ASID 1494
- ASM0700 - +++++ start / end of Diagnostics +++++ 1495
- ASM0709 - Authorized Services manager YYYYMMDDHHMM loaded at XXXXXXXX 1495

This section lists the messages that may be issued by the Natural Authorized Services Manager (ASM).

Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

For information on the Authorized Services Manager, see *Authorized Services Manager under z/OS* in the *Operations* documentation.

ASM0001 - Subsystem id invalid

Explanation	A subsystem ID was specified that is longer than 4 characters.
Action	Specify a subsystem ID of 1 to 4 characters.

ASM0002 - No group name: Sysplex purge propagation disabled

Explanation	The second parameter was not specified. The ASM will not communicate with other ASMs in a Parallel Sysplex.
Action	None.

ASM0003 - Unexpected return code from IEANTRT: rc

Explanation	The Name/Token Service returned return code *rc*.
Action	See the current IBM *MVS Programming: Authorized Assembler Services Reference* manual for information about the return code from the `IEANTRT` request.

ASM0004 - LX table could not be obtained. Reason: reasoncode

Explanation	A `STORAGE OBTAIN` request failed with *reasoncode*.
Action	Increase virtual storage available to the ASM. (`REGION` option of the JCL `EXEC` statement.)

ASM0005 - Authorized Services Manager Version vrs is active

Where *vrs* represents the relevant product version (see also *Version* in the Glossary).

Explanation	The ASM initialized successfully and is ready for work.
Action	None.

ASM0006 - Other than MODIFY or STOP command received: command

Explanation	The ASM received a CIBVERB other than MODIFY or STOP.
Action	Contact support.

AM0007 - Unrecognized parameter in parm file:

Explanation	The parameter file contained an unknown parameter. This message is followed by a message displaying the line from the parameter file.
Action	Correct typing error.

ASM0008 - Invalid value in parm file:

Explanation	An invalid value was specified in the parameter file. This message is followed by a message displaying the line from the parameter file.
Action	Correct typing error.

ASM0009 - Invalid command: command

Explanation	An invalid operator command was issued to the ASM.
Action	Check for typing error and correct.

ASM0010 - Bad return code from SNAP routine: rc

Explanation	A SNAP dump could not be taken. The return codes are as follows:	
	20	A `STORAGE OBTAIN` request failed.
	24	`SYSUDUMP` could not be opened.
Action	For return code 20:	Increase virtual storage available to the ASM. (`REGION` option of the JCL `EXEC` statement.)
	For return code 24:	Ensure that the ASM job or started task includes a DD statement for `SYSUDUMP`.

ASM0011 - Subtask terminated: taskinfo, number of treated requests: nnnnn

Explanation	The subtask indicated by *`taskinfo`* has terminated.
Action	Contact support.

ASM0012 - Subtask termination in progress

Explanation	In response to the `TERM` operator command, the ASM has started to terminate its subtasks.
Action	None.

ASM0013 - Coupling Facility will not be used for SIP

Explanation	No CF structure name was specified in the third parameter.
Action	None.

ASM0014 - Invalid SIP CF structure name

Explanation	A structure name of more than 16 characters was specified.
Action	Specify a structure name of 16 characters or less.

ASM0015 - Invalid number of SIP slots specified

Explanation	The fourth parameter is not a number.
Action	Correct typing error.

ASM0016 - Subtask n (shortid) with control block at address started

Explanation	Diagnostic message.
Action	Contact support.

ASM0017 - Connected to SIP CF Structure with nnnn slots

Explanation	The structure was already allocated and contains *nnnn* slots.
Action	None.

ASM0018 - SIP CF Structure initialized with nnnn slots

Explanation	The structure was not yet allocated and initialized by the ASM. The number of slots is either the number specified in the fourth parameter or the number of slots the ASM was able to create, whichever is less.
Action	None.

ASM0019 - Number of SIP slots not specified: SIP service is not available

Explanation	The number of slots was not specified as fourth parameter, and a CF structure was not specified as third parameter. The Session Information Pool Service (SIP) is not available.
Action	None.

ASM0020 - Invalid SIP slots size specified

Explanation	The fifth parameter is either not numeric, or an invalid number.
Action	Specify 256, 512, 1024, 2048, or 4096.

ASM0021 - Unexpected return code from IEANTCR: rc

Explanation	The Name/Token Service returned return code *rc*.
Action	See the current IBM *MVS Programming: Authorized Assembler Services Reference* manual for information about the return code from the `IEANTCR` request.

ASM0029 - Module NATZPX loaded at address: address

Explanation	Diagnostic message to report where module NATZPX is copied into memory.
Action	None.

ASM0030 - Module NATFSSM loaded at address: address

Explanation	Diagnostic message to report where module NATFSSM is copied into memory.
Action	None.

ASM0031 - Module NATNDVX loaded at address: address

Explanation	Diagnostic message to report where module `NATNDVX` is copied into memory.
Action	None.

ASM0032 - Module NATSMF2 loaded at address: address

Explanation	Diagnostic message to report where module `NATSMF2` is copied into memory.
Action	None.

ASM0033 - No space for a PROPBLOK in Message Exit

Explanation	Diagnostic message.
Action	Contact support.

ASM0034 - IXCMSGI return code nnnnn reason code nnnnn

Explanation	Diagnostic message.
Action	Contact support.

ASM0035 - IXC Message Exit received invalid length: xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

ASM0036 - IXC Message Exit received invalid message header

Explanation	Diagnostic message.
Action	Contact support.

ASM0037 - All purge tasks are dead

Explanation	Diagnostic message.
Action	Contact support.

ASM0039 - Module NATZPX removed from address: address

Explanation	Diagnostic message to report from where module `NATZPX` is unloaded.
Action	None.

ASM0040 - Module NATFSSM removed from address: address

Explanation	Diagnostic message to report from where module NATFSSM is unloaded.
Action	None.

ASM0041 - Module NATNDVX removed from address: address

Explanation	Diagnostic message to report from where module NATNDVX is unloaded.
Action	None.

ASM0045 - Applied Zaps:

Explanation	When Zaps are applied to the ASM, it issues this message, followed by a list of applied zaps.
Action	None.

ASM0047 - Operator command: command

Explanation	The ASM echoes operator commands to JESMSGLG.
Action	None.

ASM0048 - IARV64 GETSTOR failed. Return code: rc

Explanation	There is not enough memory available above the bar.
Action	Increase the MEMLIMIT parameter on the JCL EXEC statement.

ASM0049 - Too many/few parameters for command

Explanation	An operator *command* was issued that contained an incorrect number of parameters.
Action	Correct the operator command.

ASM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT

Explanation	There is not enough storage available for IARV64, i.e. above the 2GB bar.
Action	Increase the value of MEMLIMIT.

ASM0053 - IXLCONN unsuccessful. Reason code: rc

Explanation	Diagnostic message.
Action	Contact support.

ASM0054 - Connection to partner rejected: structure not in the CFRM active policy

Explanation	Diagnostic message.
Action	Contact support.

ASM0058 - ASM already active in subsid: Job jobname ASID asid

Explanation	The ASM determined that in the Natural subsystem specified in the first parameter, *subsid*, another ASM is already active. The other ASM is running in job or started task named *jobname*, with address space identifier *asid*.
Action	Start only one ASM per Natural subsystem per MVS image.

ASM0066 - REBUILD Start: CF structure temporarily unavailable

Explanation	Operator command `SETXCF START,REBUILD`...was issued for the Coupling Facility Structure that holds the Session Information Pool (SIP) data. SIP operation is quiesced until the Rebuild operation is complete.
Action	None.

ASM0067 - REBUILD End: CF structure available again

Explanation	Operator command `SETXCF START,REBUILD`...was issued for the Coupling Facility Structure that holds the Session Information Pool (SIP) data. Rebuild is now complete and the SIP service resumes normal operation.
Action	None.

ASM0068 - Invalid parameter parameter

Explanation	An invalid parameter was supplied in the JCL `EXEC` statement of the ASM job or Started Task.
Action	Correct JCL.

ASM0069 - Invalid non-activity time

Explanation	The `NONACTIVITY` parameter (or `TIMEOUT NAT` command) is not numeric or greater than 10000000.
Action	Correct parameter file.

ASM0070 - Invalid timeout check time

Explanation	The TIMEOUTCHECK parameter (or TIMEOUT TOC command) is not numeric or not a valid time of day.
Action	Specify a valid time in the format *h*, *hh*, *hhm* or *hhmm*.

ASM0071 - NATFSSM not linked: FSSM parameter ignored

Explanation	The parameter file contains FSSM parameters, but the NATFSSM module is not linked to the Authorized Services Manager.
Action	Either link the NATFSSM module to the Authorized Services Manager or delete the parameters from the parameter file.

ASM0072 - Installation error: NATBPPRP not linked

Explanation	Module NATBPPRP must be included when the Authorized Services Manager is linked into an APF library.
Action	Relink NATASM*vr* as described in the *Installing Natural on z/OS* documentation. **Note:** The notation *vr* represents the relevant product version (see also *Version* in the Glossary).

ASM0073 - module version date time

Explanation	In response to the VLIST command, a list of linked modules is displayed with version and assembly date and time.
Action	None.

ASM0074 - End of Thread thread_id requested by jobname ASID asid

Explanation	The database administrator, Natural Development Server, or Natural Web/IO Interface requested that a session thread be cancelled.
Action	None.

ASM0075 - TIMEOUT ON/NOW rejected: No valid timeout parameters

Explanation	No valid non-activity time and/or no valid timeout-check-time was specified before this command was issued.
Action	Either specify non-activity time and timeout-check-time as startup parameters, or precede the command with the `TIMEOUT NAT` and `TIMEOUT TOC` commands.

ASM0076 - Timeout check deactivated

Explanation	Timeout processing was disabled by a `TIMEOUT OFF` command.
Action	None.

ASM0077 - Specify NAT, NOW, ON, OFF, ASM0077 - REPEAT, TOC, TERSE, VERBOSE, or ?

Explanation	The `TIMEOUT` command was issued with an invalid parameter. This message consists of two lines.
Action	Refer to the description of the `TIMEOUT` command in the section *ASM Operator Commands* in the *Operations* documentation.

ASM0078 - Timeout processing starting. Delete sessions older than duration hours

Explanation	The routine to detect and delete non-active sessions is running.
Action	None.

ASM0079 - Scheduled/Operator timeout processing deleted n sessions

Explanation	Timeout check has detected and deleted *n* sessions that had been inactive longer than the non-activity time specified as the startup parameter or with the `TIMEOUT NAT` command.
Action	None.

ASM0080 - Timeout processing ended with return code rc

Explanation	The routine to detect and delete non-active sessions has ended with return code *rc*
Action	If *rc* is not zero, Contact support.

ASM0083 - Authorized Server not in active state. TIMEOUT aborted

Explanation	The Authorized Services Manager is ending due to the `TERM` command or a subtask abnormal end. The `TIMEOUT` command cannot execute in this situation.
Action	None.

ASM0084 - Too many FSSM parameter lines

Explanation	More than 51 parameter lines have been passed to the File Server Shared Memory (FSSM) service.
Action	Use a maximum of 51 parameter lines.

ASM0085 - Release SIP key: slot_id_txt x(slot_id_hex)

Explanation	Diagnostic message.
Action	Contact support.

ASM0086 - Last active: TODR_last_active in slot: slot_nbr

Explanation	Diagnostic message.
Action	Contact support.

ASM0102 - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

ASM0103 - Reading parm input from file ASMPARM

Explanation	Diagnostic message.
Action	Contact support.

ASM0104 - Invalid Trace option

Explanation	Diagnostic message.
Action	Contact support.

ASM0105 - Invalid value for number of trace entries

Explanation	Diagnostic message.
Action	Contact support.

ASM0107 - ZAP at address/length by ASID asid and JobName jobname

Explanation	Diagnostic message.
Action	Contact support.

ASM0108 - Old/New: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Explanation	Diagnostic message.
Action	Contact support.

ASM0110 - Invalid addresses found: n

Explanation	Diagnostic message.
Action	Contact support.

ASM0111 - ----- STCK ------ Address- -Offset-

Explanation	Diagnostic message.
Action	Contact support.

ASM0117 - Serialization Start for item

Explanation	Diagnostic message.
Action	Contact support.

ASM0118 - Serialization End for item

Explanation	Diagnostic message.
Action	Contact support.

ASM0119 - Authorized Services Manager Server settings in effect:

Explanation	This message is issued at start-up of the Authorized Services Manager. It is followed by several ASM0119 messages of varying contents, summarizing parameters in effect for this run. Selected RSM0119 messages may also be issued in response to the `TIMEOUT` command.
Action	None.

ASM0121 - Storage Obtain failed for TRACE AREA - RC= rc

Explanation	Diagnostic message.
Action	Contact support.

ASM0122 - Storage Release failed for TRACE AREA - RC= rc

Explanation	Diagnostic message.
Action	Contact support.

ASM0123 - SNAP processing started

Explanation	Diagnostic message.
Action	Contact support.

ASM0124 - SNAP processing terminated

Explanation	Diagnostic message.
Action	Contact support.

ASM0125 - Module module/modvers loaded

Explanation	The message indicates the module that is currently being loaded and the version into which it has been integrated.
Action	No action required.

ASM0231 - ** ECSAD entry converted into new layout for SUBSID: subsid

Explanation	Diagnostic message.
Action	Contact support.

ASM0232 - ** Old SUBSID entry was renamed to: new_subsid

Explanation	Diagnostic message.
Action	Contact support.

ASM0240 - **********

Explanation	Diagnostic message.
Action	Contact support.

ASM0241 - ** Old version of ECSAD entry found for SUBSID: subsid

Explanation	Diagnostic message.
Action	Contact support.

ASM0242 - ** Can not run with this old style layout

Explanation	Diagnostic message.
Action	Contact support.

ASM0243 - ** To convert into new format, re-run this job with param EC-SADUPD=YES

Explanation	Diagnostic message.
Action	Contact support.

ASM0244 - ** The conversion to the new form was requested by EC-SADUPD=YES

Explanation	Diagnostic message.
Action	Contact support.

ASM0245 - ** but nbr buffer pools (BPs) are active for this SUBSID

Explanation	Diagnostic message.
Action	Contact support.

ASM0246 - ** Please shut down all BPs for this SUBSID and re-run this job again

Explanation	Diagnostic message.
Action	Contact support.

ASM0401 - Various FSSM messages

Explanation	Various messages are issued by the File Server Shared Memory (FSSM) service of Natural for Db2.
Action	Refer to the *Natural for Db2* documentation for explanations of FSSM messages.

ASM0451 - Natural subsystem ID: subsid

Explanation	Diagnostic message.
Action	Contact support.

ASM0452 - XCF group name: XCD group name

Explanation	Diagnostic message.
Action	Contact support.

ASM0454 - Number of SIP slots: nnn

Explanation	Diagnostic message.
Action	Contact support.

ASM0455 - SIP slot size: nnn

Explanation	Diagnostic message.
Action	Contact support.

ASM0456 - Non-activity time: nnn hours

Explanation	Diagnostic message.
Action	Contact support.

ASM0457 - Non-activity time not set

Explanation	Diagnostic message.
Action	Contact support.

ASM0458 - Timeout check scheduled for hh:mm

Explanation	Diagnostic message.
Action	Contact support.

ASM0459 - Timeout check not scheduled

Explanation	Diagnostic message.
Action	Contact support.

ASM0460 - Timeout check is active

Explanation	Diagnostic message.
Action	Contact support.

ASM0461 - REPEAT interval set to nnn minutes

Explanation	Diagnostic message.
Action	Contact support.

ASM0462 - Timeout check is enabled / disabled

Explanation	Diagnostic message.
Action	Contact support.

ASM0463 - Invalid REPEAT value. Specify 0 to 1440 minutes

Explanation	Diagnostic message.
Action	Contact support.

ASM0600 - Tracing process not started

Explanation	Diagnostic message.
Action	Contact support.

ASM0601 - Tracing process started

Explanation	Diagnostic message.
Action	Contact support.

ASM0602 - Tracing process enabled for 'target' with n entries

Explanation	Diagnostic message.
Action	Contact support.

ASM0603 - Tracing process disabled for 'target'

Explanation	Diagnostic message.
Action	Contact support.

ASM0605 - Tracing process activation failed for 'target', RC= rc

Explanation	Diagnostic message.
Action	Contact support.

ASM0606 - Tracing process ends

Explanation	Diagnostic message.
Action	Contact support.

ASM0607 - Tracing process restricted to ASID asid

Explanation	Diagnostic message.
Action	Contact support.

ASM0608 - Tracing process no longer restricted to an ASID

Explanation	Diagnostic message.
Action	Contact support.

ASM0700 - +++++ start / end of Diagnostics +++++

Explanation	Diagnostic message.
Action	Contact support.

ASM0709 - Authorized Services manager YYYYMMDDHHMM loaded at XXXXXXXX

Explanation	Diagnostic message.
Action	Contact support.

145 SIP Service Return Codes and Reason Codes

- Return Codes 1498
- SIP Reason Codes for Return Code 0 1498
- SIP Reason Codes for Return Code 12 1499

This document contains the return codes and reason codes of the Session Information Pool (SIP) Service requests.

Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

For information on the Session Information Pool (SIP) Service, see *Authorized Services Manager under z/OS* in the *Operations* documentation of *Natural for z/OS*.

Return Codes

Decimal	Explanation
0	Function completed normally.
4	Auth. server not available.
8	Parmlist write protected.
12	Error, see reason code.
16	Abnormal end.
20	Coupling Facility (CF) interface error.
24	Abend without work area, recursive abend.
28	Abend during SIP index update.

SIP Reason Codes for Return Code 0

Decimal	Explanation
4	SIP Service local only (no Coupling Facility).

SIP Reason Codes for Return Code 12

General Errors

Decimal	Explanation
104	SIP Service not available.
108	GETMAIN for work area failed.
112	Invalid function code.

ALLOC Function Errors

Decimal	Explanation
8	Invalid key (session ID).
12	Duplicate key (session ID).
16	Session information pool full.
20	Requested length exceeds slot size.

FREE Function Errors

Decimal	Explanation
4	Invalid slot address.
8	Invalid key (session ID).
12	Slot/key mismatch.

WRITE Function Errors

Decimal	Explanation
4	Invalid slot address.
8	Invalid key (session ID).
12	Slot/key mismatch.
16	Buffer not addressable.
20	Invalid buffer length.

GET UNIQUE Function Errors

Decimal	Explanation
4	Invalid slot address.
8	Invalid key (session ID).
12	Slot/key mismatch.
16	Buffer not modifiable.
24	Key (session ID) not found. This can be the result of a TIMEOUT operation.
28	Info: Output truncated.

GET SEQUENTIAL Function Errors

Decimal	Explanation
16	Buffer not modifiable.
20	Invalid buffer length.

QUERY Function Errors

Decimal	Explanation
16	Buffer not modifiable.
20	Invalid buffer length.

146 RPC Server Front-End Messages

- RPC0001 PARM string missing 1502
- RPC0002 Natural driver name too long: name 1502
- RPC0004 Thread size not numeric or too large: value 1502
- RPC0006 Thread number not numeric or too large: value 1502
- RPC0007 Natural driver not found: name 1503
- RPC0010 Environment for impersonation established 1503
- RPC0011 Starting Natural RPC server 1503
- RPC0012 Restarting Natural RPC server 1503
- RPC0013 Terminating Natural RPC server 1503
- RPC0014 Natural Security logon failed or missing on Natural STACK 1504
- RPC0015 Impersonation failed with SAF RC/reason xxxx/yyyy 1504
- RPC0016 Impersonation failed with CICS RC/reason xxxx/yyyy 1504
- RPC0017 Initializing Natural RPC server environment 1505
- RPC0018 Creating Natural RPC server session template 1505
- RPC0019 Terminating Natural RPC server environment 1505
- RPC0020 Disconnecting Natural RPC server from transport 1505

This section explains the messages that are issued by the RPC server front-end.

When a message of type “error message” appears, the RPC server environment is terminated abnormally.

RPC0001 PARM string missing

Type	Error message.
Explanation	The `PARM` string with the RPC server front-end parameters is not specified on the `EXEC` card.

RPC0002 Natural driver name too long: name

Type	Error message.
Explanation	The name of the Natural z/OS batch nucleus in the `PARM` string is longer than eight characters. The invalid name is shown in the message.

RPC0004 Thread size not numeric or too large: value

Type	Error message.
Explanation	The value for the thread size in the `PARM` string is invalid. The invalid value is shown in the message.

RPC0006 Thread number not numeric or too large: value

Type	Error message.
Explanation	The value for the number of threads in the `PARM` string is invalid. The invalid value is shown in the message.

RPC0007 Natural driver not found: name

Type	Error message.
Explanation	The Natural z/OS batch nucleus could not be loaded. Check your `STEPLIB` concatenation.

RPC0010 Environment for impersonation established

Type	Informational message.
Explanation	Indicates that impersonation is possible in z/OS mode.

RPC0011 Starting Natural RPC server

Type	Informational message.
Explanation	Normal startup message.

RPC0012 Restarting Natural RPC server

Type	Informational message.
Explanation	Indicates a problem with the Roll Server. This message is typically issued if an active Natural session has been deleted from the Roll Server.

RPC0013 Terminating Natural RPC server

Type	Informational message.
Explanation	The Natural RPC server environment is terminated normally.

RPC0014 Natural Security logon failed or missing on Natural STACK

Type	Error message.
Explanation	If Natural profile parameter AUTO=OFF is specified, a Natural Security logon must be provided with the profile parameter STACK.

RPC0015 Impersonation failed with SAF RC/reason xxxx/yyyy

Type	Informational message.
Explanation	Informational message in the RPC server trace.

RPC0016 Impersonation failed with CICS RC/reason xxxx/yyyy

Type	Informational message.	
Explanation	Informational message in the RPC server trace. *xxxx* is the hexadecimal EIBRESP value and *yyyy* is the hexadecimal EIBRESP2 value of the CICS command that has failed. Typical EIBRESP values are:	
	x'45' (USERIDERR)	Unknown user ID.
	x'46' (NOTAUTH)	Wrong password, expired password, revoked user ID, or no surrogate user.
	x'1C' (TRANSIDERR)	Unknown transaction ID.
	x'12' (NOSPACE)	No space to write control record to TS queue.
	x'FF'	Impersonation task could not be started due to resource contention.

RPC0017 Initializing Natural RPC server environment

Type	Informational message.
Explanation	Normal startup message to indicate the intialization of the Natural RPC server environment.

RPC0018 Creating Natural RPC server session template

Type	Informational message.
Explanation	Normal startup message to indicate the creation of a Natural template session that is used by all subsequently started Natural RPC servers.

RPC0019 Terminating Natural RPC server environment

Type	Informational message.
Explanation	The Natural RPC server environment is terminated normally.

RPC0020 Disconnecting Natural RPC server from transport

Type	Informational message.
Explanation	This message is issued during abnormal termination of a Natural RPC server.

147 Natural under Com-plete/SMARTS User Abend Codes

This document contains the user abend codes and error messages issued by the Natural Com-plete/SMARTS Interface.

See also *Natural under Com-plete/SMARTS* in the *TP Monitor Interfaces* of the Natural for z/OS documentation.

Abend Code	Explanation
U0301	An abend has been forced via CMABEND and DU=ON/FORCE has been specified. The session will be terminated immediately with clean-up for DU=ON and without any cleanup for DU=FORCE. IOCB field TPABCDE (Register 10 + x18C) contains the abend code. IOCB offset x'290' contains the PSW and the Registers 0 to 15.
U0302	An abend has occurred and DU=ABEND has been specified. The session will be cleaned up before it is abended. IOCB offset x'290' contains the PSW and the Registers 0 to 15.
U0304	An abend has occurred, and Natural is not ready to handle it. The session will be terminated immediately without any clean-up. IOCB offset x'290' contains the PSW and the Registers 0 to 15.
U0305	An abend has occurred and Natural's BB could not be addressed.
U0307	The Natural under Com-plete save area stack is exhausted.
U0308	An abend has occurred and the Natural Com-plete ABEXIT handler abends recursive.
U0309	Attention key has been pressed, and Natural is not ready to handle it. The session will be terminated immediately without any clean-up. IOCB offset x'290' contains the PSW and the Registers 0 to 15.
U0310	An unexpected error at Terminal I/O has occurred. The session will be terminated immediately without any clean-up. IOCB offset x'290' contains the PSW and the Registers 0 to 15.
U0312	The Natural shared nucleus has been displaced during a terminal I/O, and the Natural relocation module returns a non-zero return code.
U0313	An unexpected error for ABEXIT entry has occurred.The session will be terminated immediately without any clean-up. IOCB offset x'290' contains the PSW and the Registers 0 to 15.

Abend Code	Explanation
U0316	Roll-Out Failure. The request to pass the data from a session to the Roll Server has failed at session suspension. IOCB offset x'298' contains the Registers 0 to 15, where R15 is a Roll Server return code, and R0 is a Roll Server reason code. For more information on reason and return codes, see *Return Codes and Reason Codes of the Roll Server Requests*.
U0317	Roll-In Failure. The request to pass the data from a session to the Roll Server has failed at session resumption. IOCB offset x'298' contains the Registers 0 to 15, where R15 is a Roll Server return code, and R0 is a Roll Server reason code. For more information on reason and return codes, see *Return Codes and Reason Codes of the Roll Server Requests*.

148 Natural under CICS Messages

- Natural under CICS Abend Codes and Error Messages 1510
- Natural under CICS Informational Messages 1532
- NCISCPRI Warnings and Error Messages 1535

This section contains the abend codes, SCP environment initialization errors, SCP environment recovery errors, SCP processing errors and the session errors issued by the Natural CICS Interface. For information on this interface, see *Natural under CICS* in the *TP Monitor Interfaces* documentation of Natural for z/OS.

Natural under CICS Abend Codes and Error Messages

This section contains the abend codes, SCP environment initialization errors, SCP environment recovery errors, SCP processing errors and the Natural CICS interface session errors issued by the Natural CICS Interface.



Note: All messages included in this document actually appear in mixed case format.

Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

- SCP Environment Initialization Errors
- SCP Environment Recovery Errors
- SCP Processing Errors
- Natural CICS Interface Session Errors

The abend codes and corresponding error messages of the Natural CICS interface are listed groups in the following order:

NI*nn*	SCP environment initialization errors
NR*nn*	SCP environment recovery errors
NS*nn*	SCP processing errors
NT*nn*	Natural under CICS session errors

The Natural System Control Program (SCP) is part of the Natural CICS Interface. A dump is taken for most of the SCP failures.

Important for z/OS:

An unformatted dump helps to identify and resolve a problem more quickly because it can be easily analyzed using IPCS.

SCP Environment Initialization Errors

NIAB - INIT, Abend *xxxx* during initialization

Explanation CICS transaction abend *xxxx* occurred during system environment initialization.

Action Check the abend code and correct the error, or contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NIAD - *xxxxxxxx*, Abend *xxxx* in Adabas linkage routine

Explanation At system initialization, CICS transaction abend *xxxx* occurred in the Adabas linkage module *xxxxxxxx* that was specified via the Natural profile parameter ADANAME (see the Natural Parameter Reference documentation).

Action Check the Adabas documentation and correct the error, or contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NI01 - INIT, No storage for directory extension (*eeeeeeee*)

Explanation At system initialization, the EXEC CICS GETMAIN command for the system directory extension has failed due to a CICS storage bottleneck, *eeeeeeee* being the CICS error condition.

Action Increase CICS dynamic storage.

NI02 - INIT, No valid threads

Explanation At system initialization, the system is inoperational because all thread groups are of TYPE=SHR, but there are no valid threads.

a) The thread group definitions are setup incorrectly.

b) In CICS versions prior to CICS TS: The GETMAIN/GETVIS requests for TYPE=SHR threads have failed.

c) In CICS Transaction Server systems: The EXEC CICS GETMAIN SHARED requests for TYPE=SHR thread have failed.

Action a) Check the thread group definitions by the NCMTGD macro in the system directory and make sure that enough storage is available in OSCOR/GETVIS or the relevant CICS (E)DSA to satisfy all TYPE=SHR thread GETMAIN requests.

b) Increase OSCOR/GETVIS storage.

c) Increase the relevant CICS (E)DSA.

NI03 - INIT, No CICS roll facility available

Explanation At system initialization, the system has TYPE=SHR or TYPE=GETM thread groups, but no CICS roll facilities are available for these and it has been defined that the NCI system is not to use the Natural Roll Server.

Action If VSAM RRDS roll files are to be used:

a) Check if the VSAM RRDS roll files are allocated (IDCAMS DEFINE CLUSTER) and formatted correctly (NATSCPRI program).

b) Check if the VSAM RRDS roll files are defined correctly in the CICS start-up JCL and in the CICS FCT.

c) Check if the VSAM RRDS roll files are supported at all.

d) Check if the VSAM RRDS roll file names are consistent with the Natural under CICS definition (PREFIX parameter of the NTCICSP macro). If CICS auxiliary temporary storage is to be used:

e) Check if the TS CI-SIZE is greater/equal 4 KB and if the DFHTEMP data set is defined in the CICS start-up JCL. If CICS main temporary storage is to be used:

f) Make CICS main temporary storage available as roll facility by specifying a non-zero value in the TSRECSZ in the NCMDIR macro.

NI04 - INIT, Roll/SIP server SUBSID *XXXX* invalid/not active

Explanation At system initialization: The Natural CICS environment has been specified to use SIP server and/or roll server (CICSPLX=YES or SIPSERV=YES or ROLLSRV=YES in NCISCPCB), but no valid Natural profile parameter SUBSID has been specified, or the specified subsystem is not active.

Action a) Specify a valid subsystem ID using the SUBSID profile parameter.

b) Start a roll server and/or SIP server for the specified subsystem ID.

NI05 - INIT, Aborted by INIT exit *xxxxxxxx*

Explanation At system initialization, the system initialization exit in NCISTART has aborted the initialization process with return code *xxxxxxxx*.

Action Contact support.

SCP Environment Recovery Errors

NRAB - RCVR, Abend *xxxx* during directory recovery

Explanation At system recovery, CICS transaction abend *xxxx* occurred while recovering the system environment.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NR01 - Unable to recover SIR blocks chain

Explanation At session initialization or termination, the session information record (SIR) blocks' forward and/or backward chain is broken and the system cannot recover from this by means of the system control record.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NR02 - Thread storage overflow

Explanation At any SCP request with system integrity checking active, the prefix and suffix of a thread are not consistent.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NR03 - Thread groups (index) failure

Explanation At an SCP request with system integrity checking being active, one of the following has occurred:

a) The thread groups index vector is not consistent with the number of thread groups;

b) the thread groups index does not point to the corresponding thread group;

c) the size of a thread group block is not consistent with its type and definition;

d) the name of a thread group does not match the common system prefix.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NR04 - System directory extension failure

Explanation The system directory extension is not consistent with the system directory or its eye catcher does not match the common system prefix.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NR05 - VSAM roll files (directory) failure

Explanation It has been defined that the NCI system is not to use the Natural Roll Server. At an SCP request with system integrity checking being active, one of the following has occurred:

a) The name of a VSAM roll file does not match the common system prefix;

b) the VSAM roll facility RCB slot is not consistent with its online directory bitmap.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

SCP Processing Errors

NSAB - SCP, Abend *XXXX* during SCP processing

Explanation An abend *xxxx* occurred during SCP processing.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NSAD - *xxxxxxxx*, Abend *XXXX* in Adabas linkage routine

Explanation During SCP processing, CICS transaction abend xxxx occurred in the Adabas linkage module *xxxxxxxx* that was specified via the Natural profile parameter `ADANAME` (see the Natural *Parameter Reference* documentation).

Action Check the Adabas documentation and correct the error, or contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS01 - SCP, GETMAIN for IOCB failed (*eeeeeeee*)

Explanation At session initialization, the `EXEC CICS GETMAIN` command for IOCB storage of a transaction belonging to a `TYPE=NONE` thread group has failed due to a CICS storage bottleneck, *eeeeeeee* being the CICS error condition.

Action Increase CICS storage or use a thread-bound transaction ID.

NS02 - SCP, System initialization/recovery failure *xxxx*

Explanation The Natural system environment is not operational due to a failure in a previous system initialization or recovery. *xxxx* indicates the initialization (NI*nn*) and recovery (NR*nn*) message code respectively.

Action Determine the reason of the failure. Correct the error and load a new copy of the system directory to restart system initialization.

NS03 - SCP, BB invalid during roll-in

Explanation At session resumption, the IOCB and BB control block pointers are not consistent or the BB pointed to by IOCB is not in the valid storage range for this session.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS04 - SCP, IOCB not found during roll-in

Explanation At session resumption, the IOCB and SIR pointers are not consistent or the IOCB pointer to the session's "old thread" is invalid.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS05 - SCP, No thread available (*eeeeeeee*)

Explanation a) At session initialization or resumption, the `EXEC CICS GETMAIN` command for thread storage of a transaction belonging to a `TYPE=GETM` thread group has failed, *eeeeeeee* being the CICS error condition.

b) A `TYPE=SHR` thread group has no valid threads.

c) The thread of a non-relocatable session has gone.

Action a) Increase CICS dynamic storage.

b) and c) Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS06 - SCP, No CICS roll facility available

Explanation It has been defined that the NCI system is not to use the Natural Roll Server. At session initialization, no CICS roll facility is available for a new Natural session due to one of the following reasons:

a) All VSAM RRDS roll files are full or not available and temporary storage is full or not available;

b) CICS temporary storage auxiliary is full or not available;

c) CICS main temporary storage is not allowed.

Action a) Increase the size of the current VSAM RRDS roll file(s) or allocate additional VSAM RRDS roll file(s);

b) make CICS auxiliary temporary storage available as Natural roll facility by establishing `CISIZE` greater/equal 4K;

c) specify a non-zero value in the `TSRECSZ` parameter of the `NCMDIR` macro to allow main temporary storage.

NS07 - SCP, Thread group not available

Explanation a) At session initialization, the `TYPE=SHR` thread group associated to the current transaction has no valid thread(s).

b) The environment-dependent nucleus executes in the CICS open transaction environment (OTE) on an open TCB, and the current transaction is associated to a `TYPE=SHR` thread group.

Action a) Check the thread group definition by the `NCMTGD` specification in the system directory generation.

b) Either define the environment-dependent nucleus with the attributes `API(CICSAPI)` and `CONCURRENCY(QUASIRENT)` or associate the current transaction to a `TYPE=GETM` thread group.

NS08 - *xxxxxxxx*, System directory missing/invalid (*eeeeeeee*)

Explanation At an SCP request, one of the following has occurred:

a) The `EXEC CICS LOAD` command for the Natural system directory has failed (no valid PPT entry / directory name incorrect), *xxxxxxxx* representing the name of the module to be loaded and *eeeeeeee* being the CICS error condition;

b) the loaded directory module is not modifiable;

c) the loaded directory module is not compatible with `NCISTART` or is incorrectly linked.

Action a) Make the system directory available to your CICS (check PPT entry and/or DFHRPL chain).

b) Link the system directory with the `NORENT` option and set the `EXECKEY(USER)` attribute in its CICS program definition.

c) Reassemble `NCISCPCB` with the correct macro library and relink the system directory in the correct order of modules.

NS09 - SCP, No session info record available

Explanation At session initialization, one of the following has occurred:

a) the primary SIR block is full and secondary SIR blocks are disallowed;

b) the `EXEC CICS GETMAIN` command for a secondary SIR block has failed due to CICS storage bottleneck;

c) at session resumption, SIR and restart data are inconsistent.

Action a) Increase the primary SIR block (first subparameter of the `USERS` parameter in the `NCMDIR` macro) or allow secondary SIR blocks (second subparameter of the `USERS` parameter in the `NCMDIR` macro);

b) increase CICS dynamic storage;

c) contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS10 - SCP, Compression error during roll-out

Explanation At session suspension, the size of storage to be rolled is larger than the roll facility's slot size; in case of VSAM RRDS: the size of the session to be rolled out does not fit into the session's VSAM RRDS roll file slot.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS11 - SCP, BB invalid during roll-out

Explanation At session suspension, IOCB and BB pointers are not consistent or the BB pointer in the IOCB is not in the valid storage range of this session.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS12 - *xxxxxxxx*, Roll-out, FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation At session suspension, a roll facility I/O request has failed.

xxxxxxxx - CICS roll facility name

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS13 - *xxxxxxxx*, **Roll-in, FC=***ffff*, **RSP=***ccc*, **RSP2=***rrr*, *eeeeeeee*

Explanation At session resumption, a roll facility I/O request has failed.

xxxxxxxx - CICS roll facility name

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS14 - Cntrl record access, FC=*ffff*, **RSP=***ccc*, **RSP2=***rrr*, *eeeeeeee*

Explanation At session initialization or termination, access to the SCP system control record has failed.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field EIBRESP)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - `CICS` error condition

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS15 - SCP, Synchronization, FC=*ffff*, **RSP=***ccc*, **RSP2=***rrr*, *eeeeeeee*

Explanation At session synchronization/serialization, a request as `ENQ/DEQ/WAIT EVENT` has failed; the following parameters apply:

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - `CICS` error condition

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS16 - SCP, Natural session lost

Explanation At session resumption, session data cannot be found, neither in a thread nor in a roll facility.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS17 - SCP, System control record invalid

Explanation At session suspension or termination, when trying to release a SIR block, the SCP system control record is inconsistent with the current system.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS18 - SCP, System directory extension missing/invalid

Explanation At an SCP request one of the following has occurred:

a) The system directory has no extension;

b) the directory and its extension are not consistent.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS19 - SCP, Duplicate terminal ID encountered xxxxxxxx

Explanation At Natural session start the Natural CICS Interface has detected, that a session for the mentioned terminal ID still/already exists. This message is displayed if `DUPTID=OFF` is set or if the Natural CICS Interface is called recursively:

If `DUPTID=OFF` is set in the `NTCICSP` macro, duplicate terminal IDs can be caused by one of the following error situations:

1. The existing session is “dead”, i.e. a terminal disconnected from CICS without prior session termination, or Natural failed to clean-up properly after an abend.
2. A Natural CICS terminal ID exit generates non-unique logical terminal IDs.
3. CICS regions with identical terminal IDs are sharing the same Natural SIP server and/or roll server.
4. The user's CICS auto-install exit generates non-unique CICS terminal IDs.

If Natural CICS Interface is called recursively, a 3GL program called within Natural tries to call Natural again using `EXEC CICS LINK`, for example.

Action
- For `DUPTID=OFF`, perform the actions 1 to 4 below to resolve the related errors 1 to 4 above:

  1. Use `SYSTP E,U` to cancel the obsolete Natural session.

     Or:

Specify DUPTID=ON in NTCICSP so that the Natural CICS Interface can handle duplicate terminal IDs and terminate the obsolete session.

2. Correct your Natural CICS terminal ID exit.
3. Either provide unique terminal IDs over all CICS regions sharing Natural roll and/or SIP server, or do not share these Natural resources amongst CICS regions with non-unique terminal IDs.
4. Correct your CICS auto-install exit.

- For recursive calls:

  Use the external subroutine CMTASK or the Natural 3GL CALLNAT Interface.

NS21 - SCP, Relocation error FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation At session resumption, the relocation process has failed.

ffff - failing EXEC CICS command (EIB field EIBFN)

ccc - EXEC CICS command response code (EIB field EIBRESP)

rrr - EXEC CICS command reason code (EIB field EIBRESP2)

eeeeeeee - CICS error condition

Action Contact support.

NS22 - SCP, Compression failure, RSP=*nn*

Explanation At session suspension, the compression process has failed, the response code *nn* reflects the last 2 digits in a NUSO2*nn* message number. This NUSO2*nn* message is issued in addition upon the message log (NTCICSP generation parameter MSGDEST) giving detailed information about the compression failure.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS23 - SCP, De-compression failure, RSP=*nn*

Explanation At session resumption, the decompression process has failed, the response code *nn* reflects the last 2 digits in a NUSO2*nn* message number. This NUSO2*nn* message is issued in addition upon the message log (NTCICSP generation parameter MSGDEST) giving detailed information about the decompression failure.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS30 - Roll server ALLOC failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session initialization, the request to register a session to the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return code and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS31 - Roll server FREE failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session termination, the request to deregister a session from the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return code and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS32 - Roll server WRITE failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session suspension, the request to pass a session's data to the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS33 - Roll server READ failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session resumption, the request to retrieve a session's data from the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS34 - Roll server ROLL-OUT failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session suspension, the request to compress and write a session's data to the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS35 - Roll server ROLL-IN failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session resumption, the request to read and decompress a session's data from the Roll Server has failed.

ccc - Roll Server return code

rrr - Roll Server reason code

Action Check Roll Server return and reason code (***Return Codes and Reason Codes of the Roll Server Requests***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS39 - Roll server not active SUBSID=

Explanation The NCI environment is to use the Natural Roll Server (`ROLLSRV=YES` in `NCMDIR`), but it is currently not active. No dump is created.

Action Start the Natural Roll Server.

NS40 - SIP server ALLOC failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session initialization, the request to register a session to the Authorized Services Manager's SIP handler has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS41 - SIP server FREE failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session termination, the request to deregister a session from the Authorized Services Manager's SIP handler has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS42 - SIP server READ failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session resumption, the request to retrieve the session's information record (SIR) from the Authorized Services Manager's SIP handler has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS43 - SIP server BROWSE-F failure, RSP=*ccc*, RSP2=*rrr*

Explanation A `SYSTP` utility request to browse forward through the session information records has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS44 - SIP server BROWSE-B failure, RSP=*ccc*, RSP2=*rrr*

Explanation A SYSTP utility request to browse backward through the session information records has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS45 - SIP server WRITE failure, RSP=*ccc*, RSP2=*rrr*

Explanation At session suspension, the request to pass the session's information record (SIR) to the Authorized Services Manager's SIP handler has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS46 - SIP server QUERY failure, RSP=*ccc*, RSP2=*rrr*

Explanation A `SYSTP` utility request for SIP Server statistics has failed.

ccc - SIP Server return code

rrr - SIP Server reason code

Action Check SIP Service return code and reason code (see ***SIP Service Return Codes and Reason Codes***). Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NS49 - SIP server not active SUBSID=

Explanation The NCI environment has been defined to be able to switch CICS application regions (parameter `CICSPLX=YES` in `NCMDIR`). This requires that the Authorized Services Manager's SIP handler is active, but it is currently not. No dump is created.

Action Start the Authorized Services Manager's SIP handler.

Natural CICS Interface Session Errors

NTAD - *xxxxxxxx*, Abend *xxxx* In Adabas linkage routine

Explanation CICS transaction abend *xxxx* occurred in the Adabas linkage module *xxxxxxxx* that was specified via the Natural profile parameter `ADANAME` (see the Natural *Parameter Reference* documentation).

Action Check the Adabas documentation and correct the error, or contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NT01 - Screen size lost, session size was *xxx*, terminal size is *yyy*

Explanation After resume of a pseudo-conversational Natural session the terminal mode has changed from DEFAULT to ALTERNATE or vice versa.

xxx - DEF or ALT
yyy - ALT or DEF

Action Check for potential other transactions running on that terminal between two Natural tasks; for example, message switching transaction, or good-night programs.

NT02 - Session was cancelled by administrator *uuuuuuuu tttt*

Explanation The user session was cancelled via the system administrator function in SYSTP or via CICS Node Error Program (NEP) processing.

If Natural Web I/O Interface Server CICS Adapter is used, a user session is canceled when the respective browser session closes without proper termination of the Natural session.

uuuuuuuu - system administrator's user ID (*USER)

If the user session has been canceled as a result of node error program (NEP) or good night processing, the user ID is "* NEP *" or "* GNIT *", respectively.

tttt - system administrator's terminal ID (*INIT-ID)

If the user session has been canceled by a server or by a non-terminal task, the terminal ID is "SRVR" or "ASYN", respectively.

Action Contact your system administrator.

NT03 - I/O exit' *ffffffff* failure: RSP=*nnn*

Explanation The Natural CICS Interface terminal I/O exit NCIDTPEX has aborted the session with return code.

ffffffff - NCIDTPEX exit function
nnn - NCIDTPEX exit return code

Action Check the reason for the abortion within your terminal I/O exit.

NT04 - Aborted by TERMINAL ID exit *xxxxxxxx*

Explanation At session initialization or resumption, the Natural CICS Interface terminal ID exit NCITIDEX has aborted the session with return code *xxxxxxxx*.

Action Check the reason for the abortion within your terminal ID exit.

NT05 - External CALLNAT interface level failure

Explanation At terminal I/O, the Natural CICS Interface has detected an inconsistency between the current CICS link level and the Natural external `CALLNAT` interface level. The session is cancelled.

Action Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NT06 - Send attempted without a terminal

Explanation The Natural session attempted to perform terminal I/O.

Action When `*DEVICE=ASYNCH`, the Natural session must not issue statements that perform terminal I/O (`DISPLAY`, `WRITE`, `INPUT`, etc.) unless the session parameter `SENDER` was specified. Restart the Natural session with the `SENDER` parameter to get the terminal output or modify the application so that it does not issue any statements that perform terminal I/O in an asynchronous session.

NT07 - Error at task end: FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation At session suspension or termination, the `EXEC CICS RETURN` command has failed.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support.

NT08 - Terminal write error FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation An `EXEC CICS SEND` command has failed.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support.

NT09 - Terminal read error FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation An `EXEC CICS RECEIVE` command has failed.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support.

NT10 - Message switch error: FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation An `EXEC CICS SEND` request of the Natural CICS Interface message switching transaction has failed.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Contact support.

NT11 - *XXXXXXX* send failure: FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation An asynchronous Natural session has failed to route a message to the facility (terminal/destination) specified via the `SENDER/OUTDEST` session parameters.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Check the failing CICS command and response code.

NT12 - Asynch start failure: FC=ffff, RSP=ccc, RSP2=rrr, eeeeeeee

Explanation A pseudo-conversational asynchronous Natural session has failed to start its continuation task.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Check the failing CICS command and response code.

NT13 - Commarea write error: FC=*ffff*, RSP=*ccc*, RSP2=*rrr*, *eeeeeeee*

Explanation A Natural session has failed to write its session restart data into CICS temporary storage.

ffff - failing `EXEC CICS` command (EIB field `EIBFN`)

ccc - `EXEC CICS` command response code (EIB field `EIBRESP`)

rrr - `EXEC CICS` command reason code (EIB field `EIBRESP2`)

eeeeeeee - CICS error condition

Action Check the failing CICS command and response code.

NT14 - *ncixcall* error *er* at +*offs*

Explanation Execution of the Natural CICS Interface external CALLNAT interface module failed. The module has been linked as *ncixcall* in the installation procedure.

er - error code (see table below)

offs - module offset where the error has been detected

Error Code *er*	Explanation
01	Execution of an `EXEC CICS` command failed. Additionally, the contents of the CICS EIB fields `EIBFN`, `EIBRESP` and `EIBRESP2` are displayed: EIBFN=*ffff*, EIBRESP=*rrr*, EIBRESP2=*eeeeeeeeee*
02	For the call to *ncixcall* neither a COMMAREA nor a TWA has been specified.
03	The specified COMMAREA or TWA is shorter than four bytes.
04	CICS did not return any storage areas of an active Natural CICS Interface session.
05	The calling program did not specify any non-zero parameter address.
06	No Natural CICS Interface environment found.

07	The version of the Natural CICS Interface environment that called *ncixcall* does not match the version of the *ncixcall* module. No alternate NCIXCALL module (from a previous Natural version) has been specified using the CICS startup parameter INITPARM. Additionally, the mismatching versions are displayed: NCI versions: *ccc*/*xxx*; *ccc* – version of the calling environment /session; *xxx* – version of module *ncixcall*
08	The name of the alternate NCIXCALL module specified with the CICS startup parameter INITPARM is longer than eight characters.
09	The alternate NCIXCALL module specified using the CICS startup parameter INITPARM denotes the current *ncixcall* module. A recursive call is not allowed.

Action Check the error cause and correct the error.

NT88 - Incompatible nucleus and front-end program definitions *tran*/*tcbt*

Explanation A front-end program called the environment-dependent nucleus using a direct branch instruction (BASR). However, the program definition attributes API and CONCURRENCY of the front-end program and the nucleus are different causing the nucleus to run under an incompatible TCB type. The front-end program may be any of the following:

- Natural RPC server front-end,
- Natural Web I/O Interface Server CICS Adapter,
- Natural Development Server CICS Adapter,
- Natural CICS Interface external CALLNAT interface module, or
- A user-written front-end program.

tran - transaction used to start the front-end program

tcbt - TCB type under which the environment-dependent nucleus is running. Possible values are QR for the QR TCB and open for an open TCB.

This error is also raised if the environment-dependent nucleus executes on an open TCB and has been defined with the attribute combination API(CICSAPI) and either CONCURRENCY(REQUIRED) or CONCURRENCY(THREADSAFE). This attribute combination is not supported.

Action Check that identical values are specified for the program definition attributes API and CONCURRENCY for both the front-end program and the environment-dependent nucleus.

If the environment-dependent nucleus has been defined with the attribute combination API(CICSAPI) and either CONCURRENCY(REQUIRED) or CONCURRENCY(THREADSAFE), change the attribute definition to either API(CICSAPI) and CONCURRENCY(QUASIRENT) or API(OPENAPI) and CONCURRENCY(REQUIRED).

NT89 - *xxxxxxxx*, **Incompatible CICS version: SYSTEM=***xxxx*

Explanation The indicated module is not supported for the currently active CICS version *xxxx*.

Action Contact support.

NT90 - *xxxxxxxx*, **Backend program/transaction missing (***eeeeeeee***)**

Explanation The back-end program or transaction specified via front-end program of session parameter PROGRAM or CALLNAT 'CMPGMSET' does not exist; back-end transactions have a back-end "program" name STR=*xxxx* or RET=*xxxx*.

eeeeeeee - CICS error condition.

Action Check the program or transaction name and its CICS program and transaction definition respectively.

NT91 - *xxxxxxxx*, **Adabas linkage routine missing/invalid (***eeeeeeee***)**

Explanation a) A CICS LINK/LOAD request for the indicated module has failed.

eeeeeeee - CICS error condition.

b) The requested module is not a valid CICS command level program.

Action a) Check if the Natural profile parameter ADANAME (see the Natural *Parameter Reference* documentation) specifies the correct Adabas linkage program, if it is defined in CICS and if it is linked in a library available to CICS.

b) Check if the module named by the Natural profile parameter ADANAME is the Adabas command level version and if it is linked correctly.

NT92 - *xxxxxxxx*, **Natural nucleus module missing/invalid (***eeeeeeee***)**

Explanation For *xxxxxxxx* = NATPARM:

a) The Natural parameter module is not linked to the CICS interface or has the wrong product version.

For *xxxxxxxx* = NATSTUB:

b) NATSTUB is not linked to the CICS interface, while the Natural nucleus is linked to it or has the wrong product version number.

c) NATSTUB is not the entry point of the shared Natural nucleus which is not linked to the CICS interface or has the wrong product version.

Else:

d) Unable to load the shared Natural nucleus module *xxxxxxxx*.*eeeeeeee* - CICS error condition.

Action a) Link the Natural parameter module to the CICS interface.

b) Link module NATSTUB to the CICS interface.

c) Specify entry point CMSTUB linking the shared Natural or specify the correct module in the NUCNAME session parameter.

d) Check if session parameter NUCNAME is consistent with the CICS program definition and if the shared Natural nucleus has been linked correctly.

For z/OS only: If the shared Natural nucleus is to be loaded into the LPA/ELPA, check if LPA=YES has been specified in the CICS SIT or startup parameters.

NT93 - *xxxxxxxx***, Natural driver module missing/invalid**

Explanation a) The indicated module is not linked or invalid or does not have the same system maintenance (SM) level as the CICS interface.

b) The environment-dependent nucleus has been defined with the attribute combination API(CICSAPI) and either CONCURRENCY(REQUIRED) or CONCURRENCY(THREADSAFE). This attribute combination is not supported.

Action a) Link the correct module to the CICS interface.

b) Change the attribute definition to either API(CICSAPI) and CONCURRENCY(QUASIRENT) or API(OPENAPI) and CONCURRENCY(REQUIRED).

NT94 - *xxxxxxxx***, mandatory module not accessible**

Explanation The indicated module is not accessible by the Natural CICS Interface, because

a) it resides “above the line”, whereas NCISTART runs in 24-bit mode (the shared Natural nucleus, for example);

b) it cannot be modified.

Action a) Link the Natural CICS Interface and the indicated module with consistent AMODE/RMODE.

b) Link the indicated module with the NORENT option and set the EXECKEY(USER) attribute in its CICS program definition.

NT95 - Natural transaction *XXXX***, TWA size too small**

Explanation The size of the transaction work area for Natural is too small. It must be at least 128 bytes.

Action Correct the TWASIZE parameter in the CICS transaction definition entry for transaction *xxxx*.

NT96 - Natural transaction *XXXX* missing/invalid

Explanation	The Natural pseudo-conversational restart transaction ID specified in a front-end parameter list does not exist.
Action	Check the transaction code and its CICS transaction definition entry.

NT97 - Natural has been reset, please restart

Explanation	A new copy of the Natural under CICS system directory module has been loaded. Existing sessions cannot survive.
Action	The session is terminated.

NT98 - Session terminated, *XXXX* abend occurred

Explanation	An abend *xxxx* has occurred and Natural is unable to continue the session.
Action	The session will be terminated with a dump. Contact support and provide the dump. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

NT99 - Session terminated, unrecoverable abend *xxxx*/*yyyyy*

Explanation	A second abend *xxxx* has occurred while processing abend *yyyy*.
Action	The session is terminated with a dump. Specify parameter `DU=ON` and reproduce the problem to get a dump for the first abend. Contact support and provide the dump for the first abend. Important for z/OS: an unformatted dump helps to identify and resolve the problem more quickly.

Natural under CICS Informational Messages

The Natural under CICS informational messages comprise NCI environment startup messages and other messages, such as termination messages and messages issued via WTL, etc.

These messages are displayed with the following common prefix:

```
NCImmmm ssss term uuuuuuuu tran yy/jjj hh:mm:ss
```

Where

mmmm	- message number
ssss	- system ID, name of the local CICS system
term	- terminal ID
uuuuuuuu	- user ID
tran	- transaction ID

yy/jjj - Julian date, jjj denotes the Julian day in the year yy

hh:mm:ss - time

NCI0000	Unknown message NCI*nnnn*
NCI0001	*NciPfx* Natural/CICS Interface Version *nnn* Lvl *nnn*
NCI0002	*NciPfx* Installing Natural system
NCI0003	*NciPfx* Natural system successfully started
NCI0004	*NciPfx* Natural system reset
NCI0005	*NciPfx* Un-installing old Natural system
NCI0007	*NciPfx* NCI system directory *dir-name* at *address*
NCI0008	*NciPfx* NCI system directory extension at *address*
NCI0009	*NciPfx* NCI directory extension released at *address*
NCI0010	*grp-name*, Installing thread group, thread size = *nnnnn*
NCI0011	*grp-name*, Terminating thread group, thread size = *nnnnn*
NCI0012	*grp-name*, Thread group (*type*) available: threads = *nnn*
NCI0013	*grp-name*, Thread group (*type*) dead due to no threads available
NCI0015	*grp-name*, Thread(s) released at *address*
NCI0016	*thd-name*, Thread allocated at *address*
NCI0017	*thd-name*, Thread allocation failure: *failure*
NCI0019	*NciPfx* Max thread size for Roll Server: *nnnnn*
NCI0020	*NciPfx* Max thread size for VSAM roll files: *nnnnn*
NCI0021	*NciPfx* Max thread size for CICS Temp Storage: *nnnnn*
NCI0022	*file-name*, VSAM roll file not available
NCI0023	*file-name*, VSAM roll file access failure: *failure*
NCI0024	*file-name*, VSAM roll file unusable: inconsistent control record
NCI0025	*file-name*, VSAM roll file unusable: too few records in file
NCI0026	*file-name*, no. records / record size / CI size: *nnnnnnnn / nnnnn / nnnnn*
NCI0027	*file-name*, roll attributes: slot size / no. slots: *nnnnn / nnnnn*
NCI0028	*NciPfx* CICS Main Temp Storage available: slot size = *nnnnn*
NCI0029	*NciPfx* CICS Aux Temp Storage available: slot size = *nnnnn*
NCI0030	*tran-id*, NCI message switch transaction *available/not available*
NCI0031	*dest-id*, NCI session log destination *available/not available*
NCI0032	*dest-id*, NCI message log destination *available/not available*
NCI0033	*dest-id*, NCI common dyn parms destination *available/not available*
NCI0034	*dest-id*, NCI MVS RJE destination *available/not available*
NCI0040	*NciPfx* Loading NCI dyn parms from destination *dest-id*

NCI0041	*NciPfx* Deleting NCI common dyn parms
NCI0042	*NciPfx* NCI common dyn parms deleted at *address*
NCI0043	*NciPfx* NCI common dyn parms loaded at *address*
NCI0044	*NciPfx* NCI dyn parms load failure: *failure*
NCI0050	*NciPfx* Installing *type* pool, size = *nnnnnnn pool-name*
NCI0051	*NciPfx* Creating *type* pool cache, size = *nnnnnnn*
NCI0052	*NciPfx* Deleting *type* pool cache, size = *nnnnnnn*
NCI0053	*NciPfx type* pool allocated at *address* size = *nnnnnnn*
NCI0054	*NciPfx type* pool released at *address* size = *nnnnnnn*
NCI0055	*NciPfx type* pool GETMAIN failure: *failure*
NCI0056	*NciPfx type* pool cache created ALET = *xxxxxxxx*
NCI0056	*NciPfx type* pool cache created *64-bit address*
NCI0057	*NciPfx type* pool cache deleted ALET = *xxxxxxxx*
NCI0057	*NciPfx type* pool cache deleted *64-bit address*
NCI0058	*NciPfx type* pool cache creation failure: *failure*
NCI0059	*NciPfx type* pool cache deletion failure: *failure*
NCI0069	*NciPfx* Local Editor buffer pool using file *file-name*
NCI0070	*SubSid*, Sub-system for *server(s)*, directory at *address*
NCI0071	*SubSid*, Sub-system location failure: *failure*
NCI0080	*NciPfx* NTCICSP generation parameters modified
NCI0081	*NciPfx* NTCICSP gen parms resource status refreshed
NCI0082	*NciPfx* Buffer pool de-/re-allocated
NCI0090	*NciPfx* Sessions force-terminated: *nnnnn*
NCI0100	Message produced by CMWTL
NCI0110	Message produced by CMTRACE
NCI0200	Natural termination message
NCI0250	Storage violation in program *PPPPPPPP* called by *Natpgm/NatLib/StatementNo*
NCI0300	*server-id*: Master session installed
NCI0301	*server-id*: Master session installation failed
NCI0302	*server-id*: Server environment terminated
NCI0303	*NciPfx server-id*: Master session deleted
NCI0304	*NciPfx server-id*: Master session deletion failed
NCI0305	*NciPfx server-id*: No master session to delete
NCI0310	Server trace message number

NCISCPRI Warnings and Error Messages

The following messages may be output during the initialization of VSAM roll files for Natural:

mmmmmmmm **Request failure at offset** *xxxxx*, **RTC=***rrrr*, **ERROR=***eeee*, **FTNCD=***ffff* **(E)**

A VSAM macro request failed. *mmmmmmmm* is the failing macro; *xxxxx* is the offset of the macro request within NCISCPRI; *rrrr*, *eeeee* and *fffff* are the VSAM macro request return, feedback and function code.

Record size is less than optimum of CI-SIZE - 7 (W)

For an (unblocked) VSAM file, the maximum possible record size is the control interval size minus 7. Any smaller record size means wasted disk space and can result in more roll I/Os.

Accessed file is not an RRDS file (E)

The VSAM file to be initialized is not an RRDS, but a KSDS or ESDS file. Only VSAM RRDS files are supported as VSAM roll files for Natural.

Record size is less than allowed minimum of 4089 (E)

The minimum VSAM control interval size supported by the Natural CICS interface is 4096 and the minimum record size supported by Natural under CICS is the corresponding optimum record size.

Parameter input obsolete and therefore ignored (W)

NCISCPRI does not require parameter input in JCL stream. But if available, it is retrieved (until the end-of-data). The message is not issued for null files.

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- NII3500 1540
- NII3501 1540
- NII3502 1540
- NII3503 1541
- NII3505 1541
- NII3506 1541
- NII3507 1541
- NII3508 1542
- NII3509 1542
- NII3510 1542
- NII3511 1542
- NII3512 1543
- NII3513 1543
- NII3515 1543
- NII3517 1543
- NII3518 1544
- NII3519 1544
- NII3520 1544
- NII3521 1544
- NII3522 1545
- NII3523 1545
- NII3524 1545
- NII3525 1545
- NII3527 1546
- NII3530 1546
- NII3531 1546
- NII3600 1547
- NII3601 1547
- NII3602 1547
- NII3604 1547
- NII3605 1548
- NII3607 1548

- NII3611 1548
- NII3612 1549
- NII3613 1549
- NII3614 1549
- NII3620 1549
- NII3621 1550
- NII3623 1550
- NII3624 1550
- NII3626 1550
- NII3627 1551
- NII3628 1551
- NII3629 1551
- NII3640 1552
- NII3641 1552
- NII3642 1552
- NII3650 1552
- NII3651 1553
- NII3652 1553
- NII3661 1553
- NII3662 1553
- NII3663 1554
- NII3664 1554
- NII3665 1554
- NII3666 1554
- NII3668 1555
- NII3669 1555
- NII3670 1555
- NII3671 1555
- NII3672 1556
- NII3673 1556
- NII3680 1556
- NII3682 1557
- NII3683 1557
- NII3684 1557
- NII3685 1558
- NII3686 1558
- NII3690 1558
- NII3692 1559
- NII3800 1559
- NII3801 1559
- NII3802 1559
- NII3803 1560
- NII3804 1560
- NII3805 1560
- NII3810 1561

- NII3811 1561
- NII3812 1561
- NII3813 1561
- NII3814 1562
- NII3815 1562
- NII3816 1562
- NII3820 1562
- NII3821 1563
- NII3822 1563
- NII3823 1563
- NII3830 1564
- NII3831 1564
- NII3832 1564
- NII3950 1564
- NII3951 1565
- NII3960 1565
- NII3961 1565
- NII3962 1565
- NII3963 1566
- NII4093 1566

This section lists the error messages (**NII***nnnn* messages) that may be issued by the Natural IMS TM Interface.

Error texts are not issued for errors of the types “abend” and “abend with dump”, and not in a server environment. When a server environment is used, the error code is returned to the caller in Register 15.

For information on the Natural IMS TM Interface, see *Natural under IMS TM* in the section *TP Monitor Interfaces* of the *Natural for z/OS* documentation.

NII3500

Type	Abend with user abend code `U3500` with dump
Issuing Module	`CONV/NONC/NTRD` driver
Reason	You are not allowed to execute a driver of type `CONV`, `NONC` or `NTRD` in a BMP region.
Action	Check your installation.

NII3501

Type	Abend with user abend code `U3501` with dump
Issuing Module	BMP driver
Reason	You are not allowed to execute a driver of type BMP in an MPP region.
Action	Check your installation.

NII3502

Type	Abend with user abend code `U3502` with dump
Issuing Module	`NIIMPP`
Reason	The GU against the message queue failed.
Action	Check the status code contained in register 15.

NII3503

Type	Abend with user abend code `U3503` with dump
Issuing Module	All drivers
Reason	Unable to load the Natural IMS TM Interface module.
Action	Check the `NIINAME` parameter of the driver and/or the steplib concatenation of the region.

NII3505

Type	Abend with user abend code `U3505` with dump
Issuing Module	All drivers.
Reason	The entry within the transaction code table could not be located.
Action	Check your transaction code table.

NII3506

Type	Abend with user abend code `U3506` with dump
Issuing Module	All drivers.
Reason	The entry within the NII parameter module could not be located.
Action	Check the transaction code table and/or environment table.

NII3507

Type	Error
Issuing Module	`NIIMPP`
Reason	The GN against the message queue failed.
Action	Check the status code contained in the message.

NII3508

Type	Error
Issuing Module	NIIMPP
Reason	The received input message is greater than the input message buffer.
Action	Increase the size of the input message buffer in your environment table.

NII3509

Type	Error
Issuing Module	NIIINITS
Reason	The session start exit NIIXSSTA requested that the Natural session be terminated abnormally.
Action	Check the return code contained in the message.

NII3510

Type	Abend with user abend code U3510 with dump
Issuing Module	NIIMPP
Reason	The ISRT of the termination message failed.
Action	Check the status code contained in Register 15.

NII3511

Type	Abend with user abend code U3511 with dump
Issuing Module	NIIMPP
Reason	The ISRT of the SPA failed.
Action	Check the status code contained in Register 15.

NII3512

Type	Abend with user abend code U3512 with dump
Issuing Module	NIIBMP, NIICONV, NIINONC, NIINTRD, NIISFE, NIISRVD
Reason	Unable to find the NTIMSPT macro in the Natural parameter module or the NIITRTAB transaction code table module.
Action	Either specify at least one NTIMSPT macro in the Natural parameter module, or include the NIITRTAB transaction code table in the link to the Natural IMS TM Interface module.

NII3513

Type	Abend with user abend code U3513 with dump
Issuing Module	All drivers
Reason	The storage for the working area, the buffers or the Natural thread could not be obtained.
Action	Check the reason code contained in Register 15 and/or increase the size of your region.

NII3515

Type	Error with dump
Issuing Module	NIIBTCH, BMP driver
Reason	Open failed.
Action	Check your BMP JCL for the DD name contained in the message.

NII3517

Type	Error
Issuing Module	NIIOLDSN
Reason	The session resume exit NIIXSTAR requested that the Natural session be terminated abnormally.
Action	Check the return code contained in the message.

NII3518

Type	Abend with user abend code U3518 with dump
Issuing Module	NIISRTQ
Reason	The CHNG call for the printer destination specified with the Natural profile parameter SENDER failed.
Action	Check the status code contained in Register 15. Probably an invalid printer destination was specified.

NII3519

Type	Abend with user abend code U3519 with dump
Issuing Module	NIIISRTQ
Reason	The ISRT call to the assigned printer destination failed.
Action	Check the status code contained in Register 15.

NII3520

Type	Abend with user abend code U3520 with dump
Issuing Module	NIIISRTQ
Reason	The PURG call for the assigned printer destination failed.
Action	Check the status code contained in Register 15.

NII3521

Type	Abend with user abend code U3521 with dump
Issuing Module	BMP driver
Reason	Either Natural terminated with a bad return code or an NII error occurred and you requested an abend.
Action	If the abend is caused by a Natural error, CMPRINT contains the error message. If the abend is caused by a Natural under IMS error, a WTO with the error message has been issued before.

NII3522

Type	Error
Issuing Module	NIIMPP
Reason	The SPA is greater than the size specified for the SPA buffer.
Action	Check the environment table.

NII3523

Type	Error
Issuing Module	NIIBTCH
Reason	The storage for the back-end program area could not be allocated.
Action	Check the TERMINATE statement and/or increase the size of your BMP region.

NII3524

Type	Error with dump
Issuing Module	NIIBTCH
Reason	The back-end program could not be loaded.
Action	Check the name of the back-end program contained in the message and/or the steplib concatenation of your region.

NII3525

Type	Abend with user abend code U3525 with dump
Issuing Module	NIIDRIV
Reason	The save area stack is exhausted.
Action	Contact support.

NII3527

Type	Error
Issuing Module	NIIMPP
Reason	You specified RELO=FORCE, but there is insufficient memory for a new thread. RELO=FORCE will cause storage allocation for a second thread, if the first allocated thread is at the same storage location as the thread used before the terminal I/O.
Action	Increase the size of your region.

NII3530

Type	Abend with user abend code U3530
Issuing Module	NIIBOOTS, CONV/NONC driver
Reason	Unable to obtain our name/token pair.
Action	Check the return code contained in Register 15 and/or the steplib concatenation of your region.

NII3531

Type	Error
Issuing Module	NIIBOOTS
Reason	Unable to load the driver.
Action	Check the return code contained in Register 15 and/or the steplib concatenation of your region.

NII3600

Type	Error
Issuing Module	NIIVTRTA
Reason	Transaction type does not match driver type. For example, you specified transaction code conversational in the transaction code table but the driver type is non-conversational and vice versa.
Action	Check the transaction code table.

NII3601

Type	Error
Issuing Module	NIIVTRTA
Reason	The SPA is too small. The SPA must be at least 157 bytes plus the offset of the Natural reserved area defined in the transaction table.
Action	Check the transaction code table and/or increase the size of the SPA.

NII3602

Type	Error
Issuing Module	NIIVTRTA
Reason	IOPCB is the only PCB in the PSB. At least one additional PCB is required.
Action	Check your PSB.

NII3604

Type	Error
Issuing Module	NIIVTRTA
Reason	Not enough alternate TP PCBs. The PSB does not contain the number of alternate modifiable TP PCBs specified in the transaction code table as additional work PCBs.
Action	Check your transaction code table and/or your PSB.

NII3605

Type	Error
Issuing Module	`NIIVTRTA`
Reason	Message PCB is not a modifiable alternate TP PCB. You specified a separate message PCB in the transaction code table, but your PSB does not contain enough modifiable alternate TP PCBs.
Action	Check your transaction code table and/or your PSB.

NII3607

Type	Error
Issuing Module	`NIIVTRTA`
Reason	The PCB number specified for the logical PCB name is greater than the maximum number of PCBs.
Action	Check your transaction code table and/or your PSB for the PCB name contained in the message.

NII3611

Type	Error
Issuing Module	`NIIINITS`
Reason	The user exit `NIIXRFNU` returned a roll file number not in the range of 1 to the total available number of roll files as defined in the environment table, that is, larger than the total number of allowed roll files.
Action	Correct the user exit.

NII3612

Type	Error with dump
Issuing Module	NIIDRIV
Reason	The roll server ALLOC request failed. The message contains the return code/reason code.
Action	Contact support.

NII3613

Type	Error
Issuing Module	NIIDRIV
Reason	The roll server ALLOC request failed because the roll file is full.
Action	Increase the size of the roll file or increase the number of roll files.

NII3614

Type	Error
Issuing Module	NIIDRIV, NIIOLDSN, NIIENDSN, NIIWTERM
Reason	The roll server is not active.
Action	Check the roll server status and restart the roll server.

NII3620

Type	Error with dump
Issuing Module	NIIOLDSN
Reason	Error during address relocation. The message contains the NATRELD return code.
Action	Contact support.

NII3621

Type	Error
Issuing Module	NIIOLDSN
Reason	An IPL has occurred since the start of the Natural session and TERMIPL=ON is specified in the environment table.
Action	Restart your session.

NII3623

Type	Error
Issuing Module	NIIOLDSN
Reason	Another Natural product version has been installed by the Natural system administrator since the start of the Natural session. All active Natural sessions are terminated.
Action	Restart your session.

NII3624

Type	Error with dump
Issuing Module	NIIOLDSN
Reason	A wrong user thread has been rolled in.
Action	Contact support.

NII3626

Type	Error
Issuing Module	NIIOLDSN
Reason	The roll files used by the roll server have been reformatted by the Natural system administrator since the start of the Natural session. All active Natural sessions are lost.
Action	Restart your session.

NII3627

Type	Error with dump
Issuing Module	NIIOLDSN
Reason	The roll server READ request failed. The message contains the return code/reason code.
Action	Contact support.

NII3628

Type	Error
Issuing Module	NIIDRIV, NIIOLDSN, NIIENDSN, NIIWTERM
Reason	The Natural system administrator has purged the Natural session from the roll server using the SYSTP utility or the application programming interface USR3002N. This error may also occur in the following scenario: A Natural session has been suspended by IMS TM (due to an unavailable resource) and you have started a new Natural session at the same LTERM. If later on the suspended Natural session is re-scheduled by IMS TM, the suspended Natural session is cancelled with this error.
Action	Restart your session.

NII3629

Type	Error
Issuing Module	NIIOLDSN
Reason	The IMS TM user who is currently logged on at the IMS TM LTERM is different to the user who started the IMS TM conversation at this LTERM. For security reasons, the IMS TM conversation (and the corresponding Natural session) is terminated.
Action	Restart your session.

NII3640

Type	Error with dump
Issuing Module	NIIPFAM
Reason	Unexpected status code for the CHNG call.
Action	Check the status code contained in the message and/or Contact support.

NII3641

Type	Error with dump
Issuing Module	NIIPFAM
Reason	Unexpected status code on the ISRT call.
Action	Check the status code contained in the message and/or Contact support.

NII3642

Type	Error with dump
Issuing Module	NIIPFAM
Reason	Unexpected status code on the PURG call.
Action	Check the status code contained in the message and/or Contact support.

NII3650

Type	Error
Issuing Module	NIICDBPC
Reason	Database not available and TERMDB=YES is specified in the environment table.
Action	Start the database.

NII3651

Type	Error
Issuing Module	NIICDBPC
Reason	The PROCOPT option in the PCB is set to update but the database is not available for update and TERMDB=YES is specified in the environment table.
Action	Check the database.

NII3652

Type	Abend with user abend code U3652
Issuing Module	NIIINQYE
Reason	The INQY ENVIRON call failed. Register 15 contains the return code in bytes 0 and 1 and the reason code in bytes 2 and 3.
Action	Contact support.

NII3661

Type	Error with dump
Issuing Module	NIIWTERM
Reason	Error during release of programs. The message contains the NATRELSE return code.
Action	Contact support.

NII3662

Type	Error with dump
Issuing Module	NIIWTERM
Reason	The ISRT call to the alternate PCB for the SPA failed.
Action	Check the status code contained in the message.

NII3663

Type	Error with dump
Issuing Module	NIIWTERM
Reason	The ISRT call to the alternate PCB for the message failed.
Action	Check the status code contained in the message.

NII3664

Type	Abend with user abend code U3664 with dump
Issuing Module	NIIWTERM
Reason	The ISRT call for the SPA failed.
Action	Check the status code in Register 15.

NII3665

Type	Abend with user abend code U3665 with dump
Issuing Module	NIIWTERM
Reason	The ISRT call for the message failed.
Action	Check the status code in Register 15.

NII3666

Type	Error
Issuing Module	NIIWTERM
Reason	The compressed thread exceeds the local roll buffer slot size or roll file slot size. The message contains the compressed thread size.
Action	Increase the local roll buffer slot size if you use the roll server without a roll file, else increase the roll file slot size.

NII3668

Type	Error with dump
Issuing Module	NIIWTERM
Reason	Roll server WRITE request failed. The message contains the return code/reason code.
Action	Contact support.

NII3669

Type	Error
Issuing Module	NIIWTERM
Reason	You tried to switch to a non-Natural session using a Natural transaction code.
Action	Correct the application.

NII3670

Type	Error
Issuing Module	NIIWTERM
Reason	You can not switch directly from a non-conversational transaction code to a conversational one.
Action	Correct the application.

NII3671

Type	Error with dump
Issuing Module	NIIWTERM
Reason	The CHNG call for the transaction switch failed. The message contains the first five bytes of the transaction code and the status code.
Action	Check the status code and/or correct the application.

NII3672

Type	Error
Issuing Module	NIIWTERM
Reason	Direct switch to a non-existent transaction code.
Action	Check your transaction code or IMSGEN.

NII3673

Type	Abend with user abend code U3673 with dump
Issuing Module	NIIWTERM
Reason	Deferred switch to a non-existent transaction code.
Action	Check your transaction code or IMSGEN.

NII3680

Type	Error
Issuing Module	NIISIPSS
Reason	The subsystem entry for SPATID could not be located. The message contains the subsystem ID as specified in the environment table.
Action	Check your subsystem in your environment table and/or verify that the *Authorized Services Manager* is started. For information on the Authorized Services Manager, see *Authorized Services Manager under z/OS* in the *Operations* documentation.

NII3682

Type	Error
Issuing Module	`NIISIPSS`
Reason	The session information pool (SIP) is full.
Action	Restart the Authorized Services Manager with an increased number of SIP slots. For further information, see *Authorized Services Manager* in the *Operations* documentation.

NII3683

Type	Error
Issuing Module	`NIISIPSS`
Reason	The Authorized Services Manager is not active. The Authorized Services Manager must be active if the terminal-oriented non-conversational environment is used.
Action	Start the Authorized Services Manager. For further information, see *Authorized Services Manager* in the *Operations* documentation.

NII3684

Type	Error
Issuing Module	`NIISIPSS`
Reason	The SIP function of the Authorized Services Manager is disabled. The SIP function must be active if the terminal-oriented non-conversational environment is used.
Action	Start the Authorized Services Manager with the SIP function enabled as described in the section *Authorized Services Manager* in the *Operations* documentation.

NII3685

Type	Error with dump
Issuing Module	NIISIPSS
Reason	The Authorized Services Manager SIP function failed. The message contains the return and the reason code.
Action	For further information on the return/reason codes see the section *Authorized Services Manager* in the *Operations* documentation. If necessary, Contact support.

NII3686

Type	Error
Issuing Module	NIISIPSS
Reason	The size of the SPA buffer is greater than the SIP slot size.
Action	Increase the SIP slot size as described in the section *Authorized Services Manager* in the *Operations* documentation.

NII3690

Type	Error
Issuing Module	NIIDRIV, NIIOLDSN, NIISIPSM
Reason	The subsystem entry could not be located. The message contains the subsystem ID as specified with the Natural profile parameter SUBSID.
Action	Check your subsystem in the Natural parameter module and/or verify that the roll server or (only if monitoring is used) the Authorized Services Manager is started.

NII3692

Type	Error with dump
Issuing Module	NIIENDSN
Reason	The roll server FREE request failed. The message contains the return code/reason code.
Action	Contact support.

NII3800

Type	Error with dump
Issuing Module	NIIBDAMR
Reason	DCB not allocated for one of the roll files. The message contains the DD name of the roll file.
Action	Contact support.

NII3801

Type	Error
Issuing Module	NIIBDAMR
Reason	The OPEN of the roll file failed.
Action	Check your region JCL for the DD name contained in the message.

NII3802

Type	Error with dump
Issuing Module	NIIBDAMR
Reason	Invalid function code for NIIBDAMR.
Action	Contact support.

NII3803

Type	Error
Issuing Module	NIIBDAMR
Reason	No free slot in roll file. The message contains the DD name of the roll file.
Action	Increase the size of your roll file.

NII3804

Type	Error
Issuing Module	NIIBDAMR
Reason	The roll file has been reformatted by the Natural system administrator since the start of the Natural session. All active Natural sessions are lost.
Action	Restart the session.

NII3805

Type	Error
Issuing Module	NIIBDAMR
Reason	The roll file has been formatted with a Natural version that is incompatible to the Natural version used by the current Natural session. This error typically indicates that the roll file has been formatted with a Natural roll file initialization module of a newer Natural version.
Action	Reformat the roll file with the Natural roll file initialization module of the correct Natural version.

NII3810

Type	Error with dump
Issuing Module	NIISEOS
Reason	The CHNG call failed.
Action	Check the status code contained in the message.

NII3811

Type	Error
Issuing Module	NIISEOS
Reason	You tried to switch from a non-conversational Natural session to a conversational one.
Action	Check your application.

NII3812

Type	Error with dump
Issuing Module	NIISEOS
Reason	The ISRT call for the message into the alternate PCB failed.
Action	Check the status code contained in the message.

NII3813

Type	Error with dump
Issuing Module	NIISEOS
Reason	The ISRT call for the SPA into the alternate PCB failed.
Action	Check the status code contained in the message.

NII3814

Type	Error
Issuing Module	NIISEOS
Reason	The ISRT call for the dummy message failed.
Action	Check the status code contained in the message.

NII3815

Type	Abend with user abend code U3815 with dump
Issuing Module	NIISEOS
Reason	The ISRT call for the SPA into the IOPCB failed.
Action	Check the status code contained in Register 15.

NII3816

Type	Error
Issuing Module	NIISEOS
Reason	You tried to switch to a non-existent transaction code.
Action	Check your transaction code or IMSGEN.

NII3820

Type	Error
Issuing Module	NIISIPSM
Reason	The Authorized Services Manager is not active. The Authorized Services Manager must be active if the monitoring function is used.
Action	Start the Authorized Services Manager as indicated in the section *Authorized Services Manager* in the *Operations* documentation.

NII3821

Type	Error
Issuing Module	`NIISIPSM`
Reason	The SIP function of the Authorized Services Manager is disabled. The SIP function must be active if the monitoring function is used.
Action	Start the Authorized Services Manager with the enabled SIP function as indicated in the section *Authorized Services Manager* in the *Operations* documentation.

NII3822

Type	Error with dump
Issuing Module	`NIISIPSM`
Reason	An unexpected return code was received from the SIP function of the Authorized Services Manager. The message contains the return code and the reason code.
Action	For the return codes, see the section *Authorized Services Manager* in the *Operations* documentation. If necessary, Contact support.

NII3823

Type	Error
Issuing Module	`NIISIPSM`
Reason	The SIP server pool is full.
Action	Increase the number of SIP slots in the Authorized Services Manager as indicated the section *Authorized Services Manager* in the *Operations* documentation.

NII3830

Type	Abend with user abend code U3830 with dump
Issuing Module	NIIACT
Reason	The CMD command failed when issuing the /LOG command to write the accounting record. The transaction code must be authorized to use the /LOG command when ACTLOG=LOG is set for accounting.
Action	Check the status code contained in Register 15.

NII3831

Type	Abend with user abend code U3831 with dump
Issuing Module	NIIACT
Reason	The /LOG command failed when writing the accounting record.
Action	Check the status code contained in Register 15.

NII3832

Type	Abend with user abend code U3832 with dump
Issuing Module	NIIACT
Reason	The Authorized Services Manager failed when writing the accounting record to SMF.
Action	Check the status/reason code contained in Register 15.

NII3950

Type	Error with dump
Issuing Module	NIIESTAE
Reason	A system abend code has been intercepted.
Action	Examine the dump.

NII3951

Type	Error with dump
Issuing Module	NIIESTAE
Reason	A recursive system abend code has been intercepted.
Action	Examine the dump.

NII3960

Type	Error
Issuing Module	CMGETMSG, NIGETMSG
Reason	The retrieved message exceeds the specified size of the input message buffer.
Action	Increase the size of your input message buffer.

NII3961

Type	Error
Issuing Module	CMGETSEG, CMGSEGO
Reason	The segment received does not fit into the input message buffer.
Action	Increase the size of the input message buffer.

NII3962

Type	Abend with user abend code U3962
Issuing Module	CMSVC13D, NIIU3962
Reason	The Natural session has been abended on request.
Action	Contact the application developer.

NII3963

Type	Error
Issuing Module	CMSTCKSY
Reason	The synchronized STCK value could not be obtained.
Action	Contact the system administrator.

NII4093

Type	Error with dump
Issuing Module	NIIERROR
Reason	An unknown error has occurred. The message contains the original error number. This error may happen if the reported error number is not contained in the error message file NIIMSGT.
Action	Contact support.

150 Static Generation Messages and Codes Issued under NDB

This section lists the error messages that may be issued during static generation under Natural for Db2.

STAT9001	STAT9019	STAT9030	STAT9063
STAT9002	STAT9020	STAT9031	STAT9064
STAT9003	STAT9021	STAT9032	STAT9065
STAT9004	STAT9022	STAT9033	STAT9066
STAT9005	STAT9023	STAT9034	STAT9072
STAT9006	STAT9024	STAT9036	STAT9073
STAT9007	STAT9025	STAT9039	STAT9092
STAT9009	STAT9026	STAT9040	STAT9093
STAT9014	STAT9027	STAT9041	STAT9094
STAT9016	STAT9028	STAT9050	STAT9095
STAT9017	STAT9029	STAT9062	STAT9096

STAT9001 Object buffer allocation failed. RC = *return code*

Program NDBCHNK has been invoked to allocate space for Natural object load, but the allocation has failed; retry or increase the free storage pool.

STAT9002 Write on object area failed. RC = *return code*

Program NDBCHNK has been invoked to write a Natural object row into the appropriate buffer, but the write has failed; this is probably a NDBCHNK program error.

STAT9003 Statement entry retrieve error. RC = *return code*

Program NDBSTAT has been invoked to retrieve next Db2 statement information from the Natural object loaded in main storage, but the retrieval has failed (RC was neither 0 (OK) nor 4 (EOP)); the probable cause is a Natural object inconsistency.

STAT9004 Unsupported Adabas command: *command*

Program NDBSTAT has been invoked to retrieve next Db2 statement information from the Natural object loaded in main storage, but the Adabas command code returned was invalid; the probable cause is a Natural object inconsistency.

STAT9005 Freemain failed. RC = *return code*

Program NDBCHNK has been invoked to free the area allocated for Natural object load, but the release has failed; this is probably a program error.

STAT9006 Call for timestamp of program failed. RC = *return code*

Program NDBSTAT has been invoked to know the time stamp associated to the loaded Natural object, but the call has failed; this is probably a program error.

STAT9007 A-List item retrieve failed. RC = *return code*

Program NDBSTAT has been invoked to retrieve the next compilation A-list element, but the retrieval has failed (RC was neither 0 (OK) nor 20 (EOL)); the probable cause is a Natural object inconsistency.

STAT9009 Invalid database field format: *format*

Program NDBSTAT has been invoked to retrieve the next compilation A-list element, but the Db2 format code returned is invalid; the probable cause is a Natural object inconsistency.

STAT9014 Warning, may indicate a problem: second select table reset.

The table for a second selection logs the statement number of all second SELECT statements. The table is reset if there are more than 100 entries, which means with many nested program loops. If the table is reset, no second UPDATE or DELETE statements are generated.

STAT9016 Versions of NDBSTAT and SQLGEN Natural programs do not match.

The versions of the Natural programs used for the static generation (library SYSSQL) must be the same as one of the dynamically loaded Assembler program NDBSTAT.

STAT9017 *address* **of program** *program* **in library** *library* **not found.**

A Natural object address was not found and the object cannot be modified. Either the object was not found or the address was wrong.

STAT9019 * Warning: Natural terminates abnormally, run may continue. *****

Warning: Natural terminates abnormally with RC=4. A Natural member was explicitly entered which does not exist or does not have SQL access. The static generation can continue.

STAT9020 Start run of SQLGEN for DBRM *dbrm***.**

STAT9021 Start merging temporary datasets.

STAT9022 Precompile input *input* **written to temporary dataset.**

The temporary assembler program for the precompiler input was written to a temporary dataset (Natural work file 6).

STAT9023 * END OF DATA *****

STAT9024 No program with SQL access found.

None of the programs processed by the CMD command accessed an SQL system.

STAT9025 Program *program* in library *library* not found.

STAT9026 DB access module names *module* and *module* do not match.
The module name specified with the CMD CREATE command must be the same as the name of the DBRM specified in the DBRMLIB job card of the precompilation step.

STAT9027 Error *error* purging *program*, *library* in buffer pool. Run continues.

STAT9028 Number of programs to be generated exceeds 999.
The number of programs to be generated statically into one DBRM exceeds the maximum number of 999.

STAT9029 Limit of *limit* NULL indicators per SQL statement exceeded.
The maximum number of 1500 NULL indicators per SQL statement has been exceeded.

STAT9030 Number of variables to be generated exceeds 9999.
The number of variables to be generated statically for one program exceeds the maximum number of 9999.

STAT9031 XREF option NO and Predict DDA default "YES" do not match.
The Predict DDA default setting for static SQL XREF is set to YES but the XREF option in the CMD command is set to NO.

STAT9032 XREF option "FORCE" but no Predict documentation found.
With the XREF option FORCE, the static generation continues and writes XREF data only if Predict documentation exists for a given DBRM. If there is no Predict documentation available, static generation is not performed.

STAT9033 No XREF data exist for member *member*.
Either the Natural program which is to be statically generated cannot be cataloged with XREF=ON or the XREF data are not on the used Predict file.

STAT9034 XREF option "YES" or "NO" but Predict DDA default "FORCE".
The Predict DDA default setting for static SQL XREF is set to FORCE, but the XREF option in the CMD command is set to NO or YES.

STAT9036 Given DBRM library not defined as 3GL Predict application.
The library for the DBRM entered with the LIB option is not defined as 3GL application in Predict. Check the library name in Predict which contains the DBRM.

STAT9039 Library name must not be blank.

STAT9040 CAT or STOW not allowed for library *library*.
The commands CAT or STOW are not allowed in your security environment. However, the CAT or STOW privilege is needed for static generation.

STAT9041 Natural Security restriction. Message code: *message code*

STAT9050 No Predict documentation for specified DBRM found.
No documentation was found in Predict for the DBRM specified with the CMD command. Either the DBRM is not documented in the used Predict file or a wrong DBRM name has been specified.

STAT9062 No Predict installed or SM level less than SM4.

STAT9063 XREF interface not linked. XREF option reset, run continues.

STAT9064 XREF option not set. Predict DDA default *default* taken.
The Predict DDA default setting for static SQL XREF is read, because no XREF option is specified in the CMD command and the XREF interface and Predict are installed.

STAT9065 DBRM name must start with an uppercase character.

STAT9066 No Predict installed or SM level less than SM4, run continues.

STAT9072 DBRM name must not be blank.

STAT9073 Invalid syntax for *parameter/option* specified.

STAT9092 Error occurred. XREF data for DBRM will be deleted.

STAT9093 Error *error* occurred in program *program* on line *line*.

STAT9094 Return code *return code* on call of *program*.

STAT9095 Error in *parameter* parameter on call of *program*.

STAT9096 *program* in library *library* timestamp mismatch.
The program was recataloged during the static generation process. The modify step did not change the program object. Static generation modify step continues with the next program.

151 Messages from the Shared Memory Objects File Server under NDB

- FSSM001E - NATFSSM invalid function code xx 1572
- FSSM002E - Invalid FSSM parameter card found 1573
- FSSM003E - Length of shared memory name wrong 1573
- FSSM004E - Parameter 3, 4, 5 or 6 not lower than 32K 1573
- FSSM005E - Block size not a multiple of 8 1573
- FSSM006E - Definition for xxxxxxxx not found 1573
- FSSM007I - NATFSSM created shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx Number of Directory Entries: nnnnnn Space Map Blocks: nnnnnn Free Space Blocks: nnnnnn ENQUEUE Resource name.....: xxxxxxxx 1574
- FSSM008I - NATFSSM attached to shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx 1574
- FSSM009E - Return code from z/OS service for function xxxxxxxx Reason code yyyyyyyy 1574
- FSSM010E - Total number of user blocks (tttttt) is greater than total number of free blocks (ffffff) 1575
- FSSM011I - NATFSSM detached from shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx 1575
- FSSM012I - NATFSSM deleted shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx 1575

This section lists the information and error messages that may be issued when creating or accessing a Shared Memory Objects File Server (FSSM) under Natural for Db2.

For information on the FSSM, see *File Server – Shared Memory Object* in the *Database Management System Interfaces* documentation.

Unlike Natural system messages, the explanatory long texts to FSSM messages and codes are only available in this document, not online.

FSSM messages are written into the JESMSGLG data set of the job or started task which tries to access a file server shared memory object. A copy of these messages prefixed by the job name and job number is written into the JESMSGLG of the Natural Authorized Services Manager.

Example:

JESMSGLG of CICS:

```
17.05.41 S0405196  FSSM008I NATFSSM attached to Shared Memory for
17.05.41 S0405196           CMFSERV2 at address 00000200_06900000
```

JESMSGLG of Authorized Services Manager SAGAS292:

```
17.05.41 S0306804  ASM0401 SAGAS292: DAEFCIA2 S0405196 FSSM008I NATFSSM attached ↩
to Shared Memory for
17.05.41 S0306804  ASM0401 SAGAS292: DAEFCIA2 S0405196          CMFSERV2 at ↩
address 00000200_06900000
```

Below is information on:

FSSM001E **FSSM004E** **FSSM007I** **FSSM010E**
FSSM002E **FSSM005E** **FSSM008I** **FSSM011I**
FSSM003E **FSSM006E** **FSSM009E** **FSSM012I**

FSSM001E - NATFSSM invalid function code xx

Explanation	The `NATFSSM` module was called with an invalid function code *xx*. Valid function codes are 00, 01, 02, 03 and 04.
Action	Specify a subsystem ID of 1 to 4 characters.

FSSM002E - Invalid FSSM parameter card found

Explanation	The parameter found in the ASMPARM parameter file starting with the characters FSSM is invalid and will be discarded.
Action	Correct the parameter card and restart the Authorized Services Manager. Do not insert blanks into the parameter for FSSM.

FSSM003E - Length of shared memory name wrong

Explanation	The length of the name parameter in the parameter card is wrong. It can be 1 to 8 characters.
Action	Specify a name of up to 8 character name and restart the Authorized Services Manager.

FSSM004E - Parameter 3, 4, 5 or 6 not lower than 32K

Explanation	The value for one of the parameters 3, 4, 5 or 6 has to be between 1 and 32 KB - 1 byte.
Action	Correct the specification of these parameters to a value between 1 and 32 KB - 1 byte. Restart the Authorized Services Manager.

FSSM005E - Block size not a multiple of 8

Explanation	The specified block size (7th parameter) has to be a multiple of 8.
Action	Correct the block size parameter.

FSSM006E - Definition for xxxxxxxx not found

Explanation	A request to create a shared memory object with the identifier *xxxxxxxx* arrived but no definition for *xxxxxxxx* could be found in the ASMPARM parameter file.
Action	Add the definition for *xxxxxxxx* to the ASMPARM parameter file or change the *DDFSERV* subparameter of the Db2 profile parameter (NTDB2 macro) to a name defined in the ASMPARM parameter file.

FSSM007I - NATFSSM created shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx Number of Directory Entries: nnnnnn Space Map Blocks: nnnnnn Free Space Blocks: nnnnnn ENQUEUE Resource name.....: xxxxxxxx

Explanation	The NATFSSM module created a shared memory object with the name *xxxxxxxx* with the virtual address *xxxxxxxx_xxxxxxxx*. The calling address space is also attached to the shared memory object and can read and write to the memory.
Action	None.

FSSM008I - NATFSSM attached to shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx

Explanation	The NATFSSM module attached the calling address space to the shared memory object with the name *xxxxxxxx* with the virtual address *xxxxxx_xxxxxxxx*.
Action	None.

FSSM009E - Return code from z/OS service for function xxxxxxxx Reason code yyyyyyyy

Explanation	The NATFSSM module received the return code *xxxxxxxx* from the *z/OS service* call for the FFSM *function* with the reason code *yyyyyyyy*. For information on the return code *xxxxxxxx* and reason code *yyyyyyyy*, see the z/OS service description provided by IBM. The following *z/OS service* calls are performed by NATFSSM:

IARV64 SHR	IARV64 REQUEST=SHAREMEMOBJ
IARV64 GET	IARV64 REQUEST=GETSHARED
IARV64 DTL	IARV64 REQUEST=DETACH, AFFINITY=LOCAL
IARV64 DTS	IARV64 REQUEST=DETACH, AFFINITY=SYSTEM
IARV64 LIS	IARV64 REQUEST=LIST
IEANTCR PR	IEANTCR (SCOPE=PRIMARY)
IEANTCR SY	IEANTCR (SCOPE=SYSTEM)
IEANTDL PR	IEANTDL (SCOPE=PRIMARY)
IEANTDL SY	IEANTDL (SCOPE=SYSTEM)

	The following functions are provided by NATFSSM:
	ATTACH
	CREATE
	DETACH
	DELETE
	LIST
Action	Contact support.

FSSM010E - Total number of user blocks (tttttt) is greater than total number of free blocks (ffffff)

Explanation	The specified maximum user blocks (6th parameter) is greater than the number of free blocks (2nd parameter minus space map blocks minus directory blocks) in the Shared Memory Objects File Server (FSSM).
Action	Increase the number of blocks (2nd parameter) or decrease the maximum number of user blocks (6th parameter).

FSSM011I - NATFSSM detached from shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx

Explanation	The NATFSSM module detached the calling address space from the shared memory object with the name *xxxxxxxx* with the virtual address *xxxxxx_xxxxxxxx*.
Action	None.

FSSM012I - NATFSSM deleted shared memory for xxxxxxxx at address xxxxxxxx_xxxxxxxx

Explanation	The NATFSSM module deleted the shared memory object with the name *xxxxxxxx* with the virtual address *xxxxxx_xxxxxxxx*.
Action	None.

152 Reason Codes for the Shared Memory Objects File Server under NDB

This section contains the reason codes for Shared Memory Objects File Server (FSSM) requests.

Unlike Natural system messages, the explanatory long texts to reason codes are only available in this document, not online.

These reason codes usually appear in the NAT7393 file server initialization error.

A reason code can be accompanied by an `FSSM`*xxxx* error message. For more information, see ***Messages from the Shared Memory Objects File Server under NDB***.

For information on the FSSM, see *File Server – Shared Memory Object* in the *Database Management System Interfaces* documentation.

The following reason codes can appear:

Decimal	Hexadecimal	Explanation	Action
1000	3E8	Natural Authorized Services Manager is not found.	Start an Authorized Services Manager that is linked to the `NATFSSM` module.
1001	3E9	Natural Authorized Services Manager with linked `NATFSSM` module is not found.	Start an Authorized Services Manager that is linked to the `NATFSSM` module.
1003	3EB	`NDBSMIO` was invoked with an invalid function code.	Contact support.
1004	3EC	Enqueue on `SAGNDBFS` operation failed.	Contact support.
1005	3ED	Dequeue of `SAGNDBFS` operation failed.	Contact support.
2001	7D1	`NATFSSM` was invoked with and invalid function code.	Contact support.

Decimal	Hexadecimal	Explanation	Action
2002	7D2	NATFSSM detected an invalid parameter card.	Correct the parameter card. Do not insert blanks between or within parameters.
2003	7D3	The name of the shared memory object has an invalid length.	Correct the name to a length of 1 to 8 characters.
2004	7D4	A parameter value exceeds 32k-1.	Correct the value of a parameter which exceeds its limit of 32 KB - 1 byte. Parameter values are limited for the number of directory entries, primary allocations, secondary allocations, maximum allocations and block sizes.
2005	7D5	The specified block size of the shared memory object is not a multiple of 8.	Correct the block size of the shared memory object to a multiple of 8.
2006	7D6	NATFSSM could not find a definition for the specified shared memory object.	Define the shared memory object in the ASMPARM parameter file of the Authorized Services Manager.
2010	7DA	The maximum allocation is larger than the number of available blocks.	Increase the number of blocks or decrease the maximum allocation in the shared memory object definition in the ASMPARM parameter file of the Authorized Services Manager, so that the maximum allocation does not exceed the number of available file server blocks.

153 Natural for VSAM Interface Abend Codes

This section lists the abend codes that may be issued by the Natural for VSAM.

Natural for VSAM abend codes are 2-digit numbers preceded by `NV`.

Abend Code	Explanation
Miscellaneous:	
NV01	Unexpected internal error.
NV02	Too many nested groups in view.
NV03	Error in view scan.
NV07	Internal buffer handling error.
NV09	NVS upgrade processing failed for an ESDS file.
NV10	Relocation error.
NV11	Roll-out error.
NV12	System file processing: corrupted variable record, field length is zero.
NV13	Roll-in error.
NV15	Unexpected error for DDM buffer pool handling.
NV16	Unexpected error from Routine `NATSEFA`.
NV18	Unexpected error for `PATH=CHECK` or `RLS=CHECK` processing.
Natural for VSAM Initialization:	
NV20	Unexpected FREEMAIN error.
I/O Module NVSMISC:	
NV30	Invalid I/O request (DCR).
NV31	ENDREQ error.
NV32	RPL active by I/O request.
NV33	FREEMAIN error (physical).
NV34	GENCB/MODCB ACB error.

Abend Code	Explanation
NV35	GENCB/MODCB RPL error.
NV36	SHOWCB error.
NV38	AIX upgrade error for path processing.
NV39	FWA queue full.
NV40	FWA entry not found.
NV41	Internal error (NTOPRB/OPRB).
NV42	Unexpected error for BACKWARD processing.
I/O Module NVSCICS:	
NV60	Internal error (DCRREQCD invalid).
NV61	Internal error (FREEMAIN failed).
NV62	Corrupted exec interface block (EIB).
NV64	Internal error (*NUMBER).
NV65	FWA queue full.
NV66	FWA entry not found.
NV67	Unexpected error for BACKWARD processing.

154 Natural Messaging Abend Codes

This section lists the abend codes that may be issued by the Natural Messaging.

Natural Messaging abend codes are 2-digit numbers preceded by `NQ`.

Abend Code	Explanation
Miscellaneous:	
NQ01	Unexpected internal error.

155 Debug Attach Server

The error messages described here can occur during attached debugging in a z/OS environment.

For error analyses, you can also check the output of the `TRACE` option set with the `DBGAT` profile parameter (see the *Parameter Reference* documentation).

Code	Module	Explanation
NAT1999	NATATDBG	Module for CICS loaded in a non-CICS environment. Ret 12. `RCALIAS=(NATATDBG,NCIAD`*`vrs`*`)` was used in a non-CICS environment. Or: Wrong module loaded in CICS environment. Ret 12. `RCALIAS=(NATATDBG,NCIAD`*`vrs`*`)` was not used in a CICS environment. Or: Physical connection failed. Ret 12. There is either no TCP transport layer available or the TCP/IP listener is missing on the host and port provided in the `DBGAT` parameter. Or: Logical connection failed. Ret 12. The listener on the host and port provided in the `DBGAT` parameter is not an attach debug server.