Natural

Messages and Codes

Version 9.3.4

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ADABAS & NATURAL

This document applies to Natural Version 9.3.4 and all subsequent releases.

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

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Table of Contents

Preface vii
1 About this Documentation 1
Document Conventions 2
Online Information and Support 2
Data Protection 3
2 Natural System Error Messages 0001-0049 5
3 Natural System Error Messages 0050-0099 23
4 Natural System Error Messages 0100-0149 43
5 Natural System Error Messages 0150-0199 59
6 Natural System Error Messages 0200-0249 75
7 Natural System Error Messages 0250-0299 89
8 Natural System Error Messages 0300-0349 109
9 Natural System Error Messages 0350-0399 127
10 Natural System Error Messages 0400-0449 143
11 Natural System Error Messages 0450-0499 159
12 Natural System Error Messages 0600-0649 175
13 Natural System Error Messages 0650-0699 195
14 Natural System Error Messages 0700-0749 209
15 Natural System Error Messages 0750-0799 227
16 Natural System Error Messages 0800-0849 241
17 Natural System Error Messages 0850-0899 257
18 Natural System Error Messages 0900-0949 269
19 Natural System Error Messages 0950-0999 285
20 Natural System Error Messages 1000-1049 301
21 Natural System Error Messages 1050-1099 311
22 Natural System Error Messages 1100-1149 315
23 Natural System Error Messages 1150-1199 333
24 Natural System Error Messages 1200-1249 347
25 Natural System Error Messages 1250-1299 351
26 Natural System Error Messages 1300-1349 353
27 Natural System Error Messages 1350-1399 363
28 Natural System Error Messages 1400-1449 367
29 Natural System Error Messages 1500-1549 369
30 Natural System Error Messages 1550-1599 381
31 Natural System Error Messages 1600-1649 397
32 Natural System Error Messages 1650-1699 401
33 Natural System Error Messages 1700-1749 409
34 Natural System Error Messages 1750-1799 417
35 Natural System Error Messages 1800-1849 425
36 Natural System Error Messages 1900-1949 429
37 Natural System Error Messages 1950-1999 431
38 Natural System Error Messages 2000-2049 433
39 Natural System Error Messages 2050-2099 445

40 Natural System Error Messages 2100-2149 457
41 Natural System Error Messages 2150-2199 469
42 Natural System Error Messages 2200-2249 481
43 Natural System Error Messages 2250-2299 493
44 Natural System Error Messages 2300-2349 505
45 Natural System Error Messages 2350-2399 517
46 Natural System Error Messages 2400-2449 527
47 Natural System Error Messages 2450-2499 541
48 Natural System Error Messages 2500-2549 557
49 Natural System Error Messages 2550-2599 573
50 Natural System Error Messages 2600-2649 591
51 Natural System Error Messages 2650-2699 609
52 Natural System Error Messages 2700-2749 625
53 Natural System Error Messages 2750-2799 641
54 Natural System Error Messages 2800-2849 657
55 Natural System Error Messages 2850-2899 673
56 Natural System Error Messages 2900-2949 689
57 Natural System Error Messages 2950-2999 705
58 Natural System Error Messages 3000-3049 721
59 Natural System Error Messages 3050-3099 733
60 Natural System Error Messages 3100-3149 743
61 Natural System Error Messages 3150-3199 747
62 Natural System Error Messages 3200-3249 753
63 Natural System Error Messages 3250-3299 765
64 Natural System Error Messages 3300-3349 773
65 Natural System Error Messages 3350-3399 777
66 Natural System Error Messages 3400-3449 779
67 Natural System Error Messages 3500-3549 787
68 Natural System Error Messages 3550-3599 793
69 Natural System Error Messages 3600-3649 797
70 Natural System Error Messages 3700-3749 799
71 Natural System Error Messages 4000-4049 803
72 Natural System Error Messages 4050-4099 815
73 Natural System Error Messages 4100-4149 831
74 Natural System Error Messages 4150-4199 841
75 Natural System Error Messages 4200-4249 843
76 Natural System Error Messages 4250-4299 859
77 Natural System Error Messages 4300-4349 871
78 Natural System Error Messages 4350-4399 875
79 Natural System Error Messages 4400-4449 879
80 Natural System Error Messages 4450-4499 893
81 Natural System Error Messages 4500-4549 903
82 Natural System Error Messages 4550-4599 917
83 Natural System Error Messages 4600-4649 919
84 Natural System Error Messages 4650-4699 935

85 Natural System Error Messages 4700-4749 953
86 Natural System Error Messages 4750-4799 969
87 Natural System Error Messages 4800-4849 975
88 Natural System Error Messages 4850-4899 995
89 Natural System Error Messages 4900-4949 1013
90 Natural System Error Messages 4950-4999 1021
91 Natural System Error Messages 5400-5449 1027
92 Natural System Error Messages 5450-5499 1039
93 Natural System Error Messages 5500-5549 1045
94 Natural System Error Messages 5550-5599 1055
95 Natural System Error Messages 5600-5649 1065
96 Natural System Error Messages 5650-5699 1079
97 Natural System Error Messages 5700-5749 1093
98 Natural System Error Messages 5750-5799 1107
99 Natural System Error Messages 5800-5849 1119
100 Natural System Error Messages 5850-5899 1129
101 Natural System Error Messages 5900-5949 1141
102 Natural System Error Messages 5950-5999 1147
103 Natural System Error Messages 6000-6049 1155
104 Natural System Error Messages 6050-6099 1163
105 Natural System Error Messages 6100-6149 1165
106 Natural System Error Messages 6150-6199 1175
107 Natural System Error Messages 6200-6249 1181
108 Natural System Error Messages 6250-6299 1197
109 Natural System Error Messages 6300-6349 1203
110 Natural System Error Messages 6350-6399 1221
111 Natural System Error Messages 6400-6449 1237
112 Natural System Error Messages 6450-6499 1255
113 Natural System Error Messages 6500-6549 1257
114 Natural System Error Messages 6550-6599 1269
115 Natural System Error Messages 6600-6649 1277
116 Natural System Error Messages 6700-6749 1289
117 Natural System Error Messages 6750-6799 1297
118 Natural System Error Messages 6800-6849 1303
119 Natural System Error Messages 6850-6899 1319
120 Natural System Error Messages 6900-6949 1321
121 Natural System Error Messages 6950-6999 1333
122 Natural System Error Messages 7000-7049 1347
123 Natural System Error Messages 7050-7099 1359
124 Natural System Error Messages 7200-7249 1367
125 Natural System Error Messages 7300-7349 1369
126 Natural System Error Messages 7350-7399 1371
127 Natural System Error Messages 7400-7449 1377
128 Natural System Error Messages 7500-7549 1381
129 Natural System Error Messages 7600-7649 1387

130 Natural System Error Messages 7650-7699 1389
131 Natural System Error Messages 7700-7749 1395
132 Natural System Error Messages 7800-7849 1405
133 Natural System Error Messages 7950-7999 1407
134 Natural System Error Messages 8300-8349 1409
135 Natural System Error Messages 8400-8449 1419
136 Natural System Error Messages 9000-9049 1423
137 Natural System Error Messages 9900-9949 1425
138 Natural System Error Messages 9950-9999 1441

Preface

This documentation 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.

Natural System Error Messages 0001-0049
Natural System Error Messages 0050-0099
Natural System Error Messages 0100-0149
Natural System Error Messages 0150-0199
Natural System Error Messages 0200-0249
Natural System Error Messages 0250-0299
Natural System Error Messages 0300-0349
Natural System Error Messages 0350-0399
Natural System Error Messages 0400-0449
Natural System Error Messages 0450-0499
Natural System Error Messages 0600-0649
Natural System Error Messages 0650-0699
Natural System Error Messages 0700-0749
Natural System Error Messages 0750-0799
Natural System Error Messages 0800-0849
Natural System Error Messages 0850-0899
Natural System Error Messages 0900-0949
Natural System Error Messages 0950-0999
Natural System Error Messages 1000-1049
Natural System Error Messages 1050-1099
Natural System Error Messages 1100-1149
Natural System Error Messages 1150-1199
Natural System Error Messages 1200-1249
Natural System Error Messages 1250-1299
Natural System Error Messages 1300-1349
Natural System Error Messages 1350-1399
Natural System Error Messages 1400-1449
Natural System Error Messages 1500-1549
Natural System Error Messages 1550-1599
Natural System Error Messages 1600-1649
Natural System Error Messages 1650-1699

Natural System Error Messages 1700-1749
Natural System Error Messages 1750-1799
Natural System Error Messages 1800-1849
Natural System Error Messages 1900-1949
Natural System Error Messages 1950-1999
Natural System Error Messages 2000-2049
Natural System Error Messages 2050-2099
Natural System Error Messages 2100-2149
Natural System Error Messages 2150-2199
Natural System Error Messages 2200-2249
Natural System Error Messages 2250-2299
Natural System Error Messages 2300-2349
Natural System Error Messages 2350-2399
Natural System Error Messages 2400-2449
Natural System Error Messages 2450-2499
Natural System Error Messages 2500-2549
Natural System Error Messages 2550-2599
Natural System Error Messages 2600-2649
Natural System Error Messages 2650-2699
Natural System Error Messages 2700-2749
Natural System Error Messages 2750-2799
Natural System Error Messages 2800-2849
Natural System Error Messages 2850-2899
Natural System Error Messages 2900-2949
Natural System Error Messages 2950-2999
Natural System Error Messages 3000-3049
Natural System Error Messages 3050-3099
Natural System Error Messages 3100-3149
Natural System Error Messages 3150-3199
Natural System Error Messages 3200-3249
Natural System Error Messages 3250-3299
Natural System Error Messages 3300-3349
Natural System Error Messages 3350-3399
Natural System Error Messages 3400-3449
Natural System Error Messages 3500-3549
Natural System Error Messages 3550-3599
Natural System Error Messages 3600-3649
Natural System Error Messages 3700-3749

Natural System Error Messages 4000-4049
Natural System Error Messages 4050-4099
Natural System Error Messages 4100-4149
Natural System Error Messages 4150-4199
Natural System Error Messages 4200-4249
Natural System Error Messages 4250-4299
Natural System Error Messages 4300-4349
Natural System Error Messages 4350-4399
Natural System Error Messages 4400-4449
Natural System Error Messages 4450-4499
Natural System Error Messages 4500-4549
Natural System Error Messages 4550-4599
Natural System Error Messages 4600-4649
Natural System Error Messages 4650-4699
Natural System Error Messages 4700-4749
Natural System Error Messages 4750-4799
Natural System Error Messages 4800-4849
Natural System Error Messages 4850-4899
Natural System Error Messages 4900-4949
Natural System Error Messages 4950-4999
Natural System Error Messages 5400-5449
Natural System Error Messages 5450-5499
Natural System Error Messages 5500-5549
Natural System Error Messages 5550-5599
Natural System Error Messages 5600-5649
Natural System Error Messages 5650-5699
Natural System Error Messages 5700-5749
Natural System Error Messages 5750-5799
Natural System Error Messages 5800-5849
Natural System Error Messages 5850-5899
Natural System Error Messages 5900-5949
Natural System Error Messages 5950-5999
Natural System Error Messages 6000-6049
Natural System Error Messages 6050-6099
Natural System Error Messages 6100-6149
Natural System Error Messages 6150-6199
Natural System Error Messages 6200-6249
Natural System Error Messages 6250-6299

Natural System Error Messages 6300-6349
Natural System Error Messages 6350-6399
Natural System Error Messages 6400-6449
Natural System Error Messages 6450-6499
Natural System Error Messages 6500-6549
Natural System Error Messages 6550-6599
Natural System Error Messages 6600-6649
Natural System Error Messages 6700-6749
Natural System Error Messages 6750-6799
Natural System Error Messages 6800-6849
Natural System Error Messages 6850-6899
Natural System Error Messages 6900-6949
Natural System Error Messages 6950-6999
Natural System Error Messages 7000-7049
Natural System Error Messages 7050-7099
Natural System Error Messages 7200-7249
Natural System Error Messages 7300-7349
Natural System Error Messages 7350-7399
Natural System Error Messages 7400-7449
Natural System Error Messages 7500-7549
Natural System Error Messages 7600-7649
Natural System Error Messages 7650-7699
Natural System Error Messages 7700-7749
Natural System Error Messages 7800-7849
Natural System Error Messages 7950-7999
Natural System Error Messages 8300-8349
Natural System Error Messages 8400-8449
Natural System Error Messages 9000-9049
Natural System Error Messages 9900-9949
Natural System Error Messages 9950-9999

1 About this Documentation

- Document Conventions 2
- Online Information and Support 2
- Data Protection 3

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

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- 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.

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- 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.

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 in DEFINE DATA statement.

Text	Invalid initial value definition in DEFINE DATA statement.
Explanation	The definition of initial values in the DEFINE DATA statement is invalid. Note in particular that the Natural session parameter DTFORM must correspond to the value definition in the DEFINE DATA statement. For example: DTFORM=U and a D"YYYY-MM-DD" constant would cause an error. Moreover, a numeric initial value must not have more precision or scale digits than defined in the variable. For example: 1 #FLD1 (N2.2) INIT <12.345> causes an error. 1 #FLD2 (N2.2) INIT <123.45> causes an error.
Action	Correct error.

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.

5 Natural System Error Messages 0150-0199

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.
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 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 support 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 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. Therefore, option "TO" can only be used if the underlying database is Adabas Version 7 (or above), VSAM, DL/I or DB2. 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.

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.

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.

13 Natural System Error Messages 0650-0699

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, VARIABLE or 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).

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.

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 mainframe platforms, "@" is the character with the hexadecimal value 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.

NAT0695: User-defined variables not permitted in SELECT list.

Text	User-defined variables not permitted in SELECT list.
Explanation	Each field specified in the SELECT list must be either a column of a table specified in the corresponding FROM clause or a constant; user-defined variables are not permitted.

Action	Correct error in program.

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.

14 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 of class :1: could not be retrieved :2:

Text	The type information of class :1: could not be retrieved :2:
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.

NAT0735: The method or property :1: was not found (DCOM code :2:).

Text	The method or property :1: was not found (DCOM code :2:).
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 :1: was not found.

Text	The method or property :1: 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 named :1: already exists as member :2:.

Text	A class named ... already exists as member ....
Explanation	You have used a class name which already exists in another class module. 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.

15 Natural System Error Messages 0750-0799

NAT0750: ACTION name missing or invalid.

Text	ACTION name missing or invalid.
Explanation	The keyword ACTION of the PROCESS statement is not followed by a valid action name. Valid action names are those that are declared in the ACTION clause of the View Program.
Action	Check and correct ACTION name.

NAT0751: Illegal combination of PROCESS quantifier and access type.

Text	Illegal combination of PROCESS quantifier and access type.
Explanation	The PROCESS quantifier can be ALL, (qty) or missing. Action type can be explicitly given by TYPE attribute. If the TYPE attribute is missing, the action type is implicitly given for the standard actions SELECT, STORE, UPDATE, DELETE. Otherwise the action type defaults to "X". Only the following combinations are valid: | Action Type | Quantifier | Program Type | |X | missing | DEFINE SERVER/DEFINE VIEW | |A | ALL, (Qty) | DEFINE VIEW | |M,O | missing | DEFINE VIEW |

Action	Check and correct program.

NAT0752: Invalid TYPE/DEST specification.

Text	Invalid TYPE/DEST specification.
Explanation	The TYPE/DEST specification is incorrect because: - the given TYPE is not one of A (Access), M (Modify), O (Output) X (eXchange); or - the given DEST is not one of LOCAL, NET, DEBUG; or - neither TYPE nor DEST is given inside the brackets of the TYPE/DEST specification; or - DEST is given in front of TYPE; or - TYPE or DEST not followed by "="; or - the closing bracket is missing.
Action	Correct TYPE/DEST specification.

NAT0753: WHERE/ORDER BY clause only allowed for action type Access

Text	WHERE/ORDER BY clause only allowed for action type Access
Explanation	The WHERE clause and the ORDER BY clause of a PROCESS statement accessing an Active View require action type Access. This may be implicitly given by the standared action SELECT or explicitly given by the type specification TYPE=A.
Action	Check and correct program.

NAT0754: Invalid search variable specified in WHERE clause.

Text	Invalid search variable specified in WHERE clause.

Explanation	A search variable denoted in the WHERE clause of a PROCESS statement is not defined in the view referred to by the PROCESS statement, or the search variable is used in combination with a local block field that has been mapped to another view field via a JOIN VALUE clause.
Action	Check and correct program.

NAT0755: Nested PROCESS loops refer to the same view.

Text	Nested PROCESS loops refer to the same view.
Explanation	There are two nested PROCESS loops in the program which refer to the same Natural view. This is not possible because each view corresponds to an instance of an Active View and each instance can only maintain one loop context.
Action	Use a copy of the view for the innermost loop.

NAT0756: Illegal PROCESS statement against a native database.

Text	Illegal PROCESS statement against a native database.
Explanation	PROCESS with action type M, O or X refers to a native database view; or a program other than a View Program contains a PROCESS statement referring to a native database view; or a PROCESS statement referring to a native database view is closed by an END-PROCESS.
Action	Check and correct program.

NAT0757: PROCESS with action type Modify without Access loop.

Text	PROCESS with action type Modify without surrounding Access loop.
Explanation	An update against an Active View via PROCESS needs a surrounding loop much like the Natural statement UPDATE does. The surrounding PROCESS loop must refer to the same Natural view as the PROCESS statement for update.
Action	Make sure there is a surrounding loop.

NAT0758: Error in ORDER BY clause.

Text	Error in ORDER BY clause.
Explanation	The ORDER BY clause is invalid because: - it appears in front of the WHERE clause; or - the given sort field is not a field of the view referred to by the PROCESS statement; or - there are more than three sort fields.
Action	Check and correct program.

NAT0759: Handle/dynamic variables and X-arrays cannot be redefined.

Text	Handle/dynamic variables and X-arrays cannot be redefined.
Explanation	A variable declared - with type HANDLE, - as an alphan. or binary field with a dynamic length, - as an array with a variable number of occurrences DEFINE DATA LOCAL 1 #H HANDLE OF OBJECT 1 #AD (A) DYNAMIC 1 #VA (A10/1:*) 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.

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.

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.

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.

NAT0781: Internal Natural DB2 error.

Text	Internal Natural DB2 error.
Action	Provide the Natural source and object program and contact technical 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 technical 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 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 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 DB2 needs a primary key for UPDATE or DELETE if the loop contains a terminal statement.
Action	Change program according the Natural 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: N (numeric unpacked) I1 (integer with length of 1) L (logical) D (date) T (time)
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.

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.

16 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.
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.

17 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 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.

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 mainframes) 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 mainframes, increase the size of the profile parameter ESIZE. In general, contact your Natural administrator.

NAT0887: Internal stack overflow.

Text	Internal stack overflow.
Explanation	Excessive program recursion has caused an internal overflow of the program-storage stack during program execution.
Action	Reduce the number of nested subroutines; or contact your Natural administrator.

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.

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.

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.

18 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 ask your Natural administrator to review the USIZE parameter value.

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: Storage overflow while creating format buffers.

Text	Storage overflow while creating format buffers.
Explanation	An overflow condition has occurred in the buffer used to store format buffers which define the fields to be read from the database.
Action	Reduce the number of files or number of fields referenced from the database, reduce the program size, or ask your Natural administrator if the USIZE parameter value can be increased.

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 Mainframes: 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.

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: :1: incompatible to mainframe version :2: (see :3:).

Text	... incompatible to mainframe version ... (see ...).
Explanation	The statement/keyword used is not compatible with the corresponding mainframe version of Natural. You can avoid this error by setting the compatibility switch referred to in the error message (e.g., the profile parameter V41MFCOMP=ON/OFF).
Action	Use only compatible statements/keywords, or switch off the compatibility switch.

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 used.

Text	Too many parameters used.

Explanation	For some statements, the number of parameters which can be specified is limited. For example, there is a limit for the CALL statement and the system functions *MINVAL and *MAXVAL.
Action	Reduce the number of parameters.

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 a mainframe platform, you may use the profile parameter RECAT=ON. RECAT=ON is not possible 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 a mainframe platform, you may consider setting the profile parameter RECAT=ON.

NAT0934: GDA conflict :1: active :2: structure :3:.

Text	GDA conflict ... active ... structure ... .
Explanation	There are two reasons for this error: a) GDA names differ: A Natural object attempted to use a GDA which is different from the one already in use. This is allowed only for CALLNAT and FETCH. b) GDA names are identical: A Natural object attempted to use block(s) in a GDA in a way which conflicts with the blocks already in use.
Action	Compare GDA usage in the object which was being called with the object which created the current structure of the active GDA. The structure creation object is shown behind the word "structure".

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.

19 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.

20 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 value 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, 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.

21 Natural System Error Messages 1050-1099

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.

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.

22 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 in the Natural session parameter MP, has been exceeded.
Action	Increase the value for the MP parameter, or reduce the number of pages produced.

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) not supported.

Text	PROCESS PAGE (MODAL) not supported.
Explanation	The execution of a PROCESS PAGE (MODAL) statement is only supported when Natural is running as a Rich GUI server.
Action	Purchase/install/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.

23 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.

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.

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.

24 Natural System Error Messages 1200-1249

NAT1200: I/O error during external sort.

Text	I/O error during external sort.
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 program as load libraries.
Action	Check if SORTNAM in the Configuration utility or dynamic parameters contain a valid sort-program name and that the load library available to Natural contains that module.

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.

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 or sort work files (if present).

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.

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.

25 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.

26 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.

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.

27 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.

28 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.

29 Natural System Error Messages 1500-1549

NAT1500: Open for work file :1: failed.

Text	Open for work file ... failed. Possible reasons: - The file does not exist (READ WORK).
Explanation	- An existing file cannot be accessed because the user does not have access (read/write) privileges for the file. - The file cannot be created because the user does not have privileges to write to the directory (WRITE WORK). - The file cannot be created because either the file system is full or the list of files of the file system is full (inodes list). - The user does not have privileges to access one of the directories in the path leading to the file. - One of the directories in the path leading to the file does not exist. - There is a network error, the file server, the name server, etc. does not respond or is not active. - Entire Connection data transfer not implemented in Natural for Windows - Several operating-system specific reasons. See your operating-system documentation for more information.
Action	- While trying to write to an Entire Connection file (.NCD file), the maximum field length of 255 was exceeded. 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 work file :1:.

Text	Permanent physical I/O error for work file ....
Explanation	The work file cannot be processed because of permanent I/O errors. A possible reason is a physical damage to the file.
Action	Contact your Natural administrator.

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 output work file :1: is full.

Text	The output work file ... is full.
Explanation	The space allocated for an output work 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 work file.

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.

NAT1510: Record too small for :1: file :2:.

Text	Record too small for ... file ....
Explanation	For z/VSE systems, this message indicates that the WLRERR exit was entered for a reader using DTFDI or a work file using DTFMT or DTFSD. 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 work file :1:.

Text	Error occurred when closing work file ....
Action	Contact your Natural administrator.

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 :1: for report :2:.

Text	Invalid device type ... for report ....

Explanation	The device type for a report specified as output is invalid.
Action	Correct the Device/Report assignments in the Natural parameter settings or the output specification in the DEFINE PRINTER statement.

NAT1520: Device or logical printer :1: not available.

Text	Device or logical printer ... not available.
Explanation	The device used to process a work file has not been assigned to the Natural program.
Action	Check JCL and correct error, or contact your Natural administrator.

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.

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: Data transfer to/from Entire Connection failed.

Text	Data transfer to/from Entire Connection failed.
Explanation	- Writing output to the additional report TRANSFER requires Entire Connection protocol mode TCP/IP. - Entire Connection data transfer is not implemented in Natural for Windows.
Action	Set profile parameter ECPMOD to "ON" (the TCP/IP protocol is used).

NAT1532: Record length must not exceed 32 KB.

Text	Record length must not exceed 32 KB.
Explanation	The length of a record read/written with a READ/WRITE WORK FILE statement must not exceed 32 KB.
Action	Check program and correct 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.

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.

30 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.

NAT1555: :1: occurred during work- or print file access.

Text	DMS error DXXX occurred during work- or print file access.
Action	Check file command settings for work- or print file.

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.

NAT1572: Logical printer profile :1: not found on spool file.

Text	Logical printer profile ... not found on spool file.
Explanation	When using RSO direct support for printing, NAF reads the corresponding LPF from the spool file. During CLOSE processing, this LPF could not be read, either because it did not exist or because an Adabas error occurred.
Action	Check why the LPF could not be read.

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.

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. If NAFBS2FC is missing, check for the presence of module NAFSERVR.

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 open or write to Natural spool file.

Text	Unable to open or write to Natural spool file.
Explanation	Printing was not successful for one of the following reasons: - the temporary file cannot be opened or created; - not enough memory is available; - printer initialization was not successful.
Action	Check the temporary file path TMPPATH in the Natural.INI file. If printing directly to a file, please check that the file name is correctly set, and that the specified path (if any) exists.

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: Unable to submit print job for printer :1:.

Text	Unable to submit print job for printer ....
Explanation	The print job could not be submitted for one of the following reasons: - The printer name is unknown. - The printer initialization was not successful.
Action	Check your physical printer settings in the Configuration utility to verify the actual printer name.

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.

NAT1590: NATSPOOL: Getmain for RSO buffer failed.

Text	NATSPOOL: Getmain for RSO buffer failed.
Explanation	To support RSO directly, Natural Advanced Facilities needs a buffer with a size of approximately 3700 bytes. This buffer could not be allocated.
Action	Please check your installation.

NAT1591: NATSPOOL: WRLST macro failed using RSO support.

Text	NATSPOOL: WRLST macro failed using RSO support.
Explanation	Reports to be created using the RSO support of Natural Advanced Facilities are written to a BS2000 *SYSLST dataset. Execution of the WRLST macro failed.
Action	Please switch on protocol and check for any errors.

NAT1592: NATSPOOL: PRNT macro failed using RSO support.

Text	NATSPOOL: PRNT macro failed using RSO support.
Explanation	Reports closed for printout are spooled to RSO using the PRNT macro. Execution of this macro failed.
Action	Please switch on protocol and check for any errors.

NAT1593: NATSPOOL: Invalid printer no. for RSO support (internal).

Text	NATSPOOL: Invalid printer no. for RSO support (internal).
Explanation	The internal printer number given to module NAFRSO was invalid.
Action	Please check assembly of NAFRSO and take dump.

NAT1594: NATSPOOL: Invalid func. code for RSO support (internal).

Text	NATSPOOL: Invalid func. code for RSO support (internal).
Explanation	The module to handle the RSO direct support was called using an incorrect internal function code.
Action	Please check assembly of NAFRSO and take dump.

NAT1595: NATSPOOL: No device name found for RSO support (internal)

Text	NATSPOOL: No device name found for RSO support (internal)
Explanation	The module to handle the RSO direct support was called without setting a device name.
Action	Please check assembly of NAFRSO and take dump.

NAT1596: NATSPOOL: Allocate SYSLST failed for RSO support.

Text	NATSPOOL: Allocate SYSLST failed for RSO support.

Explanation	The allocation of the *SYSLST dataset failed.
Action	Please switch on protocl and check for any errors.

NAT1597: NATSPOOL: Line starts with invalid control character.

Text	NATSPOOL: Line starts with invalid control character.
Explanation	One or more lines of the report spooled by RSO direct support do not contain a valid control character (line feed, form feed, etc.)
Action	Please check program.

NAT1598: NATSPOOL: Release SYSLST failed for RSO support.

Text	NATSPOOL: Release SYSLST failed for RSO support.
Explanation	Resetting the *SYSLST allocation to the primary one has failed.
Action	Please switch on protocol and check for any errors.

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.

31 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.

32 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.

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.

NAT1688: User is temporarily locked, try again after :1:.

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.

33 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.

NAT1710: Error opening source window.

Text	Error opening source window.
Explanation	The dialog source window could not be opened.

NAT1711: Invalid dialog element name :1:.

Text	Invalid dialog element name :1:.
Explanation	The specified dialog element name is either syntactically invalid or undefined.

NAT1712: Invalid index for dialog element.

Text	Invalid index for dialog element.
Explanation	The index specified for this dialog element is either syntactically incorrect or out of range.

NAT1713: Control :1: not found.

Text	Control :1: not found.
Explanation	The specified control name is undefined at this point in the dialog.

NAT1714: Invalid OLE control property :1:.

Text	Invalid OLE control property :1:.
Explanation	The specified property is not appropriate for this control.

NAT1715: This dialog cannot be saved in non-enhanced format.

Text	This dialog cannot be saved in non-enhanced format.

Explanation	This dialog uses features which require the enhanced source format, for example custom controls.
Action	To save the dialog with these features, select the enhanced format in the Save As dialog box.

NAT1716: Invalid event name :1:.

Text	Invalid event name :1:.
Explanation	The specified event name is either syntactically invalid or undefined for this dialog element.

NAT1717: Failure creating control :1:.

Text	Failure creating control :1:.
Explanation	The indicated control could not be created. If this error occurs when inserting an ActiveX control into a dialog in the dialog editor, a common reason for this failure is that there is no development license available for the ActiveX control on this machine. A development license is usually available from the vendor of the ActiveX control.
Action	Please check if the ActiveX control is correctly installed and registered. Also check if you have a development license or only a runtime license for the ActiveX control.

NAT1718: Incomplete code section.

Text	Incomplete code section.
Explanation	A user-code section is not terminated as defined in the dialog source syntax.

NAT1719: Operation cancelled by user.

Text	Operation cancelled by user.
Explanation	The operation was not completed because the user cancelled it.

NAT1720: Invalid object type.

Text	Invalid object type.
Explanation	It is not possible to emded this type of object.
Action	Please choose a created embedded object (i.e. *.neo).

NAT1721: Error in dialog source at line :1:, column :2:: :3:

Text	Error in dialog source at line :1:, column :2:: :3:
Explanation	The dialog editor has detected the Natural error with text :3: in the dialog source at the line :1:, column :2:.
Action	Correct the source.

34 Natural System Error Messages 1750-1799

NAT1750: An unknown preprocessor directive has been encountered.

Text	An unknown preprocessor directive has been encountered.
Explanation	The Natural Preprocessor encountered a source line which appears to be a directive, but has an invalid directive keyword.

NAT1751: Argument(s) to a preprocessor directive are missing or invalid.

Text	Argument(s) to a preprocessor directive are missing or invalid.
Explanation	The Natural Preprocessor encountered a source line which is a directive, but one of the mandatory arguments is missing or has an invalid format o value.

NAT1752: The directives "if","else", or "end-if" do not properly match up.

Text	The preprocessor directives "if", "else", or "end-if" do not properly match up.

Explanation	The Natural Preprocessor encountered a source line which is one of the conditional directives "else" of "end-if", but the corresponding "if" directive is missing, or the end of the source while an "end-if" directive is missing.

NAT1753: The requested preprocessor function is unknown.

Text	The requested preprocessor function is unknown.
Explanation	A Natural Preprocessor function was called with an invalid subfunction number.

NAT1754: A preprocessor fct argument is missing or has an invalid format.

Text	A preprocessor fct argument is missing or has an invalid format.
Explanation	A Natural Preprocessor function was called with one of the mandatory arguments missing or with an invalid format.

NAT1755: An argument to a preprocessor function has an invalid value.

Text	An argument to a preprocessor function has an invalid value.

NAT1756: The specified preprocessor memory buffer already exists.

Text	The specified preprocessor memory buffer already exists.
Explanation	An attempt was made to create a Natural Preprocessor memory buffer with a number which is already in use by another memory buffer.

NAT1757: The specified preprocessor memory buffer does not exist.

Text	The specified preprocessor memory buffer does not exist.
Explanation	An attempt was made to reference a Natural Preprocessor memory buffer with a number which does not exist.

NAT1770: Too many search keys were selected. Additional keys ignored.

Text	Too many search keys were selected. Additional keys ignored.
Explanation	SQL only: Only five search keys can be selected. Initially all elementary fields are in the search key list. The user has to select the search keys from the list.

NAT1771: No search key has been selected.

Text	No search key has been selected.
Explanation	SQL only: All fields have been removed from the search key list.

NAT1772: Creation of object view :1: failed. Error :2:.

Text	Creation of object view :1: failed. Error :2:.
Explanation	An internal error occurred while creating the object view :1:.

NAT1773: Object view info module :1: is not valid. Error :2:.

Text	Object view info module :1: is not valid. Error :2:.
Explanation	An internal error has occurred while accessing the object view info module :1:.

NAT1774: Version of object view info :1: is not valid.

Text	Version of object view info :1: is not valid.
Explanation	It is not possible to read the object view info module with the current version of Natural.
Action	Recreate the object view.

NAT1775: Object view name :1: already used in info module :2:.

Text	Object view name :1: already used in info module :2:.
Explanation	An object view"s name must be unique.
Action	Change the object view name or the info module"s name so that there is a one-to-one correspondence between object view name and info module name.

NAT1776: SQL table name is required.

Text	SQL table name is required.

Explanation	An SQL table name is necessary for this function.

NAT1777: No object view selected.

Text	No object view selected.
Explanation	An object view is necessary for the selected frame.
Action	Create a new object view if none exists.

NAT1778: A value <= 0 has been entered for the parameter "max. objects".

Text	A value <= 0 has been entered for the parameter "max. objects".
Explanation	Only values > 0 are allowed for this parameter.

NAT1779: Module :1: already exists in another object view.

Text	Module :1: already exists in another object view.
Explanation	One or more modules exist in another object view. All module names listed in object view info modules must be unique.
Action	Change the module name(s) and/or the info module name so that the list of module names is unique for the object view.

NAT1780: Object view :1: does not exist.

Text	Object view :1: does not exist.
Explanation	The object view name which has been entered does not exist in one of the available libraries.
Action	Select one of the existing object views.

NAT1781: DDM :1: does not contain descriptor fields.

Text	DDM :1: does not contain descriptor fields.
Explanation	It is not possible to define an object view based on a DDM which does not contain at least one descriptor field. Reason: the object view needs a search key which has to be a descriptor field.
Action	Change the DDM definition or use another DDM.

NAT1782: DDM contains superdescriptors without descriptor information.

Text	DDM contains superdescriptors without descriptor information.
Explanation	The DDM contains superdescriptors without descriptor information. These superdescriptors are not available as search keys. The descriptor information is needed to get the component fields of the superdescriptor.
Action	Use a DDM which contains the descriptor information for superdescriptors.

NAT1783: Object view name is not unique.

Text	Object view name is not unique.
Explanation	The object view contains a field which has the same name as the object view.
Action	Change the object view name.

NAT1790: A generated dialog was executed without the application shell.

Text	A generated dialog was executed without the application shell.
Explanation	The dialog was generated with the frame gallery and requires the application shell to execute.
Action	Start the dialog after starting the application shell.

35 Natural System Error Messages 1800-1849

NAT1800: Parameter mismatch in PROCESS GUI statement.

Text	Parameter mismatch in PROCESS GUI statement.
Explanation	The number of parameters specified in a PROCESS GUI statement does not match the expected number.
Action	Check program syntax against documentation syntax. In most cases, the specified action requires more parameters than expected.

NAT1801: The maximum number of CLIENT-KEY values was exceeded.

Text	The maximum number of CLIENT-KEY values was exceeded.
Explanation	Only a limited number of values are allowed for the attribute CLIENT-KEY.
Action	Reuse CLIENT-KEY values which are not needed.

NAT1802: Invalid value specified for attribute COLUMN-TYPE.

Text	Invalid value specified for attribute COLUMN-TYPE.
Explanation	An invalid value was specified for the attribute COLUMN-TYPE of a table control. This attribute specifies the type of column to be used in a column specification control. For example, INPUTFIELD, SELECTIONBOX.
Action	Valid column types are: INPUTFIELD, SELECTIONBOX, TEXTCONSTANT, TOGGLEBUTTON.

NAT1803: Table field not found.

Text	Table field not found.
Explanation	The PROCESS-GUI-statement action TABLE-FIND-FIELD failed because the field title passed was not present in the table.
Action	Check the passed field title against existing field titles.

NAT1804: Invalid row/column range specified in PROCESS GUI statement.

Text	Invalid row/column range specified in PROCESS GUI statement.
Explanation	The row/column range specified in the PROCESS GUI statement for a table control is invalid. The row or column number specified exceeds the current table size.
Action	Use attribute ROW-COUNT and/or COLUMN-COUNT to check the current size of the table.

NAT1805: No selection is active in table control.

Text	No selection is active in table control.
Explanation	A PROCESS-GUI-statement action was performed to inquire the current selection in a table control, but no selection was active.

NAT1806: PROCESS-GUI-statement action failed.

Text	PROCESS-GUI-statement action failed.
Explanation	The PROCESS-GUI-statement action was not completed successfully either because the parameters passed were invalid or because the windowing system could not process the function.
Action	Check parameters.

NAT1807: File not found.

Text	File not found.
Explanation	The specified file was expected in the path specified by the environment variable NATGUIBMP, but it was not found.
Action	Check whether the file name is misspelled or whether the file is located in a directory other than NATGUIBMP.

NAT1808: Edit area overflow.

Text	Edit area overflow.

Explanation	It is not possible to insert any more characters or lines into an edit area. The number of characters which can be entered into an edit area is approximately 64 KB under Windows 95/98/Me and approximately 4 GB under Windows NT and Windows 2000. This error also occurs when attempting to insert a new line beyond the end of the edit area window, if the edit area is not autoscrollable (i.e., neither has a vertical scroll bar nor is explicitly marked as autoscrollable).
Action	Reduce the text written to the edit area, or (if the edit area does not have a vertical scroll bar) set the "autoscroll" style.

36 Natural System Error Messages 1900-1949

NAT1910: Could not save Natural/HA session. Reason code :1:.

Text	Could not save Natural/HA session. Reason code ....
Explanation	The state of a Natural server session running in high-availability (HA) mode could not be saved prior to termination of the hosting process during terminal I/O.
Action	Retry failed operation in web browser. If problem persists, refer to product documentation for interpretation of displayed reason code and suggested further action.

NAT1911: Could not restore Natural/HA session. Reason code :1:.

Text	Could not restore Natural/HA session. Reason code ....
Explanation	The state of a Natural server session running in high-availability (HA) mode could not be restored into the hosting process while being resumed after terminal I/O.

Action	Retry failed operation in web browser. If problem persists, refer to product documentation for interpretation of displayed reason code and suggested further action.

NAT1912: Could not delete saved Natural/HA session. Reason code :1:.

Text	Could not delete saved Natural/HA session. Reason code ....
Explanation	The previously-saved state of a Natural server session running in high-availability (HA) mode could not be deleted on termination of the associated client user session.
Action	Check your state server configuration and availability. Usually no explicit action needs to be taken. Saved server session states will be implicitly deleted after their expiration time has been reached.

37 Natural System Error Messages 1950-1999

NAT1999: :1:.

Text	....
Explanation	Error ... has occurred.

38 Natural System Error Messages 2000-2049

NAT2000: Invalid option selection.

Text	Invalid option selection.
Action	Check program and correct error.

NAT2001: User ID required.

Text	User ID required.
Explanation	Check program and correct error.

NAT2002: Please enter name of public library.

Text	Please enter name of public library.
Explanation	Check program and correct error.

NAT2003: Public library not found.

Text	Public library not found.
Explanation	Check program and correct error.

NAT2004: Function not allowed for public library.

Text	Function not allowed for public library.
Explanation	Check program and correct error.

NAT2005: Function invalid.

Text	Function invalid.
Explanation	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.

NAT2008: Invalid command.

Text	Invalid command.

Explanation	Check program and correct error

NAT2009: Name must not be changed when copying into public library.

Text	Name must not be changed when copying into public library.
Explanation	Check program and correct error.

NAT2010: Transaction not found.

Text	Transaction not found.
Explanation	Check program and correct error.

NAT2011: Transaction ID required.

Text	Transaction ID required.
Explanation	Check program and correct error.

NAT2012: TRANSACTION IS CORRUPT

Text	TRANSACTION IS CORRUPT
Explanation	Check program and correct error

NAT2013: Transaction created under an incompatible version.

Text	Transaction created under an incompatible version.
Explanation	Check program and correct error.

NAT2014: Transaction has errors and cannot be run.

Text	Transaction has errors and cannot be run.
Explanation	Check program and correct error.

NAT2015: Transaction already present.

Text	Transaction already present.
Explanation	Check program and correct error.

NAT2016: You are not authorized to use DISPLAY inquiries.

Text	You are not authorized to use DISPLAY inquiries.
Explanation	Check program and correct error.

NAT2017: You are not authorized to use TABULAR inquiries.

Text	You are not authorized to use TABULAR inquiries.

Explanation	Check program and correct error.

NAT2018: You are not authorized to use WORK-FILE/PC inquiries.

Text	You are not authorized to use WORK-FILE/PC inquiries.
Explanation	Check program and correct error.

NAT2019: JCL-ID may not exceed 8 characters.

Text	JCL-ID may not exceed 8 characters.
Explanation	Check program and correct error.

NAT2020: You are not authorized to use GRAPHICS(PGF) inquiries.

Text	You are not authorized to use GRAPHICS(PGF) inquiries.
Explanation	Check program and correct error.

NAT2021: You are not authorized to use GRAPHICS(ICU) inquiries.

Text	You are not authorized to use GRAPHICS(ICU) inquiries.
Explanation	Check program and correct error.

NAT2022: You are not authorized to run ON-LINE inquiries.

Text	You are not authorized to run ON-LINE inquiries.
Explanation	Check program and correct error.

NAT2023: You are not authorized to run BATCH transactions.

Text	You are not authorized to run BATCH transactions.
Explanation	Check program and correct error.

NAT2024: You are not authorized to run EDIT transactions.

Text	You are not authorized to run EDIT transactions.
Explanation	Check program and correct error.

NAT2025: You are not authorized to run PRINTER transactions.

Text	You are not authorized to run PRINTER transactions.
Explanation	Check program and correct error.

NAT2026: You are not authorized to submit BATCH transactions.

Text	You are not authorized to submit BATCH transactions.

Explanation	Check program and correct error.

NAT2027: Transaction number required.

Text	Transaction number required.
Explanation	Check program and correct error.

NAT2028: Invalid number.

Text	Invalid number.
Explanation	Check program and correct error.

NAT2029: If ACCEPT/REJECT used, no further action allowed.

Text	If ACCEPT/REJECT used, no further action allowed.
Explanation	Check program and correct error.

NAT2030: Please enter primary file number.

Text	Please enter primary file number.
Explanation	Check program and correct error.

NAT2031: Primary and secondary file must not be the same.

Text	Primary and secondary file must not be the same.
Explanation	Check program and correct error.

NAT2032: Superfile - may not be selected with another.

Text	Superfile - may not be selected with another.
Explanation	Check program and correct error.

NAT2033: File number missing or invalid.

Text	File number missing or invalid.
Explanation	Check program and correct error.

NAT2034: File number not in valid range.

Text	File number not in valid range.
Explanation	Check program and correct error.

NAT2035: This file is not defined.

Text	This file is not defined.

Explanation	Check program and correct error.

NAT2036: You are not authorized to access this file.

Text	You are not authorized to access this file.
Explanation	Check program and correct error.

NAT2037: File is not a superfile.

Text	File is not a superfile.
Explanation	Check program and correct error.

NAT2038: File is a superfile.

Text	File is a superfile.
Explanation	Check program and correct error.

NAT2039: Invalid format combination.

Text	Invalid format combination.
Explanation	Check program and correct error.

NAT2040: Invalid - mark only one field.

Text	Invalid - mark only one field.
Explanation	Check program and correct error.

NAT2041: Link field must be entered.

Text	Link field must be entered.
Explanation	Check program and correct error.

NAT2042: Start position outside primary link field.

Text	Start position outside primary link field.
Explanation	Check program and correct error.

NAT2043: End position outside primary link field.

Text	End position outside primary link field.
Explanation	Check program and correct error.

NAT2044: End position before start position is invalid.

Text	End position before start position is invalid.

Explanation	Check program and correct error.

NAT2045: Invalid processing sequence characters.

Text	Invalid processing sequence characters.
Explanation	Check program and correct error.

NAT2046: No selection criteria input.

Text	No selection criteria input.
Explanation	Check program and correct error.

NAT2047: Selection criteria not completed.

Text	Selection criteria not completed.
Explanation	Check program and correct error.

NAT2048: Field name or reference invalid.

Text	Field name or reference invalid.
Explanation	Check program and correct error.

NAT2049: Sequential READ only on key fields.

Text	Sequential READ only on key fields.
Explanation	Check program and correct error.

39 Natural System Error Messages 2050-2099

NAT2050: Operator missing/invalid.

Text	Operator missing/invalid.
Explanation	Check program and correct error.

NAT2051: Invalid numeric value.

Text	Invalid numeric value.
Explanation	Check program and correct error.

NAT2052: Too many characters in value.

Text	Too many characters in value.
Explanation	Check program and correct error.

NAT2053: Invalid THRU syntax.

Text	Invalid THRU syntax.
Explanation	Check program and correct error.

NAT2054: Logical operator not AND or OR.

Text	Logical operator not AND or OR.
Explanation	Check program and correct error.

NAT2055: Unmatched right parenthesis.

Text	Unmatched right parenthesis.
Explanation	Check program and correct error.

NAT2056: Right parenthesis missing.

Text	Right parenthesis missing.
Explanation	Check program and correct error.

NAT2057: Group field invalid in selection.

Text	Group field invalid in selection.

Explanation	Check program and correct error.

NAT2058: Invalid fields in non-key criterion.

Text	Invalid fields in non-key criterion.
Explanation	Check program and correct error.

NAT2059: Invalid use of super/sub/phonetic key.

Text	Invalid use of super/sub/phonetic key.
Explanation	Check program and correct error.

NAT2060: Invalid use of multiple-value or periodic-group field.

Text	Invalid use of multiple-value or periodic-group field.
Explanation	Check program and correct error.

NAT2061: MORE must be Y or N.

Text	MORE must be Y or N.
Explanation	Check program and correct error.

NAT2062: Whole file must be read - not permitted.

Text	Whole file must be read - not permitted.
Explanation	Check program and correct error.

NAT2063: Field type not allowed in selection.

Text	Field type not allowed in selection.
Explanation	Check program and correct error.

NAT2064: Maximum number of conditions exceeded.

Text	Maximum number of conditions exceeded.
Explanation	Check program and correct error.

NAT2065: Non-key conditions are not permitted.

Text	Non-key conditions are not permitted.
Explanation	Check program and correct error.

NAT2066: ST not allowed for numeric fields.

Text	ST not allowed for numeric fields.

Explanation	Check program and correct error.

NAT2067: Further criteria not allowed with ALL.

Text	Further criteria not allowed with ALL.
Explanation	Check program and correct error.

NAT2068: Index not allowed.

Text	Index not allowed.
Explanation	Check program and correct error.

NAT2069: Invalid index value.

Text	Invalid index value.
Explanation	Check program and correct error.

NAT2070: Sub-conditions must be on same file.

Text	Sub-conditions must be on same file.
Explanation	Check program and correct error.

NAT2071: Too many levels of parentheses.

Text	Too many levels of parentheses.
Explanation	Check program and correct error.

NAT2072: Invalid MASK/SCAN value.

Text	Invalid MASK/SCAN value.
Explanation	Check program and correct error.

NAT2073: Result field name/reference invalid.

Text	Result field name/reference invalid.
Explanation	Check program and correct error.

NAT2074: Calculation not completed.

Text	Calculation not completed.
Explanation	Check program and correct error.

NAT2075: "=" operator missing.

Text	"=" operator missing.

Explanation	Check program and correct error.

NAT2076: Invalid alphanumeric constant.

Text	Invalid alphanumeric constant.
Explanation	Check program and correct error.

NAT2077: Group field may not be used.

Text	Group field may not be used.
Explanation	A reason for this error message my be: - SET/GET of property arrays require, that the values of all array elements are available in contiguous order. Group arrays do not fulfil this requirement in any case.
Action	Check program and correct error.

NAT2078: Super/sub/phonetic key may not be used.

Text	Super/sub/phonetic key may not be used.
Explanation	Check program and correct error.

NAT2079: Second index must be greater than first.

Text	Second index must be greater than first.

Explanation	Check program and correct error.

NAT2080: Operator not allowed with alpha fields.

Text	Operator not allowed with alpha fields.
Explanation	Check program and correct error.

NAT2081: Constant is too long.

Text	Constant is too long.
Explanation	Check program and correct error.

NAT2082: Field is too long.

Text	Field is too long.
Explanation	Check program and correct error.

NAT2083: Summation not allowed for alphanumeric fields.

Text	Summation not allowed for alphanumeric fields.
Explanation	Check program and correct error.

NAT2084: Invalid display number.

Text	Invalid display number.
Explanation	Check program and correct error.

NAT2085: Control/sort level already used.

Text	Control/sort level already used.
Explanation	Check program and correct error.

NAT2086: Field may not be a text field.

Text	Field may not be a text field.
Explanation	Check program and correct error.

NAT2087: Number already used for a display field.

Text	Number already used for a display field.
Explanation	Check program and correct error.

NAT2088: Invalid field function.

Text	Invalid field function.

Explanation	Check program and correct error.

NAT2089: May not be a control/sort field.

Text	May not be a control/sort field.
Explanation	Check program and correct error.

NAT2090: Field is not numeric.

Text	Field is not numeric.
Explanation	Check program and correct error.

NAT2091: "=" field already given for calculation.

Text	"=" field already given for calculation.
Explanation	Check program and correct error.

NAT2092: Field may not be a display field.

Text	Field may not be a display field.
Explanation	Check program and correct error.

NAT2093: Field may not be used for lookup.

Text	Field may not be used for lookup.
Explanation	Check program and correct error.

NAT2094: Invalid sort/control specification.

Text	Invalid sort/control specification.
Explanation	Check program and correct error.

NAT2095: Only one field may be specified as the lookup key.

Text	Only one field may be specified as the lookup key.
Explanation	Check program and correct error.

NAT2096: Field is not a key field.

Text	Field is not a key field.
Explanation	Check program and correct error.

NAT2097: This field may only be used as a key.

Text	This field may only be used as a key.

Explanation	Check program and correct error.

NAT2098: Field mark must be D or K.

Text	Field mark must be D or K.
Explanation	Check program and correct error.

NAT2099: A superfile may not be used as a lookup file.

Text	A superfile may not be used as a lookup file.
Explanation	Check program and correct error.

40 Natural System Error Messages 2100-2149

NAT2100: Invalid control specification.

Text	Invalid control specification.
Explanation	Check program and correct error.

NAT2101: Invalid display specification.

Text	Invalid display specification.
Explanation	Check program and correct error.

NAT2102: Must be Y, N, or blank (default).

Text	Must be Y, N, or blank (default).
Explanation	Check program and correct error.

NAT2103: Decimal positions must be in range 0 - 7.

Text	Decimal positions must be in range 0 - 7.
Explanation	Check program and correct error.

NAT2104: Length plus decimal positions must be in range 1 - 27.

Text	Length plus decimal positions must be in range 1 - 27.
Explanation	Check program and correct error.

NAT2105: "/" not permitted in heading lines.

Text	"/" not permitted in heading lines.
Explanation	Check program and correct error.

NAT2106: Invalid edit mask.

Text	Invalid edit mask.
Explanation	Check program and correct error.

NAT2107: Only one of FLOAT and LEADING may be entered.

Text	Only one of FLOAT and LEADING may be entered.

Explanation	Check program and correct error.

NAT2108: Occurrences must be in range 1 - 191.

Text	Occurrences must be in range 1 - 191.
Explanation	Check program and correct error.

NAT2109: Occurrences invalid - not a multiple value field.

Text	Occurrences invalid - not a multiple value field.
Explanation	Check program and correct error.

NAT2110: Occurrences invalid - not a two level multiple value field.

Text	Occurrences invalid - not a two level multiple value field.
Explanation	Check program and correct error.

NAT2111: Second occurrence may not be entered without first.

Text	Second occurrence may not be entered without first.
Explanation	Check program and correct error.

NAT2112: Length must be in range 1 - 79.

Text	Length must be in range 1 - 79.
Explanation	Check program and correct error.

NAT2113: Occurrences not in valid range.

Text	Occurrences not in valid range.
Explanation	Check program and correct error.

NAT2114: Group field may not be displayed as a text field.

Text	Group field may not be displayed as a text field.
Explanation	Check program and correct error.

NAT2115: Occurrences invalid - not a periodic group.

Text	Occurrences invalid - not a periodic group.
Explanation	Check program and correct error.

NAT2116: Invalid reply - please re-enter.

Text	Invalid reply - please re-enter.

Explanation	Check program and correct error.

NAT2117: Format must be A, N, or P.

Text	Format must be A, N, or P.
Explanation	Check program and correct error.

NAT2118: Format must not be changed.

Text	Format must not be changed.
Explanation	Check program and correct error.

NAT2119: Control field may not have text display.

Text	Control field may not have text display.
Explanation	Check program and correct error.

NAT2120: Embedded spaces not allowed in name or value.

Text	Embedded spaces not allowed in name or value.
Explanation	Check program and correct error.

NAT2121: Invalid name.

Text	Invalid name.
Explanation	Check program and correct error.

NAT2122: Value may not be more than 18 characters.

Text	Value may not be more than 18 characters.
Explanation	Check program and correct error.

NAT2123: Value has too many integer positions.

Text	Value has too many integer positions.
Explanation	Check program and correct error.

NAT2124: Value has too many decimal positions.

Text	Value has too many decimal positions.
Explanation	Check program and correct error.

NAT2125: Length may not exceed 20.

Text	Length may not exceed 20.

Explanation	Check program and correct error.

NAT2126: Length may not exceed 249.

Text	Length may not exceed 249.
Explanation	Check program and correct error.

NAT2127: Decimal positions must be zero.

Text	Decimal positions must be zero.
Explanation	Check program and correct error.

NAT2128: Length and decimal positions may not both be zero.

Text	Length and decimal positions may not both be zero.
Explanation	Check program and correct error.

NAT2129: Length plus offset exceeds base field length.

Text	Length plus offset exceeds base field length.
Explanation	Check program and correct error.

NAT2130: Output length may not exceed length.

Text	Output length may not exceed length.
Explanation	Check program and correct error.

NAT2131: Limit exceeded.

Text	Limit exceeded.
Explanation	Check program and correct error.

NAT2132: Must be Y or N.

Text	Must be Y or N.
Explanation	Check program and correct error.

NAT2133: Occurrences must be in range 1 - 99.

Text	Occurrences must be in range 1 - 99.
Explanation	Check program and correct error.

NAT2134: Must be in range 1 - 5.

Text	Must be in range 1 - 5.

Explanation	Check program and correct error.

NAT2135: Must be P or 1 - 5.

Text	Must be P or 1 - 5.
Explanation	Check program and correct error.

NAT2136: May not be less than 12.

Text	May not be less than 12.
Explanation	Check program and correct error.

NAT2137: Must be in range 80 - 250.

Text	Must be in range 80 - 250.
Explanation	Check program and correct error.

NAT2138: No more transactions allowed.

Text	No more transactions allowed.
Explanation	Check program and correct error.

NAT2139: Free-format transaction cannot be modified in fixed-format mode.

Text	Free-format transaction cannot be modified in fixed-format mode.
Explanation	Check program and correct error.

NAT2140: No IF conditions entered.

Text	No IF conditions entered.
Explanation	Check program and correct error.

NAT2141: IF conditions are not completed.

Text	IF conditions are not completed.
Explanation	Check program and correct error.

NAT2142: Mixed field formats not allowed.

Text	Mixed field formats not allowed.
Explanation	Check program and correct error.

NAT2143: OR not permitted between linked files.

Text	OR not permitted between linked files.

Explanation	Check program and correct error.

NAT2144: Unknown error.

Text	Unknown error.
Explanation	Check program and correct error.

NAT2145: Error in NATTAB.

Text	Error in NATTAB.
Explanation	Check program and correct error.

NAT2146: Error in NATDDR.

Text	Error in NATDDR.
Explanation	Check program and correct error.

NAT2147: System file record missing when it should be present.

Text	System file record missing when it should be present.
Explanation	Check program and correct error.

NAT2148: Selection error found during program generation.

Text	Selection error found during program generation.
Explanation	Check program and correct error.

NAT2149: Calculation error found during program generation.

Text	Calculation error found during program generation.
Explanation	Check program and correct error.

41 Natural System Error Messages 2150-2199

NAT2150: Must be an elementary field.

Text	Must be an elementary field.
Explanation	Check program and correct error.

NAT2151: Must be an elementary numeric field.

Text	Must be an elementary numeric field.
Explanation	Check program and correct error.

NAT2152: Invalid system function indicator.

Text	Invalid system function indicator.
Explanation	Check program and correct error.

NAT2153: Range not allowed for non-numeric fields.

Text	Range not allowed for non-numeric fields.
Explanation	Check program and correct error.

NAT2154: Mark one graphic type.

Text	Mark one graphic type.
Explanation	Check program and correct error.

NAT2155: Must be P, H, Q, or S.

Text	Must be P, H, Q, or S.
Explanation	Check program and correct error.

NAT2156: Must be B, M, T, or blank.

Text	Must be B, M, T, or blank.
Explanation	Check program and correct error.

NAT2157: Must be blank for PAGE graph.

Text	Must be blank for PAGE graph.

Explanation	Check program and correct error.

NAT2158: Must be L, C, R, or blank.

Text	Must be L, C, R, or blank.
Explanation	Check program and correct error.

NAT2159: Don"t enter both B/M/T and L/C/R.

Text	Don"t enter both B/M/T and L/C/R.
Explanation	Check program and correct error.

NAT2160: Must be B, M or T.

Text	Must be B, M or T.
Explanation	Check program and correct error.

NAT2161: Must be L, C or R.

Text	Must be L, C or R.
Explanation	Check program and correct error.

NAT2162: No graph on overlay.

Text	No graph on overlay.
Explanation	Check program and correct error.

NAT2163: Must be B, T or N.

Text	Must be B, T or N.
Explanation	Check program and correct error.

NAT2164: Invalid value.

Text	Invalid value.
Explanation	Check program and correct error.

NAT2165: Must be L, R or N.

Text	Must be L, R or N.
Explanation	Check program and correct error.

NAT2166: Valid only for LINE or SURFACE graphs.

Text	Valid only for LINE or SURFACE graphs.

Explanation	Check program and correct error.

NAT2167: FROM and TO values required (or neither).

Text	FROM and TO values required (or neither).
Explanation	Check program and correct error.

NAT2168: FROM must be less than TO value.

Text	FROM must be less than TO value.
Explanation	Check program and correct error.

NAT2169: Work field/lookup field not allowed.

Text	Work field/lookup field not allowed.
Explanation	Check program and correct error.

NAT2170: Field must be in the primary file.

Text	Field must be in the primary file.
Explanation	Check program and correct error.

NAT2171: No ranges specified.

Text	No ranges specified.
Explanation	Check program and correct error.

NAT2172: Page width exceeded.

Text	Page width exceeded.
Explanation	Check program and correct error.

NAT2173: Don"t specify both CHARACTERS and INCREMENT.

Text	Don"t specify both CHARACTERS and INCREMENT.
Explanation	Check program and correct error.

NAT2174: Invalid CHARACTERS value.

Text	Invalid CHARACTERS value.
Explanation	Check program and correct error.

NAT2175: Increment not allowed for non-numeric field.

Text	Increment not allowed for non-numeric field.

Explanation	Check program and correct error.

NAT2176: Invalid increment value.

Text	Invalid increment value.
Explanation	Check program and correct error.

NAT2177: Overlapping ranges.

Text	Overlapping ranges.
Explanation	Check program and correct error.

NAT2178: Invalid range start value.

Text	Invalid range start value.
Explanation	Check program and correct error.

NAT2179: Invalid range end value.

Text	Invalid range end value.
Explanation	Check program and correct error.

NAT2180: End value must not be before start value.

Text	End value must not be before start value.
Explanation	Check program and correct error.

NAT2181: Select at least one system function.

Text	Select at least one system function.
Explanation	Check program and correct error.

NAT2182: Name or reference must be entered.

Text	Name or reference must be entered.
Explanation	Check program and correct error.

NAT2183: Must be O, B, E, or P.

Text	Must be O, B, E, or P.
Explanation	Check program and correct error.

NAT2184: Mode not allowed.

Text	Mode not allowed.

Explanation	Check program and correct error.

NAT2185: Must be in range 1 - 32.

Text	Must be in range 1 - 32.
Explanation	Check program and correct error.

NAT2186: Must be D, T, G, I, or W.

Text	Must be D, T, G, I, or W.
Explanation	Check program and correct error.

NAT2187: You are not authorized for this destination.

Text	You are not authorized for this destination.
Explanation	Check program and correct error.

NAT2188: Run mode and destination are incompatible.

Text	Run mode and destination are incompatible.
Explanation	Check program and correct error.

NAT2189: Destination not allowed for batch use.

Text	Destination not allowed for batch use.
Explanation	Check program and correct error.

NAT2190: Destination not allowed for online use.

Text	Destination not allowed for online use.
Explanation	Check program and correct error.

NAT2191: Invalid operator.

Text	Invalid operator.
Explanation	Check program and correct error.

NAT2192: Value(s) missing.

Text	Value(s) missing.
Action	Check program and correct error.

NAT2193: Two values required for BT or OU.

Text	Two values required for BT or OU.

Explanation	Check program and correct error.

NAT2194: One value only allowed.

Text	One value only allowed.
Explanation	Check program and correct error.

NAT2195: Value is too long.

Text	Value is too long.
Explanation	Check program and correct error.

NAT2196: Sort level already used.

Text	Sort level already used.
Explanation	Check program and correct error.

NAT2197: May not be a sort field.

Text	May not be a sort field.
Explanation	Check program and correct error.

NAT2198: Phonetic key cannot be used.

Text	Phonetic key cannot be used.
Explanation	Check program and correct error.

NAT2199: Group field must not be used in vertical display.

Text	Group field must not be used in vertical display.
Explanation	Check program and correct error.

42 Natural System Error Messages 2200-2249

NAT2200: No help page specified - please try again.

Text	No help page specified - please try again.
Explanation	Check program and correct error.

NAT2201: Invalid selection - please try again.

Text	Invalid selection - please try again.
Explanation	Check program and correct error.

NAT2202: Prefix must be entered.

Text	Prefix must be entered.
Explanation	Check program and correct error.

NAT2203: Library ID must be entered.

Text	Library ID must be entered.
Explanation	Check program and correct error.

NAT2204: TO may not be the same as FROM.

Text	TO may not be the same as FROM.
Explanation	Check program and correct error.

NAT2205: Object overflow - cannot continue copy function.

Text	Object overflow - cannot continue copy function.
Explanation	Check program and correct error.

NAT2206: No qualifying transaction found.

Text	No qualifying transaction found.
Explanation	Check program and correct error.

NAT2207: Line number invalid.

Text	Line number invalid.

Explanation	Check program and correct error.

NAT2208: ONLINE or BATCH must be allowed.

Text	ONLINE or BATCH must be allowed.
Explanation	Check program and correct error.

NAT2209: Must be O, B or blank (default).

Text	Must be O, B or blank (default).
Explanation	Check program and correct error.

NAT2210: Must be in range 1 - 191 or zero (default).

Text	Must be in range 1 - 191 or zero (default).
Explanation	Check program and correct error.

NAT2211: Must be in range 1 - 99 or zero (default).

Text	Must be in range 1 - 99 or zero (default).
Explanation	Check program and correct error.

NAT2212: User not found.

Text	User not found.
Explanation	Check program and correct error.

NAT2213: Must be in range 1 - 31.

Text	Must be in range 1 - 31.
Explanation	Check program and correct error.

NAT2214: Help ID required.

Text	Help ID required.
Explanation	Check program and correct error.

NAT2215: Invalid ID format.

Text	Invalid ID format.
Explanation	Check program and correct error.

NAT2216: Description required.

Text	Description required.

Explanation	Check program and correct error.

NAT2217: Must be specified.

Text	Must be specified.
Explanation	Check program and correct error.

NAT2218: May not be the same as private library prefix.

Text	May not be the same as private library prefix.
Explanation	Check program and correct error.

NAT2219: Must be Y, N, O, or B.

Text	Must be Y, N, O, or B.
Explanation	Check program and correct error.

NAT2220: Must be O or B.

Text	Must be O or B.
Explanation	Check program and correct error.

NAT2221: Must be E, A, G, I, or N.

Text	Must be E, A, G, I, or N.
Explanation	Check program and correct error.

NAT2222: Copy failed - hit ENTER to try again.

Text	Copy failed - hit ENTER to try again.
Explanation	Check program and correct error.

NAT2223: File not found.

Text	File not found.
Explanation	Check program and correct error.

NAT2224: Object invalid.

Text	Object invalid.
Explanation	Check program and correct error.

NAT2225: This function is not available for the selected object.

Text	This function is not available for the selected object.

Explanation	Check program and correct error.

NAT2226: Object name/ID required.

Text	Object name/ID required.
Explanation	Check program and correct error.

NAT2227: User ID must not exceed 7 characters.

Text	User ID must not exceed 7 characters.
Explanation	Check program and correct error.

NAT2228: User already present.

Text	User already present.
Explanation	Check program and correct error.

NAT2229: File already present.

Text	File already present.
Explanation	Check program and correct error.

NAT2230: File not defined under Natural Security.

Text	File not defined under Natural Security.
Explanation	Check program and correct error.

NAT2231: Number already used.

Text	Number already used.
Explanation	Check program and correct error.

NAT2232: ID must not exceed 9 characters.

Text	ID must not exceed 9 characters.
Explanation	Check program and correct error.

NAT2233: ID already present.

Text	ID already present.
Explanation	Check program and correct error.

NAT2234: ID not found.

Text	ID not found.

Explanation	Check program and correct error.

NAT2235: This function is not available for superfiles.

Text	This function is not available for superfiles.
Explanation	Check program and correct error.

NAT2236: This function is not available for transactions.

Text	This function is not available for transactions.
Explanation	Check program and correct error.

NAT2237: Must be in range 1 - 9.

Text	Must be in range 1 - 9.
Explanation	Check program and correct error.

NAT2238: Never change *-characters.

Text	Never change *-characters.
Explanation	Check program and correct error.

NAT2239: Record-type format must be entered.

Text	Record-type format must be entered.
Explanation	Check program and correct error.

NAT2240: Invalid format.

Text	Invalid format.
Explanation	Check program and correct error.

NAT2241: Record-type length must be entered.

Text	Record-type length must be entered.
Explanation	Check program and correct error.

NAT2242: Record-type value must be entered.

Text	Record-type value must be entered.
Explanation	Check program and correct error.

NAT2243: Value must be numeric.

Text	Value must be numeric.

Explanation	Check program and correct error.

NAT2244: Value is too long.

Text	Value is too long.
Explanation	Check program and correct error.

NAT2245: Subfield offset must be entered.

Text	Subfield offset must be entered.
Explanation	Check program and correct error.

NAT2246: Subfield format must be entered.

Text	Subfield format must be entered.
Explanation	Check program and correct error.

NAT2247: Record type overrides subfield.

Text	Record type overrides subfield.
Explanation	Check program and correct error.

NAT2248: Exit library must be entered.

Text	Exit library must be entered.
Explanation	Check program and correct error.

NAT2249: Exit program must be entered.

Text	Exit program must be entered.
Explanation	Check program and correct error.

43 Natural System Error Messages 2250-2299

NAT2250: Exit location must be entered.

Text	Exit location must be entered.
Explanation	Check program and correct error.

NAT2251: Exit location out of range 1 - 5.

Text	Exit location out of range 1 - 5.
Explanation	Check program and correct error.

NAT2252: Selection criteria must be entered.

Text	Selection criteria must be entered.
Explanation	Check program and correct error.

NAT2253: Please use a PF-key to continue.

Text	Please use a PF-key to continue.
Explanation	Check program and correct error.

NAT2254: Unacceptable change - must be left as B.

Text	Unacceptable change - must be left as B.
Explanation	Check program and correct error.

NAT2255: Must be BLANK (DON"T), "B" (BEFORE) or "A" (AFTER).

Text	Must be BLANK (DON"T), "B" (BEFORE) or "A" (AFTER).
Explanation	Check program and correct error.

NAT2256: No field in secondary file with same name as primary field.

Text	No field in secondary file with same name as primary field.
Explanation	Check program and correct error.

NAT2257: Invalid mode.

Text	Invalid mode.

Explanation	Check program and correct error.

NAT2258: Must be in range 0 - 254.

Text	Must be in range 0 - 254.
Explanation	Check program and correct error.

NAT2259: Must be in range 0 - 255.

Text	Must be in range 0 - 255.
Explanation	Check program and correct error.

NAT2260: Transaction type and destination are incompatible.

Text	Transaction type and destination are incompatible.
Explanation	Check program and correct error.

NAT2261: Report type and report level are incompatible.

Text	Report type and report level are incompatible.
Explanation	Check program and correct error.

NAT2262: Selection mode and run mode are incompatible.

Text	Selection mode and run mode are incompatible.
Explanation	Check program and correct error.

NAT2263: Change mode and run mode are incompatible.

Text	Change mode and run mode are incompatible.
Explanation	Check program and correct error.

NAT2264: Transaction type and run mode are incompatible.

Text	Transaction type and run mode are incompatible.
Explanation	Check program and correct error.

NAT2265: Run mode and report type are incompatible.

Text	Run mode and report type are incompatible.
Explanation	Check program and correct error.

NAT2266: Run mode and destination are incomaptible.

Text	Run mode and destination are incomaptible.

Explanation	Check program and correct error.

NAT2267: Change mode and destination are incompatible.

Text	Change mode and destination are incompatible.
Explanation	Check program and correct error.

NAT2268: Report type and destination are incompatible.

Text	Report type and destination are incompatible.
Explanation	Check program and correct error.

NAT2269: Unacceptable mode change.

Text	Unacceptable mode change.
Explanation	Check program and correct error.

NAT2270: You are not authorized for this transaction type.

Text	You are not authorized for this transaction type.
Explanation	Check program and correct error.

NAT2271: You are not authorized for this transaction selection mode.

Text	You are not authorized for this transaction selection mode.
Explanation	Check program and correct error.

NAT2272: You are not authorized for this transaction change mode.

Text	You are not authorized for this transaction change mode.
Explanation	Check program and correct error.

NAT2274: You are not authorized for this transaction"s destination.

Text	You are not authorized for this transaction"s destination.
Explanation	Check program and correct error.

NAT2275: You are not authorized for this transaction"s report level.

Text	You are not authorized for this transaction"s report level.
Explanation	Check program and correct error.

NAT2276: You are not authorized to use online transactions.

Text	You are not authorized to use online transactions.

Explanation	Check program and correct error.

NAT2277: You are not authorized for batch transactions.

Text	You are not authorized for batch transactions.
Explanation	Check program and correct error.

NAT2278: This is not a fixed-format mode transaction.

Text	This is not a fixed-format mode transaction.
Explanation	Check program and correct error.

NAT2279: You are not authorized to run batch transactions.

Text	You are not authorized to run batch transactions.
Explanation	Check program and correct error.

NAT2280: No user files available within your allocation.

Text	No user files available within your allocation.
Explanation	Check program and correct error.

NAT2281: User file number greater than maximum allocated.

Text	User file number greater than maximum allocated.
Explanation	Check program and correct error.

NAT2282: User file already in use.

Text	User file already in use.
Explanation	Check program and correct error.

NAT2283: User file does not exist.

Text	User file does not exist.
Explanation	Check program and correct error.

NAT2284: File name required.

Text	File name required.
Explanation	Check program and correct error.

NAT2285: File number or name required.

Text	File number or name required.

Explanation	Check program and correct error.

NAT2286: File name is not unique.

Text	File name is not unique.
Explanation	Check program and correct error.

NAT2287: You have no user files in use.

Text	You have no user files in use.
Explanation	Check program and correct error.

NAT2288: Invalid file name format.

Text	Invalid file name format.
Explanation	Check program and correct error.

NAT2289: Expiry date reached; file not accessible.

Text	Expiry date reached; file not accessible.
Explanation	Check program and correct error.

NAT2290: Sequence number already used.

Text	Sequence number already used.
Explanation	Check program and correct error.

NAT2291: Field may not be selected for data change.

Text	Field may not be selected for data change.
Explanation	Check program and correct error.

NAT2292: Invalid sequence number.

Text	Invalid sequence number.
Explanation	Check program and correct error.

NAT2293: Sequence number already used.

Text	Sequence number already used.
Explanation	Check program and correct error.

NAT2294: Field may not be selected for extract.

Text	Field may not be selected for extract.

Explanation	Check program and correct error.

NAT2295: Report level and destination are incompatible.

Text	Report level and destination are incompatible.
Explanation	Check program and correct error.

NAT2296: Invalid option code.

Text	Invalid option code.
Explanation	Check program and correct error.

NAT2297: Field may not be a key.

Text	Field may not be a key.
Explanation	Check program and correct error.

NAT2298: Lookup not allowed for this transaction type.

Text	Lookup not allowed for this transaction type.
Explanation	Check program and correct error.

NAT2299: Requested function has been executed.

Text	Requested function has been executed.
Explanation	Check program and correct error.

44 Natural System Error Messages 2300-2349

NAT2300: Must be D.

Text	Must be D.
Explanation	Check program and correct error.

NAT2301: Blank character not allowed in field name.

Text	Blank character not allowed in field name.
Explanation	Check program and correct error.

NAT2302: Invalid character in field name.

Text	Invalid character in field name.
Explanation	Check program and correct error.

NAT2303: Format must be specified.

Text	Format must be specified.
Explanation	Check program and correct error.

NAT2304: Length must be specified.

Text	Length must be specified.
Explanation	Check program and correct error.

NAT2305: Format not allowed without name.

Text	Format not allowed without name.
Explanation	Check program and correct error.

NAT2306: Length not allowed without name.

Text	Length not allowed without name.
Explanation	Check program and correct error.

NAT2307: Invalid format code.

Text	Invalid format code.

Explanation	Check program and correct error.

NAT2308: Invalid length specification.

Text	Invalid length specification.
Explanation	Check program and correct error.

NAT2309: Maximum alphanumeric field length is 253.

Text	Maximum alphanumeric field length is 253.
Explanation	Check program and correct error.

NAT2310: Decimal positions not allowed for alphanumeric field.

Text	Decimal positions not allowed for alphanumeric field.
Explanation	Check program and correct error.

NAT2311: Maximum integer length is 20.

Text	Maximum integer length is 20.
Explanation	Check program and correct error.

NAT2312: Maximum for decimal positions is 7.

Text	Maximum for decimal positions is 7.
Explanation	Check program and correct error.

NAT2313: Sequence number must be specified.

Text	Sequence number must be specified.
Explanation	Check program and correct error.

NAT2314: Sequence number already used.

Text	Sequence number already used.
Explanation	Check program and correct error.

NAT2315: Invalid Library ID.

Text	Invalid Library ID.
Explanation	Check program and correct error.

NAT2316: Invalid program ID.

Text	Invalid program ID.

Explanation	Check program and correct error.

NAT2317: Invalid exit location code.

Text	Invalid exit location code.
Explanation	Check program and correct error.

NAT2318: Line cannot be inserted.

Text	Line cannot be inserted.
Explanation	Check program and correct error.

NAT2319: Must be R.

Text	Must be R.
Explanation	Check program and correct error.

NAT2320: Field does not exist.

Text	Field does not exist.
Explanation	Check program and correct error.

NAT2321: Field is not a primary file.

Text	Field is not a primary file.
Explanation	Check program and correct error.

NAT2322: Field may not be used as a link field.

Text	Field may not be used as a link field.
Explanation	Check program and correct error.

NAT2323: Field is not in secondary file.

Text	Field is not in secondary file.
Explanation	Check program and correct error.

NAT2324: Secondary file link field must be a key field.

Text	Secondary file link field must be a key field.
Explanation	Check program and correct error.

NAT2325: Subfield length less than permitted for this file.

Text	Subfield length less than permitted for this file.

Explanation	Check program and correct error.

NAT2326: Secondary field shorter than primary field.

Text	Secondary field shorter than primary field.
Explanation	Check program and correct error.

NAT2327: Name length must not be less than 3.

Text	Name length must not be less than 3.
Explanation	Check program and correct error.

NAT2328: No add or delete of fields in field line possible

Text	No add or delete of fields in field line possible
Explanation	Check program and correct error

NAT2329: Index required for non-key multiple/periodic field.

Text	Index required for non-key multiple/periodic field.
Explanation	Check program and correct error.

NAT2330: Please enter one of the options.

Text	Please enter one of the options.
Explanation	Check program and correct error.

NAT2331: No selection criteria with current selection mode.

Text	No selection criteria with current selection mode.
Explanation	Check program and correct error.

NAT2332: No fields have been selected.

Text	No fields have been selected.
Action	Check program and correct error.

NAT2333: Current transaction does not have data change.

Text	Current transaction does not have data change.
Explanation	Check program and correct error.

NAT2334: No output fields have been chosen.

Text	No output fields have been chosen.

Explanation	Check program and correct error.

NAT2335: Current transaction is not extract type.

Text	Current transaction is not extract type.
Explanation	Check program and correct error.

NAT2336: Mode change not available.

Text	Mode change not available.
Explanation	Check program and correct error.

NAT2337: Command not appropriate to current transaction modes.

Text	Command not appropriate to current transaction modes.
Explanation	Check program and correct error.

NAT2338: No vertical fields allowed with REPORT EDITOR

Text	No vertical fields allowed with REPORT EDITOR
Explanation	Check program and correct error

NAT2340: ACCEPT/REJECT not when FLATTENING BEFORE; Log. Stmt.:

Text	ACCEPT/REJECT not when FLATTENING BEFORE; Log. Stmt.:
Explanation	Check program and correct error.

NAT2341: Key sequence number already used.

Text	Key sequence number already used.
Explanation	Check program and correct error.

NAT2342: Don"t enter a start value without key reference.

Text	Don"t enter a start value without key reference.
Explanation	Check program and correct error.

NAT2343: Don"t enter an end value without key reference.

Text	Don"t enter an end value without key reference.
Explanation	Check program and correct error.

NAT2344: Invalid field reference.

Text	Invalid field reference.

Explanation	Check program and correct error.

NAT2345: Field is not a key.

Text	Field is not a key.
Explanation	Check program and correct error.

NAT2346: READ BY KEY not permitted on this field.

Text	READ BY KEY not permitted on this field.
Explanation	Check program and correct error.

NAT2347: End value not permitted for this key.

Text	End value not permitted for this key.
Explanation	Check program and correct error.

NAT2348: Start value must be numeric for this key.

Text	Start value must be numeric for this key.
Explanation	Check program and correct error.

NAT2349: End value must be numeric for this key.

Text	End value must be numeric for this key.
Explanation	Check program and correct error.

45 Natural System Error Messages 2350-2399

NAT2350: Start value longer than field length.

Text	Start value longer than field length.
Explanation	Check program and correct error.

NAT2351: End value longer than field length.

Text	End value longer than field length.
Explanation	Check program and correct error.

NAT2352: End value must not be lower than start value.

Text	End value must not be lower than start value.
Explanation	Check program and correct error.

NAT2353: Invalid start value.

Text	Invalid start value.
Explanation	Check program and correct error.

NAT2354: Invalid end value.

Text	Invalid end value.
Explanation	Check program and correct error.

NAT2355: .

Explanation	Check program and correct error

NAT2357: Minimum edit mask length of 6 characters required for COUNT.

Text	Minimum edit mask length of 6 characters required for COUNT.
Explanation	Check program and correct error.

NAT2358: Minimum output length of 6 characters required for COUNT.

Text	Minimum output length of 6 characters required for COUNT.
Explanation	Check program and correct error.

NAT2359: No control fields specified for report level SUMMARY.

Text	No control fields specified for report level SUMMARY.
Explanation	Check program and correct error.

NAT2360: Error in selection criteria line:

Text	Error in selection criteria line:
Explanation	Check program and correct error.

NAT2361: Error in selection criteria.

Text	Error in selection criteria.
Explanation	Check program and correct error.

NAT2362: Selection criteria incomplete.

Text	Selection criteria incomplete.
Explanation	Check program and correct error.

NAT2363: No selection criteria entered.

Text	No selection criteria entered.

Explanation	Check program and correct error.

NAT2364: Entire file must be read to satisfy your selection criteria.

Text	Entire file must be read to satisfy your selection criteria.
Explanation	Check program and correct error.

NAT2365: - This is not allowed.

Text	- This is not allowed.
Explanation	Check program and correct error.

NAT2366: Error in calculation line.

Text	Error in calculation line.
Explanation	Check program and correct error.

NAT2367: Calculations incomplete.

Text	Calculations incomplete.
Explanation	Check program and correct error.

NAT2368: Error in logic statement number.

Text	Error in logic statement number.
Explanation	Check program and correct error.

NAT2369: Report specification contains error(s) on page:

Text	Report specification contains error(s) on page:
Explanation	Check program and correct error.

NAT2370: Field specification contains error(s) on page:

Text	Field specification contains error(s) on page:
Explanation	Check program and correct error.

NAT2371: Data change specification contains error(s) on page:

Text	Data change specification contains error(s) on page:
Explanation	Check program and correct error.

NAT2372: Extract specification contains error(s) on page:

Text	Extract specification contains error(s) on page:

Explanation	Check program and correct error.

NAT2373: No system functions (SUM etc.) for control break output.

Text	No system functions (SUM etc.) for control break output.
Explanation	Check program and correct error.

NAT2374: Error in tabular report specification.

Text	Error in tabular report specification.
Explanation	Check program and correct error.

NAT2375: GRAPH report type selected but no graph specified.

Text	GRAPH report type selected but no graph specified.
Explanation	Check program and correct error.

NAT2376: Graph definition error for graph number:

Text	Graph definition error for graph number:
Explanation	Check program and correct error.

NAT2377: Input fields contain error(S) on page:

Text	Input fields contain error(S) on page:
Explanation	Check program and correct error.

NAT2378: Number of errors =

Text	Number of errors =
Explanation	Check program and correct error.

NAT2379: Maximum records may not exceed:

Text	Maximum records may not exceed:
Explanation	Check program and correct error.

NAT2380: Tabular report type selected but no tabular data specified.

Text	Tabular report type selected but no tabular data specified.
Explanation	Check program and correct error.

NAT2381: .

Explanation	Check program and correct error.

NAT2382: .

Explanation	Check program and correct error

NAT2385: User-file directory record not found.

Text	User-file directory record not found.
Explanation	Check program and correct error.

NAT2386: CMDDP error.

Text	CMDDP error.
Explanation	Check program and correct error.

NAT2388: Field must not be a key.

Text	Field must not be a key.
Explanation	Check program and correct error.

NAT2389: No more fields allowed.

Text	No more fields allowed.
Explanation	Check program and correct error.

NAT2390: Transaction type and change mode are incompatible.

Text	Transaction type and change mode are incompatible.
Explanation	Check program and correct error.

NAT2391: Selection mode and destination are incompatible.

Text	Selection mode and destination are incompatible.
Explanation	Check program and correct error.

NAT2392: Change mode and report type are incompatible.

Text	Change mode and report type are incompatible.
Explanation	Check program and correct error.

46 Natural System Error Messages 2400-2449

NAT2400: Function:1:interrupted.

Text	Function:1:interrupted.
Explanation	The execution of the last function was stopped with a PF key.

NAT2401: Function:1:terminated normally.

Text	Function:1: terminated normally.

NAT2402: No xref data for this selection available.

Text	No xref data for this selection available.

NAT2403: Type of referenced program and invoking mode do not match.

Text	Type of referenced program and invoking mode do not match.

Explanation	Valid combinations: Natural program: FETCH, RUN, STACK, FETCH RETURN Subprogram: CALLNAT Subroutine: PERFORM Helproutine: HELP Map: MAP External Program: CALL Expert model: INVESTIGATE

NAT2404: Program:1:of type:2:not found.

Text	Program:1:of type:2:not found.

NAT2405: Enter a valid:1:.

Text	Enter a valid:1:.

NAT2406: Error on data base. Adabas response code:1:.

Text	Error on data base. Return code =:1:.
Explanation	An Adabas response code was received.

NAT2407: Program type and data area type do not match.

Text	Program type and data area type do not match.
Explanation	A parameter data area can only occur in a subprogram.

NAT2408: Data area:1:of type:2:not found.

Text	Data area:1:of type:2:not found.

NAT2409: Valid input for:1:::2:.

Text	Valid input for:1:::2:.

NAT2410: Warning::1::2:.

Text	Warning::1::2:.
Explanation	A function was not executed completely due to an internal error or internal restrictions.

NAT2411: Internal table overflow during:1:.

Text	Internal table overflow during:1:.
Explanation	There are two different situations, where this message my appear: 1. The function "list programs not referenced starting from one program" has some restrictions concerning the number of objects which can be handled. The message specifies the concerned retrieval object. 2. In the function "operate on sets" the result of any union or intersection operation may not exceed 9999 records (approximate 600000 members).

NAT2412: Shortage of sort space. Restrict search. Object::2:.

Text	Shortage of sort space. Restrict search. Object::1:.

Explanation	The output may be not completely sorted due to shortage of internal sort space. The message specifies the concerned retrieval object.

NAT2413: No:1:found.

Text	No:1:found.

NAT2414: Syntax error in command line.

Text	Syntax error in command line.
Explanation	The text entered in the command line was no valid LIST XREF command.

NAT2415: Function not available for library:1:.

Text	Function not available for library:1:
Explanation	The function is only applicable to Natural libraries.

NAT2416: Please select reports.

Text	Please select reports.
Explanation	At least one report must be selected for this function.
Action	Select report.

NAT2417: PF key is already assigned.

Text	PF key is already assigned.
Explanation	The PF key is already assigned to another function.
Action	Assign a different PF key to this function.

NAT2418: PF key is assigned for function "Show PF keys".

Text	PF key is assigned to function "Show PF keys".
Explanation	The PF key is already assigned to the function "Show PF keys". If the function "Show PF keys" is assigned to one PF key, it will be automatically assigned to the corresponding PF key on the other level.
Action	Select other PF key.

NAT2419: Command not allowed in online mode.

Text	Command not allowed in online mode.
Explanation	The selected command can only be used in batch mode.

NAT2420: Valid values: *SYSCOB*, *SYSBAL*, *SYSPLI* and *SYSFOR*.

Text	Valid values: *SYSCOB* , *SYSBAL* , *SYSPLI* and *SYSFOR* .

Explanation	An invalid value was entered for the library name.
Action	Enter a valid value.

NAT2421: Profile:1:updated.

Text	Profile:1:updated.
Explanation	The function "Update profile" terminated successfully.

NAT2422: Updated profile is valid only for this session.

Text	Updated profile is valid only for this session.
Explanation	The updated user profile is valid only for this session because the user is not defined in Predict.
Action	Ask the Data Dictionary Administrator to define your user ID in Predict.

NAT2423: Profile saved with name:1:.

Text	Profile saved with name:1:.
Explanation	The updated profile is saved in Predict under this name.

NAT2424: Help displayed.

Text	Help displayed.
Explanation	The Help system has been used.

NAT2425: Function:1:terminated with error.

Text	Function:1:terminated with error.
Explanation	The execution of function was terminated with error.
Action	Check error and reexecute function.

NAT2426: Profile with name:1:not found.

Text	Profile with name:1:not found.
Explanation	The selected profile was not found in Predict.
Action	Select other profile.

NAT2427: Entered command is ambiguous.

Text	Entered command is ambigous.
Explanation	The entered command could not be uniquely identified by the command processor.
Action	Correct the command.

NAT2428: Active library structure is::1:.

Text	Active library structure is::1:.
Explanation	This message is shown to inform about the currently active library structure which is set in the LIST XREF profile of an user or the default profile.

NAT2429: :1:set(s) marked with:2:.

Text	:1:set(s) marked with:2:.
Explanation	The listed number of sets is marked with the listed operation.
Action	To finish the operation, mark a second with "X" or "Y" if a set is already marked with "Y" or "X" or confirm the action with the corresponding PF-KEY is two or more sets marked with "U" or "I".

NAT2430: Name of startup program must be entered for this function.

Text	Name of startup program must be entered.
Explanation	This function checks for programs references / implementation starting with the specified program.
Action	Enter the program name.

NAT2431:

Text	Member for CATALL generated.

NAT2432: Set not saved. Error in editor:1:.

Text	Set not saved. Error in editor.
Explanation	An internal error occurred in the handling of the Natural editor. The set could not be saved.

NAT2433:

Text	Switch "generate catall" is on.

NAT2434: Resulting set is empty.

Text	Resulting set is empty.
Explanation	The result of executed operations was empty. Set has not been saved in Predict.

NAT2435: Set nr:1:has been saved.

Text	Set is saved.
Explanation	The result of the executed function has been saved in Predict for later operation.

NAT2436: Operations terminated normally.

Text	Operations terminated normally.

NAT2437: User is not defined in Predict. Set can not be saved.

Text	This option requires that the user is defined in Predict.
Explanation	You attempted to save the result of a LIST XREF function in Predict. This is only possible if your user ID is defined in Predict.
Action	Ask the Data Dictionary Administrator to define your user ID in Predict.

NAT2438: Maximum number of sets exist. A new set can not be created.

Text	Maximum number of sets exist. A new set can not be created.
Explanation	Since Predict version 4.4.1, up to 99 sets can exist at the same time per user and application. With Predict versions below 4.4.1, up to 12 sets can exist at the same time per user and application.
Action	Purge sets that are no longer needed.

NAT2439: *-notation is not allowed for this function.

Text	*-notation is not allowed for this function.
Action	Enter a complete program name.

NAT2440: :1:keyword not defined.

Text	Keyword is not defined.

Explanation	A keyword must exist within the dictionary before it can be assigned to other dictionary objects.
Action	Enter a valid keyword or define the keyword in Predict.

NAT2441: Invalid:1:.

Text	Invalid object.
Explanation	An attempt was made to reference a nonexisting object type.
Action	Enter a correct object type.

NAT2442: From map editor only verification status free allowed.

Text	For map editor only verification status free allowed.
Explanation	It was tried to define a verification with a status other than "free". Only free processing rules can be defined from within the map editor.
Action	Enter status "free".

NAT2443: No set found.

Text	No set found.
Explanation	Sets of Natural members can be created using several LIST XREF functions. At the moment, no set exists in this application under your user ID.

NAT2444: Only 24 keywords supported.

Text	Only 24 keywords supported.
Explanation	It is not possible to enter more than 24 keywords for one Predict entry.

NAT2445: Duplicate keywords defined.

Text	Duplicate keywords are entered.
Explanation	It is not possible to enter the same keyword twice for one Predict entry.

NAT2446: Userexit activated, but not available in SYSLIB.

Text	User exit activated, but not available in SYSLIB.
Explanation	In the "Special functions" of Predict, the user exit for the maintenance of verifications from within the map editor was activated, but the user exit program is not available in SYSLIB.
Action	Copy the program SUMPRDEX to SYSLIB.

NAT2447: More than 1 set exists, but no set number was specified.

Text	More than one set exists, but no set number was specified.
Explanation	There is more than one set saved for this user. The number of the set to be catalogued or stowed must be specified.

NAT2448: Please enter a valid value: "CATALOG" or "STOW".

Text	Please enter valid value.
Explanation	Valid values are "CATALOG" and "STOW".

NAT2449: Specified set number not found.

Text	Specified set number not found.

47 Natural System Error Messages 2450-2499

NAT2450: Specified startup program not found in application.

Text	Specified startup program not found in application.

NAT2451: Please enter startup program name.

Text	Please enter startup program name.
Explanation	For this function the name of a startup program is required.

NAT2452: Please mark only one restriction.

Text	Please mark only one restriction.

NAT2453: Rule status and rule usage do not match.

Text	Rule status and rule usage do not match.

Explanation	An automatic processing rule can also be used as free rule, but for free rules status and usage are always the same.

NAT2454: Target user ID has max. no. of sets.Function can not be executed.

Text	Target user ID has maximum number of sets. Function can not be executed.
Explanation	Since Predict version 4.4.1, up to 99 sets can exist at the same time per user and application. With Predict versions below 4.4.1, up to 12 sets can exist at the same time per user and application.
Action	Before using the function, make sure that the target user does not have more than 99 sets stored for this application.

NAT2455: Mode "Invoke return" only valid with functions "E","I","X","Y".

Text	Mode "Invoke return" only valid with functions "E", "I", "X", "Y".
Explanation	The invoking mode "Invoke return" comprises all invoking modes that return control to the invoking program, i. e. CALL, CALLNAT, PERFORM, FETCH RETURN, HELP, MAP, STATIC SQL, INVESTIGATE. It is used to restrict the output of the recursive reports.

NAT2456: Please enter "W" for stow or "C" for catalog.

Text	Please enter "W" for stow or "C" for catalog.

NAT2457: Invalid option.

Text	Invalid option.
Action	Enter a correct option.

NAT2458: No set to process found.

Text	No set to process found.

NAT2459: No set found.

Text	No set found.
Explanation	Sets of Natural members can be created using several LIST XREF functions. At the moment, no set exists in this application for your user ID.

NAT2460: User is not defined in Predict. Function is not possible.

Text	User is not defined in Predict. Function is not possible.
Explanation	This function can only be executed if your user ID is defined in Predict.
Action	Contact your Data Dictionary Administrator.

NAT2461: No object type to be verified marked.

Text	No object to be verified marked.

Explanation	The function can only be executed if objects to be verified are marked in the currently active profile. In batch the used profile can be specified using the command LIST XREF PROFILE <user ID>, otherwise the SYSTEM profile will be used.
Action	Mark objects to be verified in the LIST XREF profile.

NAT2462: Warning: Table is full, new set can not be saved or created.

Text	Warning: table is full, new set can not be saved or created.
Explanation	There is a maximum of 99 sets per library and user. Before creating new set with the "UNION", "INTERSECTION" or "DIFFERENCE" operation purge sets which are no longer needed.

NAT2463: Specification is not allowed.

Text	Specification is not allowed.
Explanation	Entered function and specifications are not compatible.
Action	Check entered parameter.

NAT2464: If status = "A" only format "A", "B" or "N" allowed.

Text	If status = "A" only format "A", "B" or "N" allowed.
Explanation	The Format of AUTOMATIC RULES, which are connected to fields, must be "A", "N" or "B", because the field formats "L", "D" and "K" in Predict not allowed.

Action	Change format.

NAT2465: If you want to edit rules, rule format must be entered.

Text	If you want to edit rules, rule format must be entered.
Explanation	The rules are only be activated, if the format of the rule and the field format are compatible.
Action	Enter rule format.

NAT2466: Rule format must be "A", "N", "B", "D" OR "K".

Text	Rule format must be "A", "N", "B", "D" OR "K".
Explanation	A rule must have one of this formats: A - Alpha-numeric N - Numeric B - Binary D - Date/Time K - Function key
Action	Enter correct rule format.

NAT2467: :1:set(s) exist.

Text	The given number of sets exist in this application under your user ID.

NAT2468:

Text	Warning: ADAWAN code will be deleted. Hit ENTER.
Explanation	If the file type "ADABAS" is changed in the function "RENAME FILE" the ADAWAN code will be deleted.

NAT2469:

Text	No member name can be generated.
Explanation	At generation ADAWAN/ADACMP code no new member name can be generated. The first 4 characters of the member name will be build out of the file name and the last 4 bytes are a number, which will be searched so that the member name is unique in the library.
Action	Enter member name explicitly.

NAT2470: For a free rule at least one modifier required.

Text	For a free rule at least one modifier required.
Explanation	The DDA has set one of the rule protection switches to "force". For MIGRATION utility this message is only a warning.
Action	For MIGRATION utility: add later the required modifier to the verification.

NAT2471: User/Group:1: is not defined in Natural Security.

Text	The marked user or group is not defined in Natural Security.
Explanation	All modifiers of a free rule must be defined in Natural Security.
Action	Define user or group in Natural Security before using it in Predict or correct name.

NAT2472: :1:not allowed for this:2:.

Text	Object of this type not allowed in this case.
Action	Select one type shown in the pop-up-menu, or change function-code.

NAT2473: You are not in the list of modifiers.

Text	You are not in the list of modifiers.
Explanation	If modifiers are entered then you must be member of the list.
Action	Enter correct language.

NAT2474: Function not allowed for this language.

Text	Function not allowed for this language.
Explanation	Function "DISPLAY" (D) and "RENAME" (N)" not allowed for DDM, SUPER Natural and Verification rule.

NAT2475: Sets are sorted differently.

Text	Sets are sorted differently.
Explanation	All sets included in the set operation should be sorted in the same manner (e.g either by name or by type).
Action	Sort all sets by name or by type.

NAT2476: Function not supported in this Natural version.

Text	Function not supported in this Natural version.
Explanation	Functions are only supported in Natural V2: - Generate Verification rules - Edit rule of verification
Action	Contact your DDA.

NAT2477: ADAMINT not installed.

Text	ADAMINT not installed.
Explanation	ADAMINT is a "selectable unit", which may not be available in your installation.
Action	Please contact your DBA.

NAT2478: Invalid edit command: EDIT "object1" "object2".

Text	Invalid edit command: EDIT "object1" "object2".
Explanation	Function EDIT "object1" of "object2" not implemented.
Action	Change function or correct command.

NAT2479: Invalid object: for command.

Text	Invalid object: for command.
Explanation	The direct command is not allowed in connection to the entered object.
Action	Change direct command.

NAT2480: No format, length allowed for 2. redefinition.

Text	No format, length allowed for 2. redefinition.
Explanation	If multiple redefinitions of a field exist (field-type = "RE" and field-name = "FILLER") no format and length definitions allowed. The format and length definitions of the basic field are already valid.
Action	Delete format and length definitions.

NAT2481: Starting position out of field.

Text	Starting position out of field.
Explanation	The starting position of an VSAM primary key or alternated key is out of the source field.
Action	Correct error or change source field.

NAT2482: Source field format "F" or "I" not allowed.

Text	Source field format "F" or "I" not allowed.
Explanation	The field formats "F" or "I" are not valid in Adabas V4.1.
Action	Change descriptor or change source field format.

NAT2483: Only one MU-field as source field allowed.

Text	Only one MU-field as source field allowed.
Explanation	Only one source field of a superdescriptor can be of field type "MU".
Action	Change the superdescriptor

NAT2484: One source field must be entered.

Text	One source field must be entered.

Explanation	One and only one source field must entered to a sub- or phonetic-descriptor.
Action	Enter name of source field

NAT2485: Related file deleted.

Text	Related file deleted.
Explanation	If a MASTER file (FILE TYPE Adabas or VSAM) is replaced by the MIGRATE utility, the old related USER VIEWS will be deleted.

NAT2486: A rule of status "A" may not be replaced

Text	A rule of status "A" may not be replaced
Explanation	with a rule of status "F" or BLANK.
Action	The loading of this verification is rejected.

NAT2487: Migration utility failed by error.

Text	Migration utility failed by error.
Explanation	Check message and correct error.

NAT2488: Internal error in "program". Restart with "MENU".

Text	Internal error in "program". Restart with "MENU".
Explanation	Restart with "MENU".

NAT2489: Owner/keyword not allowed for unload keywords.

Text	Owner/keyword not allowed for unload keywords.
Explanation	Correct error

NAT2490: Only all-option "N" allowed for object "ALL".

Text	Only all-option "N" allowed for object "ALL".
Explanation	Correct error

NAT2491: Code "Y" not allowed for command "VERSIONS".

Text	Code "Y" not allowed for command "VERSIONS".
Explanation	Correct error

NAT2492: ENTER "Y" OR "N" OR "L".

Text	ENTER "Y" OR "N" OR "L".
Explanation	Check program and correct error

NAT2493: ENTER "Y" OR "N" OR "S".

Text	ENTER "Y" OR "N" OR "S".
Explanation	Check program and correct error

NAT2494: Function not allowed for files which have DDM"s.

Text	Function not allowed for files which have DDM"s.
Explanation	The RENAME function is not allowed for files which have DDM"s.
Action	Also it is not allowed to change the file type of such a file to "C" (conceptional) or to "Z" (standard). Use the copy function.

NAT2495: File is a SUPER Natural USER FILE.

Text	File is a SUPER Natural USER FILE.
Explanation	The user-files of SUPER Natural can only be maintained in SUPER Natural and not in Predict.
Action	For prototyping user-files of SUPER Natural can be incorporated to predict.

NAT2496: Function not supported in Natural VMS.

Text	Function not supported in Natural VMS.

Explanation	VSAM is not supported in a VMS environment. Therefore no DDM generation is allowed for VSAM files (file type "V","W","L","R") and no VSAM DDMs can be incorporated. However, you may maintain your descriptions of VSAM files in your dictionary.
Action	Incorporate COBOL is also not available in a VMS environment.

NAT2497: Library name may not start with "SYS".

Text	Library name may not start with "SYS".
Explanation	The Natural Libraries starting with "SYS" are Natural system libraries, and should not be used by customers.
Action	Enter a valid library name.

NAT2498: Member name not valid.

Text	Member name not valid.
Explanation	The entered member name is not valid. The member name for the generated code must confirm the following rules: - first character must be alfa (A-Z) - the other characters must be alfa-numeric (A-Z,0-9) or hyphen (-) - no imbedded blanks are allowed
Action	Enter a valid member name or "*". If "*" is entered Predict will build a valid member name.

NAT2499: Library name not valid.

Text	Library name not valid.
Explanation	The library name for the generated code is not valid according the following rules: - the first character must be alfa (A-Z) - the other characters must be alfa-numeric (A-Z,0-9) or hyphen (-) - no imbedded blanks are allowed
Action	Enter a valid library name.

48 Natural System Error Messages 2500-2549

NAT2500: Different error messages of the function "INCORPORATE COBOL".

Text	Different error messages of the function "INCORPORATE COBOL".
Explanation	These messages describe especially COBOL data definitions, which are not supported by the selectible unit "INCORPORATE COBOL".
Action	See message.

NAT2501: Object added successfully.

Text	Object added successfully.
Explanation	The object was added successfully.

NAT2502: Object copied successfully.

Text	Object copied successfully.

Explanation	The copy function was successfully executed.

NAT2503: Object modified successfully.

Text	Object modified successfully.
Explanation	The modify function was successfully executed.

NAT2504: Owner not defined.

Text	Owner not defined.
Explanation	The owner record must be successfully added to the dictionary before the owner may be declared as an owner for other dictionary objects.
Action	Enter a valid owner id or leave blank.

NAT2505: Keyword is not defined.

Text	Keyword is not defined.
Explanation	A keyword must exist within the dictionary before it can be assigned to any other dictionary objects.
Action	Enter a valid keyword or leave blank.

NAT2506: Unable to edit object if editor is active.

Text	Unable to edit object if editor is active.
Explanation	Extended descriptions, verifications or owner lists cannot be modified while a list of subsequent objects is being modified.
Action	Enter "N" for edit-description, edit-verification or edit-owners.

NAT2507: Database is not of type ...

Text	Database is not of type ...
Explanation	At generation DDM the file type will be checked against the type of the database. Since Natural V2.1 the VSAM database number is no longer restricted to 254. The database type to file type "A" and "U" must be "A" and to file type "V", "L", "W" and "R" must be "V".
Action	Enter correct database id.

NAT2508: Object in use.

Text	Object in use.
Explanation	Conflict during editing function due to multiple updates to the same object by another user.
Action	Restart the edit session.

NAT2509: No more than XXX objects supported.

Text	No more than XXX objects supported.
Explanation	An attempt was made to add more than XXX objects to an other object. You may define up to 500 subsequent objects to an object, 99 owners to any object and 30 different codes for a file. Further additions will be rejected.
Action	Establish whether all objects (e.g., files) are necessary. Delete all unnecessary objects.

NAT2510: Correct the error or hit "enter" to edit object list.

Text	Correct the error or hit "enter" to edit object list.
Explanation	If an error was detected during the catalog or check function, the error may be corrected immediately or the user may return to the full screen editor by hitting enter.
Action	Hit enter or correct the error.

NAT2511: Object structure cataloged.

Text	Object structure cataloged.
Explanation	The catalog function terminated successfully.

NAT2512: Duplicate object found.

Text	Duplicate object found.
Explanation	In editing the elements of an object, duplicated element names have been found during the catalog or check process.
Action	Correct the duplicate name or hit enter to return to the full screen editor.

NAT2513: First character of name not alpha.

Text	First character of name not alpha.
Explanation	All object names must start with an alpha character and must be at least 3 characters long.
Action	Correct the object name.

NAT2514: Object displayed successfully.

Text	Object displayed successfully.
Explanation	The display function has been successfully completed.

NAT2515: Invalid object.

Text	Invalid object.

Explanation	An attempt was made to reference a nonexistent object type.
Action	Enter a correct object type.

NAT2516: Invalid function code.

Text	Invalid function code.
Explanation	Enter a valid Predict function.

NAT2517: Function terminated.

Text	Function terminated.
Explanation	The Predict function has been completed successfully.

NAT2518: No OBJECT specified.

Text	No OBJECT specified.
Explanation	An Object ID must be entered.
Action	Enter a valid Object ID.

NAT2519: Object does not exist.

Text	Object does not exist.

Explanation	The specified object does not exist in the dictionary.
Action	Enter a valid Object ID.

NAT2520: More than one object found. See DBA.

Text	More than one object found. See DBA.
Explanation	More than one object was found in the dictionary. The objects in the dictionary should be unique. This is a serious error.
Action	Stop activity immediately and contact your DBA.

NAT2521: Object name already exists.

Text	Object name already exists.
Explanation	The Object ID entered already exists in the dictionary. All ID"s entered in Predict (except for the field name) must be unique.
Action	Note also that the field names in a given file must be unique. Enter a valid Object ID.

NAT2522: First character of new Object ID is not alpha.

Text	First character of new Object ID is not alpha.
Explanation	The first character of an Object ID must be a valid alpha-character. The object name must be at least 3 characters long.

Action	Enter a valid new Object ID.

NAT2523: The function was not performed.

Text	The function was not performed.
Explanation	The function was not performed because either an invalid input was made or a field was left blank.

NAT2524: File ID must be specified.

Text	File ID must be specified.
Explanation	A field is uniquely defined only via the field and file name.
Action	Enter the File ID also.

NAT2525: Object explosion listed.

Text	Object explosion listed.
Explanation	The explosion of an object has been displayed successfully.

NAT2526: Object listed successfully.

Text	Object listed successfully.
Explanation	The requested objects have been successfully listed.

NAT2527: OBJECT IMPLOSION listed.

Text	OBJECT IMPLOSION listed.
Explanation	The IMPLOSION of an OBJECT has been displayed successfully.

NAT2528: Object RENAMED successfully.

Text	Object RENAMED successfully.
Explanation	The RENAME of an object has been performed successfully.

NAT2529: No XREF DATA found.

Text	No XREF DATA found.
Explanation	This message is issued by the function "DELETE XREF DATA". If the search criteria did not agree with any XREF DATA, this message is issued.
Action	Enter valid search criteria.

NAT2530: Invalid file type, file not loaded.

Text	Invalid file type, file not loaded.
Explanation	The file type encountered in the file record is not known to Predict. Therefore the file description has not been loaded.

Action	Create a correct file description record.

NAT2531: Maximum file number must be less than 256.

Text	Maximum file number must be less than 256.
Explanation	One Adabas DATABASE contains max. 255 FILES, i.e. the MAX-FILE parameter must less than 256.
Action	Enter a number less than 256 or set the field to BLANK.

NAT2532: Default conversion performed.

Text	Default conversion performed.
Explanation	If the neccessary conversions from version 1 data are executed the message will be sent

NAT2533: No object in hold.

Text	No object in hold.
Explanation	The rename / renumber function issues several ETs to prevent an overflow of the Adabas hold queue. Control records are written to the Predict file every time an ET is made. If the function abends, Predict is able to backup all transactions of this function successfully. After the whole function is performed, the control records are deleted. This message is issued if no control record was found in the RECOVERY function.

NAT2534: Checkpoint file number must be less than or equal to max-file-no.

Text	Checkpoint file number must be less than or equal to max-file-no.
Explanation	The Adabas Checkpoint file number must be less than or equal to the maximum number of files specified for the data base.
Action	Enter a valid file number or leave the field blank.

NAT2535: Security file number must be less than or equal to max-file-no.

Text	Security file number must be less than or equal to max-file-no.
Explanation	The Adabas security file number must be less than or equal to the maximum number of files specified for the data base.
Action	Enter a valid file number or leave the field blank.

NAT2536: System file number must be less than or equal to max-file-no.

Text	System file number must be less than or equal to max-file-no.
Explanation	The Adabas system file number entered must be less than or equal to the maximum number of files specified for the data base.
Action	Enter a valid file number or leave the field blank.

NAT2537: Natural, security and checkpoint files not different.

Text	Natural, security and checkpoint files not different.
Explanation	The Adabas checkpoint file, security file, and the Natural system file must be unique, i.e. different file numbers must be specified for each file-type.
Action	Enter different file numbers or leave the fields BLANK.

NAT2538: Natural Security file number must be less than or equal to

Text	Natural Security file number must be less than or equal to
Explanation	max-file-nr.
Action	The Natural Security file number must be less than or equal to the maximum number of files specified for the data base. Enter a valid file number or leave the field blank.

NAT2539: End of file reached.

Text	End of file reached.
Explanation	During processing of the browse function, the end of the file has been reached. All of the fields have been processed successfully.
Action	Note: the browse function may be terminated by hitting the correct PF key. Default is PF1.

NAT2540: Predict file number must be le max-file-no.

Text	Predict file number must be le max-file-no.
Explanation	Predict file number must be le max-file-no.
Action	Enter a valid file number or leave blank.

NAT2541: Source field name missing.

Text	Source field name missing.
Explanation	At least one field name must be entered when a phonetic, super- or sub-descriptor is defined.
Action	Enter a valid field name.

NAT2542: A superdescriptor must contain 2 - 5 fields.

Text	A superdescriptor must contain 2 - 5 fields.
Explanation	2 - 5 fields must be entered when defining a superdescriptor in a file. Note that a superdescriptor containing only one field is a subdescriptor.
Action	Enter 2 - 5 fields.

NAT2543: Ending position not entered.

Text	Ending position not entered.
Explanation	For every field in a sub- or super-descriptor, an ending position must be entered. No default values are assumed.
Action	Enter a valid ending position.

NAT2544: No VSAM database in Natural defined.

Text	No VSAM database in Natural defined.
Explanation	If no database id specified at generation DDM for VSAM file or USER VIEW, the first VSAM database number, which is defined in Natural will be assigned. In this case no VSAM database number is defined in Natural.
Action	Contact your DBA.

NAT2545: Starting position not entered.

Text	Starting position not entered.
Explanation	The starting position of a field contained in a sub- or super-descriptor must be entered. No defaults are assumed.
Action	Enter a valid starting position.

NAT2546: Starting position > ending position.

Text	Starting position > ending position.
Explanation	The starting position entered is greater than the ending position.
Action	Enter valid positions.

NAT2547: Field is a periodic group.

Text	Field is a periodic group.
Explanation	A superdescriptor may not contain a field which is defined as a periodic group. However, an element of a periodic group may be contained in a superdescriptor.
Action	Correct the field name.

NAT2548: Field is a group.

Text	Field is a group.
Explanation	A super-, sub-, or phonetic-descriptor may not contain a field which has been defined as a group. However, elements of the group may be part of a descriptor.
Action	Enter a valid field name.

NAT2549: Field is a REDEFINE.

Text	Field is a REDEFINE.
Explanation	A super-, sub-, or phonetic-decriptor cannot be defined by means of a redefined field. The field must be an Adabas field.
Action	Enter a valid field name.

49 Natural System Error Messages 2550-2599

NAT2550: Field is a counter field.

Text	Field is a counter field.
Explanation	A super-, sub-, or phonetic-descriptor may not contain a counter field, e.g., a field which is marked as a counter field (PE-count = "C").
Action	Correct the field name used.

NAT2551: Filler may not be used.

Text	Filler may not be used.
Explanation	A SUPER-, SUB-, OR PHONETIC-DESCRIPTOR may not be defined out of a field with name "FILLER".
Action	Enter a valid field name.

NAT2552: Length of superdescriptor > 126.

Text	Length of superdescriptor > 126.
Explanation	The maximum length of a superdescriptor must be less than or equal to 126 characters, i.e., the sum of the length of all fields contained in a superdescriptor must not exceed 126.
Action	Correct length.

NAT2553: Field is a sub-, super-, or phonetic-descriptor.

Text	Field is a sub-, super-, or phonetic-descriptor.
Explanation	No recursive description can be used for a super-, sub-, or phonetic-descriptor.
Action	Change SOURCE-FIELD of descriptor.

NAT2554: Field not alphanumeric.

Text	Field not alphanumeric.
Explanation	The field was defined as a phonetic descriptor. The source field of a phonetic descriptor must always be alphanumeric.
Action	Enter a field which is alphanumeric.

NAT2555: Specify only one field for subdescriptors.

Text	Specify only one field for subdescriptors.
Explanation	Only one field can be used to define a subdescriptor. A subdescriptor is a descriptor which contains a subfield of one Adabas field only.
Action	Enter only one field name.

NAT2556: Specify only one field for phonetic descriptor.

Text	Specify only one field for phonetic descriptor.
Explanation	A phonetic descriptor contains one field only; this field must be alphanumeric.
Action	Enter only 1 field.

NAT2557: Files found are not Adabas or VSAM files.

Text	Files found are not Adabas or VSAM files.
Explanation	The "related-fields/files-function" can only be executed for an Adabas-file or an Userview (file type "A" or "U"), for a VSAM file or its userview (file type "V" or "W") or for a LOGICAL VSAM file or its userview (file type "L" or "R").
Action	Enter a valid file name.

NAT2558: File entered is not a standard file.

Text	File entered is not a standard file.
Explanation	The function "standard file related field" refers to standard files (file type = "Z"). The file entered is not a standard file.
Action	Enter a standard file name or leave blank.

NAT2559: Member not found.

Text	Member not found.
Explanation	The Natural member cannot be found in the specified source library.
Action	Restart the punch-job with valid member and library names.

NAT2560: Enter "Y", "N", or blank for ciphered.

Text	Enter "Y", "N", or blank for ciphered.
Explanation	Ciphered flag can only be yes (Y) or no (N). Note that a blank means no.
Action	Enter a valid ciphered flag.

NAT2561: No preprocessor abend data found.

Text	No preprocessor abend data found.
Explanation	The preprocessor writes control records to the dictionary. Should the preprocessor abend for any reason, the active reference records must be deleted. This records can be deleted under the control of Predict. No control record was found in the dictionary with the specified search criteria.
Action	Enter valid search criteria.

NAT2562: Invalid file-number (n001-n255).

Text	Invalid file-number (n001-n255).
Explanation	A file must be numbered with a number from 1 to 255. The first digit (n) may be used in Predict as an identifier which identifies the files.
Action	Enter a valid file number.

NAT2563: Security level must be 0-15.

Text	Security level must be 0-15.
Explanation	The Adabas security level for access or update must be between 0 and 15; "0" means "not protected", and "15" gives the highest protection level.
Action	Enter a valid security level.

NAT2564: Invalid file type.

Text	Invalid file type.
Explanation	An invalid file type was entered. Valid file types are: A-Adabas file C-conceptual file I-ISAM L-logical VSAM file O-operating system file P-partitioned data set R-userview on VSAM file S-sequential data set U-user view on Adabas file V-user view on VSAM file W-user view on logical VSAM file Z-standard file
Action	Enter a valid file type.

NAT2565: Member name already used.

Text	Member name already used.
Explanation	At generation time the user requested to store the generated code in a member which is already used for some other file. To prevent the user from overwriting code Predict issues this message and prompts the user to enter a new member and / or library name where the generated code is to be stored.
Action	Enter valid member and library names.

NAT2566: Invalid record format.

Text	Invalid record format.
Explanation	An invalid RECFM was specified. Valid RECFM"s are: F---fixed FB--fixed block V---variable VB--variable blocked VBS-variable blocked standard FBS-fixed block standard U---undefined
Action	Enter a valid RECFM.

NAT2567: File number already exists. New file number assigned.

Text	File number already exists. New file number assigned.
Explanation	During the load process of files Predict checks whether the file number of the file to be loaded is available. If the file number is already assigned to another file Predict seeks for the next free file number and assignes this one to the file to be loaded.

NAT2568: Duplicate file number on input data set.

Text	Duplicate file number on input data set.
Explanation	If two master files were found on the input data set having the same number, this message is issued. To prevent inconsistencies the attribute "file type" of the second master file is changed to "conceptual".

NAT2569: Table overflow.

Text	Table overflow.
Explanation	The function "LIST Adabas FIELDS USED BY PROGRAMS" is restricted by the following conditions: no more than 50 user views may be defined to one Adabas file no more than 100 DDMs generated with prefixes are supported no more than 100 fields with same Adabas short name are supported. This message appears if mentioned limits are reached and the process stops.

NAT2570: Natural specification only if language = "N".

Text	Natural specification only if language = "N".
Explanation	The specification of Natural-program Natural-library Natural-file number Natural-database number is only allowed if the language = "N" is entered.
Action	Enter language = "N".

NAT2571: File number already exists.

Text	File number already exists.
Explanation	An attempt was made to add a file which number already exists in the dictionary. The first digit of the file number may be used to distinguish between files in different DATABASES. (Remember: in Predict the file numbers range from n001 to n255).

Action	Change the file number.

NAT2572: User views can only be copied from file type A, U, V, R, L or W.

Text	User views can only be copied from file type A, U, V, R, L or W.
Explanation	An User view can only be created cia the COPY function from another User view or an Adabas or VSAM file. Valid file types are "A", "U", "V", "R", "L" or "W".
Action	Enter a valid file type.

NAT2573: If language = "N" only Natural parameters allowed.

Text	If language = "N" only Natural parameters allowed.
Explanation	If you specify language = "N" only natural program natural library natural file number natural database number could be entered.
Action	Enter only the natural parameters.

NAT2574: File does not exist.

Text	File does not exist.
Explanation	If you want to display the elements which are used and not defined the entered file must exist.

Action	Enter a existing file.

NAT2575: Member- and library name must be specified.

Text	Member- and library name must be specified.
Explanation	In this function of the subsystem "Maintenance generated code" the Member- and library name must be specified.
Action	Enter Member- and/or library name.

NAT2576: Unknown programming language.

Text	Unknown programming language.
Explanation	An invalid language was entered during program or module addition or modification. Valid languages are: B---BAL(assembler) C---COBOL P---PL/1 N---Natural (only for a program entry) " "--(blank) other
Action	Enter a valid language.

NAT2577: Only "B", "O" or blank allowed.

Text	Only "B", "O" or blank allowed.
Explanation	The mode can only be O (online) or B (batch).

Action	Enter a valid mode.

NAT2578: The related Adabas field does not exist.

Text	The related Adabas field does not exist.
Explanation	An attempt was made to reference an Adabas field that does not exist in the related Adabas file.
Action	Enter a valid Field ID or leave blank.

NAT2579: File is not an Adabas file.

Text	File is not an Adabas file.
Explanation	The related Adabas file must be a file of file type "A".
Action	Enter a valid File ID or leave blank.

NAT2580: A filler may be used in REDEFINEs only.

Text	A filler may be used in REDEFINEs only.
Explanation	Predict recognizes the field type filler, but it may only be specified in a REDEFINE. It is not possible to define fillers for basic fields.
Action	Do not use fillers when defining basic (real) fields.

NAT2581: Only "C", "I", and blank are valid types.

Text	Only "C", "I", and blank are valid types.
Explanation	For a relationship entry, the type may only be C (coupled in Adabas), I (implicit) or blank (implicit).
Action	Enter a valid type.

NAT2582: File 1 or 2 missing.

Text	File 1 or 2 missing.
Explanation	A relationship can only be established between 2 files: enter a file name.
Action	Enter a file name.

NAT2583: Purge for automatic rule not allowed.

Text	Purge for automatic rule not allowed.
Explanation	Before a automatic rule can be purged, all connections to the fields must be released and the DDM"s of the corresponding files must be regenerated. If no connection between verification and field is active, the status will be changed to conceptual. Then the rule can be purged.
Action	Release connection between verification and fields and regenerate DDM"s of corresponding files.

NAT2584: Relation field 1 or 2 does not exist.

Text	Relation field 1 or 2 does not exist.
Explanation	A relationship can only be established between 2 fields within 2 different files. If the file exists, the field must exist in the file, too.
Action	Enter a valid relationship field.

NAT2585: In BATCH needed countersignatures not possible.

Text	In BATCH needed countersignatures not possible.
Explanation	You are authorized to modify this file, but you need a countersignature. This is in Batch not possible.
Action	Generate DDM online.

NAT2586: Field 1 or 2 missing.

Text	Field 1 or 2 missing.
Explanation	A relationship can only be established between 2 fields: Enter a field name.
Action	Enter a relationship field.

NAT2588: File is not a predict file.

Text	File is not a predict file.
Explanation	The specified file is not a predict file.
Action	Enter the correct filenumber.

NAT2589: Formatbuffer for input file is empty.

Text	Formatbuffer for input file is empty.
Explanation	At generation ADACMP definitions an input file id was entered. This file should describe the input data for the ADACMP utility, but no formatbuffer was generated.
Action	Check input file for corresponding fields to the Adabas file.

NAT2590: Usage must be "ACC" or "UPD".

Text	Usage must be "ACC" or "UPD".
Explanation	The usage of a user can only be ACC (access only) or UPD (update).
Action	Enter a valid usage code.

NAT2591: Invalid verification type.

Text	Invalid verification type.

Explanation	The verification type can only be: R-range E-equal L-less G-greater U-user routine T-table
Action	Enter a valid verification type.

NAT2592: Type = blank required for REDEFINE group.

Text	Type = blank required for REDEFINE group.
Explanation	The field-type of a REDEFINE member must be BLANK.
Action	Enter a blank.

NAT2593: Standard field name is...

Text	Standard field name is...
Explanation	The field referenced is a standard field. i.e. the field name cannot be changed. By using the RENAME function, the name of the standard field can be changed and now all related field names are rippled.
Action	Either do not change the field name or use the RENAME function.

NAT2594: Formats "I" and "F" require option "FI".

Text	Formats "I" and "F" require option "FI".
Explanation	By Adabas definition, an integer field requires the option "FI". The same is true for a floating point field.
Action	Enter option "FI".

NAT2595: No Adabas name allowed for REDEFINITIONS.

Text	No Adabas name allowed for REDEFINITIONS.
Explanation	A member of a REDEFINE group may not contain an Adabas name.
Action	Delete Adabas short name.

NAT2596: Length of descriptor is greater than 126.

Text	Length of descriptor is greater than 126.
Explanation	By Adabas definition, the maximum length for a descriptor field is 126 bytes.
Action	Either make the field length less than or equal to 126, or do not flag it as a descriptor.

NAT2597: New user id assigned.

Text	New user id assigned.
Explanation	During the loading of Predict version 1 data this message will be sent because the concept of users has changed in Predict version 2 and a new userid is assigned to the user entry.

NAT2598: Binary length > 126 not allowed.

Text	Binary length > 126 not allowed.
Explanation	By Adabas definition, the maximum length of a binary field cannot exceed 126.
Action	Enter a length less than or equal to 126.

NAT2599: Adabas field is not a descriptor.

Text	Adabas field is not a descriptor.
Explanation	The related field in the Adabas file is not defined as a descriptor.
Action	Do not enter the descriptor option.

50 Natural System Error Messages 2600-2649

NAT2600: REDEFINE group cannot have option.

Text	REDEFINE group cannot have option.
Explanation	The SUPPRESSION option can only be defined for an existing Adabas field, not for a redefined field.
Action	Clear the SUPPRESSION option.

NAT2601: Level may only be incremented by 1.

Text	Level may only be incremented by 1.
Explanation	The Adabas level number can be incremented only after a group, a PE-group, or a REDEFINE definition. The increment may not exceed 1.
Action	Enter a valid level number.

NAT2602: Group without field found.

Text	Group without field found.
Explanation	The group defined does not contain any elementary fields.
Action	Hit enter to return to the editor.

NAT2603: Field type must be "GR","MU","PE","RE" or blank.

Text	Field type must be "GR","MU","PE","RE" or blank.
Explanation	An invalid field type was entered. Valid field types are: GR -- (group) MU -- (multiple value field) PE -- (periodic group) RE -- (redefined field) " " -- (elementary field)
Action	Enter a valid type.

NAT2604: Format must be A, F, N/U, B, P, US, PS, NS.

Text	Format must be A, F, N/U, B, P, US, PS, NS.
Explanation	An invalid format was specified. Valid field formats are: A--alphanumeric F--fixed point N--numeric U--unpacked (same as numeric) B--binary P--packed I--integer PS-packed signed NS-numeric signed US-unpacked signed

Action	Enter a valid format.

NAT2605: Option must be "NU", "FI", or blank.

Text	Option must be "NU", "FI", or blank.
Explanation	The valid Adabas SUPPRESSION options are only the following: NU -- null suppression FI -- fixed " " -- normal suppression
Action	Enter a valid SUPPRESSION option.

NAT2606: Descriptor must be DE, SB, SP, PH, UQ, PR, AL, SV, SA, blank.

Text	Descriptor must be DE, SB, SP, PH, UQ, PR, AL, SV, SA, blank.
Explanation	For Adabas, the following descriptor types exist: DE -- descriptor SP -- superdescriptor SB -- subdescriptor PH -- phonetic descriptor UQ -- unique descriptor " " -- field is not a descriptor and for VSAM the descriptor types known are: PR -- primary key AL -- alternate key SV -- super/sub descriptor SA -- alternate super/sub descriptor.
Action	Either enter a valid descriptor type or leave blank.

NAT2607: The level number is not numeric.

Text	The level number is not numeric.
Explanation	The level number must be a numeric value; do not enter a nonnumeric value for the level number.
Action	Enter a valid level number, i.e., a number between 0 and 9.

NAT2608: Offset name missing.

Text	Offset name missing.
Explanation	Offset name for equivalence statement must be specified.
Action	Enter valid offset name.

NAT2609: No more than 7 trailing decimal digits allowed.

Text	No more than 7 trailing decimal digits allowed.
Explanation	More than seven (7) decimal digits have been entered to the right of the decimal point; the maximum is 7.
Action	Truncate.

NAT2610: Maximum number of numeric digits is 27.

Text	Maximum number of numeric digits is 27.

Explanation	The number of significant digits exceeds 27, i.e. sum of digits to the right and to the left of the decimal point greater 27.
Action	Reduce the number of significant digits.

NAT2611: Field not found in master file.

Text	Field not found in master file.
Explanation	The corresponding field with the given ABABAS short name in the user view was not found in the related master file. A master file for an user view (file type = "U") is the correponding Adabas file, for a VSAM user view (file type = "W") is the corresponding VSAM file and for a view of a logical VSAM file (file type = "R") the corresponding logical vsam file. Only GROUP-fields may not have corresponding fields in the master file.
Action	Correct error.

NAT2612: Error in CMRNS - Response code:

Text	Error in CMRNS - Response code:
Explanation	The rule, which should be activated, is stored with the module CMRNS. In this module an error occurred. If the first 3 character are "NAT", a Natural error occurred.
Action	Check error or see DBA.

NAT2613: Duplicate field name found.

Text	Duplicate field name found.
Explanation	The field name must be unique within a file.
Action	Select a unique field name.

NAT2614: No rule of verification found.

Text	No rule of verification found.
Explanation	At generation DDM a verification of status conceptual or automatic should be generated/regenerated, but to the verification no rule is stored.
Action	Contact DBA.

NAT2615: Objects unloaded completely.

Text	Objects unloaded completely.
Explanation	All objects of a class unloaded successfully on work file 1.

NAT2616: Length must be given.

Text	Length must be given.
Explanation	Predict does not support fields of length zero with the exception of PE-group and group definitions, which must be defined with no length definition. The elementary fields in a group must have a length attribute.

Action	Enter a valid length defintion.

NAT2617: Decimal digits not allowed for alpha field.

Text	Decimal digits not allowed for alpha field.
Explanation	Decimal digits only allowed for fields of format "NUMERIC" or "PACKED".
Action	Enter a valid length definition.

NAT2618: Maximum field length for alpha is 253.

Text	Maximum field length for alpha is 253.
Explanation	Correct error.

NAT2619: No Adabas name specified.

Text	No Adabas name specified.
Explanation	With the exception of members of REDEFINE groups, all fields either in an Userview or in an Adabas file must have an Adabas short name.
Action	Specify a short name.

NAT2620: Standard descriptor is ...

Text	Standard descriptor is ...
Explanation	This field is related to a standard file. Its descriptor attribute is defined in the standard file and cannot be changed. Examples of the descriptor attributes which can be given are as follows:
Action	UQ, DE, SP, SB, and PH. Do not change this standard attribute; enter the option shown in the message.

NAT2621: Master field descriptor is ...

Text	Master field descriptor is ...
Explanation	The type of the Adabas descriptor is invalid. Super-, sub- or phonetic-descriptors cannot be altered in an Userview. These descriptors must be identical to those defined in the original file, except for the descriptor types "UQ" and "DE", which may be erased in an Userview. The VSAM descriptor type in an USER VIEW must be the same as in the physical/logical VSAM file.
Action	Enter the descriptor type shown is the message.

NAT2622: Descriptor must be same as Adabas.

Text	Descriptor must be same as Adabas.
Explanation	The field has been copied from an Adabas file. It must therefore have the same descriptor option as the original field in the Adabas file.

Action	Do not change the descriptor option.

NAT2623: Standard option is ...

Text	Standard option is ...
Explanation	The entered option differs from the standard field.
Action	Enter the displayed standard option or mark the field as nonstandard.

NAT2624: Adabas suppression option entered not valid.

Text	Adabas suppression option entered not valid.
Explanation	The Adabas SUPPRESSION option in the Userview is not the same as in the Adabas file.
Action	Enter the displayed option.

NAT2625: Format "A" cannot be changed.

Text	Format "A" cannot be changed.
Explanation	Adabas does not support data conversion from alphanumeric to numeric. The format of field in the master file is "A" (alphanumeric), i.e. the format of the corresponding fields in the USER VIEWs must be also "A".
Action	Enter "A" in the format definition.

NAT2626: Field cannot be a descriptor.

Text	Field cannot be a descriptor.
Explanation	Fields of a REDEFINE group or COUNTER fields can not be defined as descriptor.
Action	Correct error.

NAT2627: Option "U" only for files allowed.

Text	Option "U" only for files allowed.
Explanation	The entered option is not allowed for this object type. Take a look at the help screens for the allowed options combination.
Action	Check file options.

NAT2628: Adabas NAME not valid.

Text	Adabas NAME not valid.
Explanation	The first character of an Adabas name must be alpha. The second character can be either numeric or alpha. Note that the Adabas name is two characters long, and remember: Adabas short names "E0" through "E9" are not valid because these short names specify edit masks.
Action	Enter a valid Adabas name.

NAT2629: Duplicate Adabas field name found.

Text	Duplicate Adabas field name found.
Explanation	A duplicate Adabas field name was encountered during the CATALOG function. The field names must be unique in the Adabas file. In an Userview, however, the Adabas short names may be specified more than once.
Action	Enter an unique Adabas field name.

NAT2630: Adabas name cannot be "E0" through "E9".

Text	Adabas name cannot be "E0" through "E9".
Explanation	The Adabas short names cannot be E0 through E9. E0-E9 are reserved words which specify edit masks.
Action	Enter a short name different from E0-E9.

NAT2631: Unpacked field may not be fixed.

Text	Unpacked field may not be fixed.
Explanation	With Adabas, unpacked fields may not have a fixed format.
Action	Change the option.

NAT2632: Level must be ...

Text	Level must be ...
Explanation	The maximal level number for a field is 7, if an Adabas file or Adabas USER VIEW is involved. The field level of other files may be 1-9.
Action	Enter a correct level number.

NAT2633: Active References not installed.

Text	Active References not installed.
Explanation	The selectable unit ACTIVE REFERENCES is not installed in your environment. This message is issued because you tried to invoke the active reference menues via the main menu or via the command processor.
Action	Install the selectable unit ACTIVE REFERENCES.

NAT2634: Length of REDEFINITION longer than basic field.

Text	Length of REDEFINITION longer than basic field.
Explanation	A REDEFINE group cannot be longer than the basic field, i.e. the sum of the field lengths must equal to the length of the redefined field.
Action	Correct error.

NAT2635: REDEFINE group shorter than basic field.

Text	REDEFINE group shorter than basic field.
Explanation	A REDEFINE should be at least as long as the basic field, i.e., the sum of the lengths of all fields in the basic field must equal the sum of the lengths of all fields of the REDEFINE.
Action	Check redefinition and define fillers if necessary.

NAT2636: Standard format is ...

Text	Standard format is ...
Explanation	The format entered for the field differs from the format in the standard file.
Action	Enter the standard format or mark the field as nonstandard.

NAT2637: Standard length is ...

Text	Standard length is ...
Explanation	The length entered for the field is different to the standard length.
Action	Enter the correct length or mark the field as non-standard.

NAT2638: Standard adabas name is ..

Text	Standard adabas name is ..
Explanation	The name entered for the field is not the one specified in the standard file.
Action	Enter the standard name or mark the field as nonstandard.

NAT2639: Standard field type is ...

Text	Standard field type is ...
Explanation	The field type entered is not the one specified in the standard file.
Action	Enter the standard field type or mark the field as nonstandard.

NAT2640: An invalid command was entered.

Text	An invalid command was entered.
Explanation	The command entered is invalid. Use the help function to obtain information about the valid commands.
Action	Enter a valid command or use the help function by entering "?".

NAT2641: No object found.

Text	No object found.
Explanation	In a retrieval or display, objects in the dictionary are selected. No object satisfied the specified search criteria.

NAT2642: File not in database.

Text	File not in database.
Explanation	The file requested does not belong to the specified data base.
Action	Enter a valid file name.

NAT2643: Requested user incorporated.

Text	Requested user incorporated.
Explanation	A user has been incorporated into the dictionary.

NAT2644: MODULES / REPORTS without FILES listed successfully.

Text	MODULES / REPORTS without FILES listed successfully.
Explanation	A retrievel was made to find all MODULES or REPORTS without FILES.

NAT2645: File is not a standard file or was not found.

Text	File is not a standard file or was not found.
Explanation	Either the file referenced is not a standard file or it is not defined in the dictionary.
Action	Enter the standard file name.

NAT2646: Field not in file.

Text	Field not in file.
Explanation	The field entered does not belong to the file. This field cannot be copied.
Action	Enter a valid field name.

NAT2647: Field not found.

Text	Field not found.
Explanation	The field entered was not found.
Action	Enter a valid Field ID.

NAT2648: Pf-key must be < 25.

Text	Pf-key must be < 25.

Explanation	Only pf-key 1 thru 24 are supported.
Action	Check pf-key and correct error.

NAT2649: Member already exists.

Text	Member already exists.
Explanation	Generation of copy code did not take place, because the member name of the copy element already exists and the REPLACE option was not set to "Y".
Action	Specify a new member name or use the REPLACE option.

51 Natural System Error Messages 2650-2699

NAT2650: Comment lines range between 0 and 16.

Text	Comment lines range between 0 and 16.
Explanation	No more than 16 comment lines are supported by Predict. The mimimum is zero.
Action	Enter a value between zero and 16.

NAT2651: If gen. FB = "Y", DSECT = "N" and DS/DC = "DC" must entered.

Text	If gen. FB = "Y", DSECT = "N" and DS/DC = "DC" must entered.
Explanation	If a format buffer should be generated, then DSECT="N" must be declared and the DS/DC option must set to "DC".
Action	Enter "N" for DSECT option and "DC" for "DS/DC" option.

NAT2652: Format buffer only for file-type "A" or "U".

Text	Format buffer only for file-type "A" or "U".
Explanation	Format buffers can only be generated for Adabas files or Userviews.
Action	Enter "N" for format buffer.

NAT2653: File not found.

Text	File not found.
Explanation	To generate copy code, a valid file name must be entered.
Action	Enter a valid file name.

NAT2654: Key not allowed for VSAM "RRDS" files.

Text	Key not allowed for VSAM "RRDS" files.
Explanation	The specification of a descriptor type for a VSAM "RRDS" file is not allowed.
Action	Use another file organization or delete the specified key.

NAT2655: Date is invalid.

Text	Date is invalid.

Explanation	The entered date has wrong format or values. The date must be specified in the following format : JJ-MM-DD.
Action	Enter a valid date.

NAT2656: Enter "DS" or "DC".

Text	Enter "DS" or "DC".
Explanation	In the assembler generation, either the "DC" or the "DS" statements are used to define storage. Select the desired statement.
Action	Enter "DS" or "DC".

NAT2657: Enter "Y" or "N".

Text	Enter "Y" or "N".
Explanation	Only "Y" or "N" allowed for this Input-field.
Action	Correct error.

NAT2658: Generated code saved.

Text	Generated code saved.
Explanation	The generated code has been saved as member in the specified library.

NAT2659: Code generated in source area.

Text	Code generated in source area.
Explanation	The generated code is stored in the source area for further editing. The GENERATION function terminates successfully.

NAT2660: Generation terminated abnormally.

Text	Generation terminated abnormally.
Explanation	An error occurred during the generation either of COBOL copy code, of PL/1 include code, of assembler copy code, or of Data Definition Modules. The error has been displayed on the screen preceding this message.
Action	Correct the error and restart the generation.

NAT2661: Duplicate names found.

Text	Duplicate names found.
Explanation	Duplicate names were found during generation of copy code. For example, field names are truncated when they are too long.
Action	Correct field names in the file.

NAT2662: Copycode generation for conceptual and standard files impossible.

Text	Copycode generation for conceptual and standard files impossible.

Explanation	An attempt was made to generate copy code for a conceptual or a standard file. This is not possible since copy code can be generated only for real file types, i.e., Adabas files, Userviews, VSAM, etc.
Action	Do not generate copy code for conceptual or standard files.

NAT2663: Level increment is a number from 1 to 40.

Text	Level increment is a number from 1 to 40.
Explanation	The specified level increment must be in the value range 1 thru 40.
Action	Correct the value of the level increment.

NAT2664: Start level is a number from 1 to 40.

Text	Start level is a number from 1 to 40.
Explanation	Enter a start level greater than zero.

NAT2665: More than one primary key found.

Text	More than one primary key found.
Explanation	Only one element can be specified as primary key.
Action	Modify the primary key definition.

NAT2666: No primary key found.

Text	No primary key found.
Explanation	One primary key must defined for this VSAM file.
Action	Specify one primary key.

NAT2667: Generated code replaced.

Text	Generated code replaced.
Explanation	At generation time Predict checks whether the target library / member where the generated code is to be stored, exists or not. As you told Predict to replace the old code by the recently generated one and Predict found an old code, it has been replaced.

NAT2668: No files need to be regenerated.

Text	No files need to be regenerated.
Explanation	No file modified after generation.

NAT2669: Format may not be alpha for counter field.

Text	Format may not be alpha for counter field.
Explanation	A counter field is a numeric field. The format must be "N", "P", "U", "B" or "I".

Action	Change the format to numeric.

NAT2670: Input file is not an USER VIEW or SEQ. file.

Text	Input file is not an USER VIEW or SEQ. file.
Explanation	In Adabas V5.1 the input data of the ADACMP utility can be described as USER VIEW of the Adabas file or as file of type "S" (sequentiell).
Action	Enter correct file name.

NAT2671: DDM already exists.

Text	DDM already exists.
Explanation	This message is a warning. It has been issued because REPLACE option = "N" has been entered and an older Data Definition Module was found. The existing DDM has not been replaced.
Action	Enter REPLACE option = "Y".

NAT2672: No keys allowed for "PE" or "MU".

Text	No keys allowed for "PE" or "MU".
Explanation	No key definition for periodic groups and multiple fields in vsam files are allowed.
Action	Enter blank in the key field.

NAT2673: Field is not connected to a standard file.

Text	Field is not connected to a standard file.
Explanation	If you mark a field as non-standard and the field is not connected to a standard file this message will be sent.
Action	Delete the non-standard flag.

NAT2674: Database number invalid.

Text	Database number invalid.
Explanation	The Adabas database number must not exceed 254. Database number 255 are reserved for internal use. In Natural V1.2 the database number 254 is reserved for the VSAM database.
Action	Enter a valid database number.

NAT2675: File number (FNR) invalid.

Text	File number (FNR) invalid.
Explanation	Adabas supports only 255 different files.
Action	Enter a number less than 256.

NAT2676: Primary sequence field not in file.

Text	Primary sequence field not in file.
Explanation	The primary sequence field specifies the default descriptor with which the file should be read. This field must belong to the file.
Action	Correct the primary sequence field.

NAT2677: Target database not active.

Text	Target database not active.
Explanation	The target database must be active if Data Definition Modules are generated for it.
Action	Initiate the target database.

NAT2678: Input file is not a USER VIEW of the Adabas file.

Text	Input file is not a USER VIEW of the Adabas file.
Explanation	In Adabas V5.1 the input data of the ADACMP utility can be described as corresponding USER VIEW of the entered Adabas file.
Action	Enter correct INPUT File ID or define input data as USER VIEW of the Adabas file or as sequentiell file.

NAT2679: File ID must be entered.

Text	File ID must be entered.
Explanation	The File ID is a mandatory parameter for this function.
Action	Enter a valid File ID.

NAT2680: Database has no number.

Text	Database has no number.
Explanation	At GENERATION DDM from a file, the specified database-id must have a number, because the DDM depends on the database number. If no database-id is entered, database number 0 is set in the DDM. In this case the database number will be taken at runtime out of the parameter facilities (ADAPARM module, dynam. Natural parameter,..).
Action	Enter a database with a valid number or set database-id to BLANK.

NAT2681: Primary sequence field is not a descriptor.

Text	Primary sequence field is not a descriptor.
Explanation	The primary sequence field defines the default descriptor by which the file should be read. If the primary sequence field is not a descriptor, no valid READ statement results for the default. The Data Definition Module was not generated for this reason.
Action	Enter a valid primary sequence field, i.e., a descriptor.

NAT2682: An Adabas error occurred.

Text	An Adabas error occurred.
Explanation	The listed Adabas response code occurred.
Action	See the DBA.

NAT2683: Enter program name or "*".

Text	Enter program name or "*".
Explanation	If you want to delete the xref data of a program you have to specify the program name or "*". The asterisk should be entered if preprocessor abends data should be deleted.
Action	Enter program name or "*".

NAT2684: Missing command.

Text	Missing command.
Explanation	The conversion for Predict Version 1 data to Predict Version 2 data was invoked in batch mode. As no command was supplied the command processor isssues this message.
Action	Restart the batch session and supply some valid commands.

NAT2685: The DDM to be incorporated is not a VSAM DDM.

Text	The DDM to be incorporated is not a VSAM DDM.
Explanation	You have tried to incorporate a DDM which is not of type VSAM.
Action	Check type of DDM.

NAT2686: File is not security protected.

Text	File is not security protected.
Explanation	The file is not security protected. Therefore, no security definitions can be generated.
Action	Do not generate security definitions for unprotected files.

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.

NAT2688: File is of wrong type.

Text	File is of wrong type.
Explanation	Data Definition Modules can only be generated for Adabas files and Userviews of the Adabas file or VSAM files and their Userviews.
Action	(only files of type "A","U","V","R","L" or "W" allowed) Enter a valid file.

NAT2689: Max. 90 sub-/super-descriptors can be incorporated.

Text	Max. 90 sub-/super-descriptors can be incorporated.
Explanation	The incorporated VSAM DDM contains more than 90 sub-/super-descriptors. Only 90 descriptors can be incorporated.

NAT2690: File is not an Adabas file.

Text	File is not an Adabas file.
Explanation	The generation of ADAWAN/ADACMP or Adabas security definitions can only be executed for Adabas files.
Action	Check file type.

NAT2691: Only F, FB, V, VB, U or blank allowed.

Text	Only F, FB, V, VB, U or blank allowed.

Explanation	The RECORD FORMAT at GENERATION ADAWAN/ADACMP definitions must be: F---fixed FB--fixed blocked V---variable VB--variable blocked U---unblocked " "--not specified
Action	Correct error.

NAT2692: Duplicate file record found.

Text	Duplicate file record found.
Explanation	Predict does not allow duplicate names within the same object types This message is issued, if such an inconsistency is encountered. The duplicate records are deleted by the MIGRATE utility during the unload file process.
Action	Unload and load your file by the MIGRATE utility.

NAT2693: Security definition already exists.

Text	Security definition already exists.
Explanation	If you want to generate a DDM for which a security definition exists this message will be sent.
Action	Change security definiton if necessary.

NAT2694: Cipher-code must be entered.

Text	Cipher-code must be entered.
Explanation	The data should be loaded into the database in ciphered form.
Action	Enter cipher-code or contact your DBA.

NAT2695: The specified objects have been unloaded successfully.

Text	The specified objects have been unloaded successfully.
Explanation	The objects have been unloaded successfully to work file 1.

NAT2696: No object was found.

Text	No object was found.
Explanation	To perform an unload or a load, an Object ID and an object type must be entered. No objects that meet the conditions were found.

NAT2697: Cipher-code is not allowed.

Text	Cipher-code is not allowed.
Explanation	The data should not be laoded into the database in ciphered form.
Action	Reset cipher-code or contact your DBA.

NAT2698: Field length in VSAM file different to field length user view.

Text	Field length in VSAM file different to field length user view.
Explanation	Generally no format overwrite is allowed when using VSAM files. However, you may define an alphanumeric field in a user view which is shorter than the original field, but never a longer one. Numeric fields must have the same attributes as the master field.
Action	Correct error.

NAT2699: Format defined in VSAM file is of a different type.

Text	Format defined in VSAM file is of a different type.
Explanation	When defining a VSAM user view the format of the field can"t be changed, it has to be the same as the format of the field in the master file.
Action	Do not change the format of a field in a user view of a VSAM file.

52 Natural System Error Messages 2700-2749

NAT2700: No ".I", ".W" between X and Y marks.

Text	No ".I", ".W" between X and Y marks.
Explanation	This message is issued, if you are trying to misuse the line commands ".I" or ".W" and ".MX-Y" or ".CX-Y". You may not copy or move the lines between the X and Y mark and try to insert some lines between these two marks at the same time.
Action	Do not try to insert lines between the lines you want to copy or move.

NAT2701: Line subcommand is outside of source lines.

Text	Line subcommand is outside of source lines.
Explanation	The line subcommand entered is outside of the source lines.
Action	Commands may not be entered outside of the source lines.

NAT2702: Line command ".M" without "X" or "Y" found.

Text	Line command ".M" without "X" or "Y" found.
Explanation	This command tells you that the editor recognized the line command ".M" but is missing "X", "Y" or "X-Y". The line command ".M" has three valid forms, namely .MX .MY .MX-Y All other forms are flagged as invalid.
Action	Enter one of the three commands mentioned above when you want to move data.

NAT2703: No line marked "X".

Text	No line marked "X".
Explanation	An edit command referring to a line marked with "X" was entered without any line being so marked.
Action	Mark the desired line with "X".

NAT2704: No line marked "Y".

Text	No line marked "Y".
Explanation	An edit command referring to a line marked with "Y" was entered without any line being so marked.
Action	Mark the desired line with "Y".

NAT2705: Y-position not behind X-position.

Text	Y-position not behind X-position.
Explanation	A line command was entered with two marked lines involved. The line marked with "X" is behind the one marked with "Y".
Action	Reverse the order of the marks.

NAT2706: Copied/moved lines overlap target line.

Text	Copied/moved lines overlap target line.
Explanation	An attempt was made to copy source lines into an area between the source lines.
Action	Do not enter a line command between the lines marked "X" and "Y".

NAT2707: ".J" entered in last line.

Text	".J" entered in last line.
Explanation	The ".J" line command (JOIN) can not be entered in the last line.

NAT2708: An invalid edit command was entered.

Text	An invalid edit command was entered.
Explanation	An invalid edit command was entered. Valid commands are explained in the help screen.

Action	Enter a valid command or "?" for help.

NAT2709: Do not replace to same data.

Text	Do not replace to same data.
Explanation	Do not scan for data and replace it with same data.
Action	Enter different scan and replace strings.

NAT2710: All objects from work file 1 loaded.

Text	All objects from work file 1 loaded.
Explanation	All Predict objects,which are on the work file 1, are loaded by the MIGRATE utility.

NAT2711: Missing DDNAME for VSAM file.

Text	Missing DDNAME for VSAM file.
Explanation	To generate a DDM for a VSAM file a DDNAME must be supplied.
Action	Add the DDNAME to the file definition in Predict.

NAT2712: Rule of mode "REPORT" may not be generated.

Text	Rule of mode "REPORT" may not be generated.

Explanation	The mode is set to "STRUCT" (SM=ON) and it is not permitted to change to "REPORT" mode.
Action	Contact your DDA.

NAT2713: Editing terminated.

Text	Editing terminated.
Explanation	The edit session was terminated due to a user-issued edit command. No update was performed.

NAT2714: No Adabas short name available.

Text	No Adabas short name available.
Explanation	The generation of Adabas short names terminated abnormally, because no more Adabas short names available.
Action	Reduce fields of file.

NAT2715: Standard file updated.

Text	Standard file updated.
Explanation	The standard file has been updated. All elements which are connected to the standard file were updated too (RIPPLING process.)

NAT2716: All fields already in standard file.

Text	All fields already in standard file.
Explanation	You have tried to execute the PUSH BACKWARD function using a file whose fields are already linked to another standard file. No field has been copied to the standard file, because one field can only be linked to one standard file.

NAT2717: Invalid program type.

Text	Invalid program type.
Explanation	Allowed program types are: "F" Fetch program "M" Map "N" Call Subroutine "S" Perform Subroutine
Action	Correct program type.

NAT2718: Source field for sub-/super-/phon- descriptor missing.

Text	Source field for sub-/super-/phon- descriptor missing.
Explanation	During DDM generation an error occured. Either a super descriptor with no source field was found or a source field for a super descriptor was not found in the file. Therefore the generation of the DDM has been aborted.
Action	Check file and correct error.

NAT2719: Do not misuse "change" command.

Text	Do not misuse "change" command.
Explanation	This powerful edit command allows you to change a character string or to replace it with a null value, but not both at the same time.
Action	Either replace with a null value or with a new string.

NAT2720: No RENAME function for standard fields.

Text	No RENAME function for standard fields.
Explanation	Standard fields may not be renamed.
Action	Do not RENAME a standard field.

NAT2721: File is locked by user.

Text	File is locked by user.
Explanation	If the function RENAME or RENUMBER a file terminates abnormally, the file is not released from the locked status.
Action	Start the RECOVERY function of Predict.

NAT2722: Cursor outside source line.

Text	Cursor outside source line.

Explanation	When using the ".S" line command a test is made if the cursors position is in the source line. If not, this message is issued.
Action	When splitting a line, position the cursor to the split point of the source line.

NAT2723: Input-file is locked by user.

Text	Input-file is locked by user.
Explanation	The file, which describes the input data of the ADACMP utility, is lock by the listed user.
Action	Use the Predict RECOVERY function to release the file.

NAT2724: Do not modify deleted lines.

Text	Do not modify deleted lines.
Explanation	In the editor you may delete some fields. These fields remain on the screen, marked as deleted. You may not modify those fields.
Action	Do not modify deleted fields.

NAT2725: Second "REDEFINE" on wrong level.

Text	Second "REDEFINE" on wrong level.
Explanation	The additional "REDEFINE" with the field name "FILLER" has not the same level as the basic field.

Action	Correct error.

NAT2726: Maintain AUTOMATIC or FREE RULE with Natural V2 only.

Text	Maintain AUTOMATIC or FREE RULE with Natural V2 only.
Explanation	Rules with status "AUTOMATIC" or "FREE" are features of Natural V2 and they can only maintained in a Natural V2 environment.
Action	Use Natural V2.

NAT2727: No "SCRATCH" in Natural Security.

Text	No "SCRATCH" in Natural Security.
Explanation	If Natural Security is active, only the function "PURGE DATABASE" is possible. The connected files of the database must be explicitly deleted.
Action	Enter PURGE for function code.

NAT2728: Command .J may not be used in first line of screen.

Text	Command .J may not be used in first line of screen.
Explanation	The command .J joins the current line with the line immediately preceding it. Since no preceding line exists in this case, the command is not executable.
Action	Do not enter command .J in the first line.

NAT2729: Position the cursor to the split point.

Text	Position the cursor to the split point.
Explanation	In order to split a line, the cursor must be positioned to the split point. Hit ENTER to split the line.
Action	Position the cursor to the split point and hit ENTER.

NAT2730: No shift direction specified (+NN,-NN).

Text	No shift direction specified (+NN,-NN).
Explanation	The edit command shift requires one parameter, the direction. This parameter is a signed number which may be omitted; in this case the default value "+3" is assumed.
Action	Enter a shift parameter (+NN, or -NN).

NAT2731: Invalid parameter in line command.

Text	Invalid parameter in line command.
Explanation	Some line commands may have parameter. For example, the line command ".C(NNN)" will copy a line "NNN" times; however the line command ".C(0)" means "copy this line zero times" , which makes no sense. Therefore the message above is issued.
Action	Enter a valid parameter for line command.

NAT2732: X-line must be on the screen for shift.

Text	X-line must be on the screen for shift.
Explanation	To shift a text, it is required that the X-line be on the screen. After the text has been shifted, part of the text should be seen on the screen.
Action	Position to the X-line by entering .X in the command line.

NAT2733: DDM does not exist.

Text	DDM does not exist.
Explanation	DDM specified does not exist; no incorporation can be performed. Either the DDM does not exist or it is cataloged in another Natural system file.
Action	Enter a valid DDM. Ensure that the correct Natural system file has been specified.

NAT2734: Objects loaded completely.

Text	Objects loaded completely.
Explanation	The objects have been loaded into the dictionary.

NAT2735: No Object from work file 1 loaded.

Text	No Object from work file 1 loaded.

Explanation	No object on the input file (Natural work file 1) has been loaded. Possibly the search criteria did not match to any object on the input file or the input file is empty.
Action	Verify the load criteria.

NAT2736: Unkown object-type in group on work file 1.

Text	Unkown object-type in group on work file 1.
Explanation	Each group of objects on the work file is preceeded by a control record. If this control record was not found, this error message has been issued.
Action	Check that the correct control records are written to the sequential file.

NAT2737: All objects from work file 1 loaded.

Text	All objects from work file 1 loaded.
Explanation	This message indicates that all objects have been loaded successfully.

NAT2738: Name + Prefix + Suffix > 32 Characters.

Text	Name + Prefix + Suffix > 32 Characters.
Explanation	The new name of the object has been truncated to 32 characters because the resulting name, the concatenation of name prefix and suffix, was too long.

Action	Do not use such a large prefix and/or suffix.

NAT2739: Warning: no owner loaded.

Text	Warning: no owner loaded.
Explanation	The DDA has set the owner switch to "force". The loaded object must have some owner attributes, but it did not. This message is only a warning.
Action	Please add the required owners to the object.

NAT2740: No description for the object was found.

Text	No description for the object was found.
Explanation	For the specified object no description exists.
Action	Add later the required description to the object.

NAT2741: Object already exists.

Text	Object already exists.
Explanation	An object with the same object-id exists.
Action	Check the object id and correct error.

NAT2742: No available file number found.

Text	No available file number found.
Explanation	An attempt was made to define more than 10 files with the same Adabas file number. The Predict file number is a four-digit number, i.e. a number of the form N001 through N255. The first digit of the Predict file number "N", is used to distinguish between files. The last three digits specify the Adabas file number.
Action	Check whether all files are necessary; delete nonessential files.

NAT2743: DDM incorporated successfully.

Text	DDM incorporated successfully.
Explanation	A DDM not generated by Predict has been incorporated into the dictionary.

NAT2744: File buffer too small.

Text	File buffer too small.
Explanation	The file buffer must be large enough to incorporate a DDM. Since the buffer was too small, the DDM was not incorporated. The file buffer size is specified in the dynamic parameter FSIZE.
Action	Increase the size of the file buffer.

NAT2745: No Object Loaded.

Text	No Object Loaded.
Explanation	There was no object qualified.
Action	Check program and correct error

NAT2746: Object Loaded.

Text	Object Loaded.
Explanation	The object is successfully loaded.

NAT2747: Invalid record found.

Text	Invalid record found.
Explanation	The record, which was read, is invalid, e.g. the length was wrong.
Action	Generate correct records. If the input file was generated by the unload function of MIGRATE utility contact SAG.

NAT2748: File number must be entered.

Text	File number must be entered.
Explanation	In order to incorporate an FDT, a file number is required to establish the relationship between the FDT and the file.

Action	Enter a valid file number.

NAT2749: Warning: KEYWORD not defined.

Text	Warning: KEYWORD not defined.
Explanation	The Predict data are checked during loading. if at that moment no key exists a warning will be send. The KEYWORDs belonging to this data set could be laoded later.
Action	Check the keys after all data loaded.

53 Natural System Error Messages 2750-2799

NAT2750: Warning: OWNER not defined.

Text	Warning: OWNER not defined.
Explanation	During load of Predict data it will be checked that the OWNERS of the loaded object are defined. This message is a warning. Possibly the OWNER records will be loaded afterwards. They must belong to the same data set.
Action	Check the data after all records are loaded.

NAT2751: Object replaced.

Text	Object replaced.
Explanation	During the load process an object description in Predict has been replaced.

NAT2752: File type for file changed to "S".

Text	File type for file changed to "S".
Explanation	If you load a VSAM file, which was stored in Predict Version 1, the file type is set to "S" in Predict Version 2, because some attributes of the VSAM file definition are missing.
Action	Change manually the SEQUENTIAL FILE in a VSAM FILE and add the required attributes.

NAT2753: Adabas field name missing.

Text	Adabas field name missing.
Explanation	During the load process a field without an Adabas short name was laoded. This message is a warning. Some files require to all fields an Adabas short name. The field was loaded, but the file contains now incorrect data. Please define to those fields the Adabas short names.
Action	Correct the invalid field.

NAT2754: FDT incorporated.

Text	FDT incorporated.
Explanation	The FDT has been incorporated successfully.

NAT2755: Master field missing.

Text	Master field missing.
Explanation	If you load a userview and no related Adabas field in Predict Exists, this message will be sent.
Action	Load first the related Adabas file.

NAT2756: Natural Security not installed.

Text	Natural Security not installed.
Explanation	The Natural Security feature is not installed. No Security options are available.
Action	Either do not specify Security options or install the Natural Security System.

NAT2757: First character of PREFIX not alpha.

Text	First character of PREFIX not alpha.
Explanation	The PREFIX must start with an alpha character.
Action	Check prefix and correct error.

NAT2758: Only command VERSIONS allowed.

Text	Only command VERSIONS allowed.
Explanation	Message occurres, if you want to unload predict version 1 data with command "UNLOAD".
Action	Enter command VERSIONS.

NAT2759: No related master file found. File not loaded.

Text	No related master file found. File not loaded.
Explanation	If you want to load a User view and no related Adabas file exists, this message will be sent.
Action	Please load first the Adabas file.

NAT2760: User exit program missing.

Text	User exit program missing.
Explanation	IF a USER EXIT should be activated via the Predict DDA SERVICES the USER EXIT program must exist.
Action	Catalog the user exit program.

NAT2761: Enter "O", "N", "Y", or "F".

Text	Enter "O", "N", "Y", or "F".
Explanation	The possible values of general system default parameters EDIT OWNER/DESCRPTION are O, N, Y or F. See documentation for further information.

NAT2762: File is not locked.

Text	File is not locked.
Explanation	If you use the RECOVER function for a file which is not locked, This message will be sent.
Action	Check FILE-ID.

NAT2763: USER VIEW not loaded, because related MASTER FILE was rejected.

Text	USER VIEW not loaded, because related MASTER FILE was rejected.
Explanation	A USER VIEW should be laoded, but the related MASTER FILE was rejected, because its file number was not unique.
Action	Check the used file numbers.

NAT2764: If pre-processor specified, no Natural data allowed.

Text	If pre-processor specified, no Natural data allowed.

Explanation	Natural parameter data may not be used when deleting active cross references using the Predict pre-processor.
Action	Do not specify Natural data.

NAT2765: If PROGRAM-ID is specified, LIBRARY-ID must be specified too.

Text	If PROGRAM-ID is specified, LIBRARY-ID must be specified too.
Explanation	If you want an evaluation by PROGRAM name, you must also specify the LIBRARY NAME. Its allowed to specify only a LIBRARY name.
Action	Specify library name.

NAT2766: Abend data of preprocessor deleted.

Text	Abend data of preprocessor deleted.
Explanation	Active references will also be stored in the data dictionary if the preprocessor terminates with condition code greater zero. These abend data can be deleted by a special function of DDA SERVICES.

NAT2767: More than 130 fields are undefined.

Text	More than 130 fields are undefined.
Explanation	Maximal 130 fields, which are used but not defined in Predict, are displayed.

Action	Define the used fields in Predict.

NAT2768: Xref data deleted.

Text	Xref data deleted.
Explanation	This message tells you that active crossreference records have been deleted successfully.

NAT2769: Please enter User ID or ".".

Text	Please enter User ID or ".".
Explanation	When using the owner editor, you may enter the owners of an object. If an owner has no users defined, it will be marked with a "?". To define one or more users for such an owner, enter .E in the respective editor line; then enter a User ID for the new user description.
Action	Enter a new User ID or a ".".

NAT2770: SUPER Natural only possible, if file has security definitions.

Text	SUPER Natural only possible, if file has security definitions.
Explanation	IF Natural Security is active, the generation of a SUPER Natural file entry is only possible if also Security definitions for the file are available.
Action	Generate also Security definition. Enter "Y" for Natural Security.

NAT2771: Copy-field ID or Copy-file ID missing.

Text	Copy-field ID or Copy-file ID missing.
Explanation	An attempt was made to copy a field without having specified a Copy-field ID. A field can be copied from one file to another or into the same file by changing its name.
Action	Enter either a Field ID or a File ID.

NAT2772: Start-field ID not found.

Text	Start-field ID not found.
Explanation	The Start-field ID was not found in the file. A valid Start-field ID must be entered in order to copy fields.
Action	Enter a valid Start-field ID.

NAT2773: Start-field ID missing.

Text	Start-field ID missing.
Explanation	No Start-field ID was entered.
Action	Enter a Start-field ID.

NAT2774: Do not specify both Field ID and File ID for start field.

Text	Do not specify both Field ID and File ID for start field.
Explanation	The selection can be performed in two ways: either all fields from one file are displayed for selection, or all files containing the field entered are displayed.
Action	Enter either a Field ID or a File ID; do not enter both.

NAT2775: No SUPER Natural possible if status private.

Text	No SUPER Natural possible if status private.
Explanation	If Natural Security is active and a file is declared as private no generation of a SUPER Natural file entry is possible.
Action	Change status of the file, if necessary.

NAT2776: SUPER Natural file added.

Text	SUPER Natural file added.
Explanation	At generation DDM for the file a SUPER Natural entry has been generated.

NAT2777: Hit enter to return to menu.

Text	Hit enter to return to menu.

Explanation	This message is issued when an error is encountered during the generation of a Data Definition Module; a specific error message is also returned with this message.
Action	Hit enter and the menu will be displayed. Hit enter to go back to menu; correct error.

NAT2778: Invalid offset or length of primary key.

Text	Invalid offset or length of primary key.
Explanation	This error message occurres at generation DDM of logical VSAM file. Offset and length of the primary key in the logical VSAM file must be equate to the offset and length of the primary key in the physical VSAM file in consideration with the length of the Prefix. If the VSAM prefix was not specified at maintenance logical VSAM file, the standard VSAM prefix "file number" will be taken.
Action	Correct offset or length of the primary key in the logical or physical VSAM file.

NAT2779: Incorrect length for primary key.

Text	Incorrect length for primary key.
Explanation	Correct length of the primary key.

NAT2780: Field moved successfully.

Text	Field moved successfully.

Explanation	The field was moved successfully within the file.

NAT2781: Object purge was not confirmed.

Text	Object purge was not confirmed.
Explanation	When an object should be deleted in Predict, the system needs an additional confirmation. In the present case, the user abends the PURGE function and the object still remains in the dictionary.

NAT2782: Object purged successfully.

Text	Object purged successfully.
Explanation	The object description was deleted from the dictionary. All other entries belonging to the object remain in the dictionary.

NAT2783: Object scratched successfully.

Text	Object scratched successfully.
Explanation	The object and all objects belonging to that object have been deleted from the dictionary.

NAT2784: Enter "DELETE" or "SCRATCH" or ".".

Text	Enter "DELETE" or "SCRATCH" or ".".

Explanation	The user has been prompted for an confirmation: if "DELETE" is entered, only the specified object will be deleted; if "SCRATCH" is entered, the object and all its dependent objects will be deleted; if input is ".", no object will be deleted.
Action	Enter the desired option.

NAT2785: Alternate index not on that offset.

Text	Alternate index not on that offset.
Explanation	The defined offset of the alternate index is wrong.
Action	Check offset.

NAT2786: Invalid length of alternate index.

Text	Invalid length of alternate index.
Explanation	The defined length of the alternate index is wrong.
Action	Check length of the alternate index.

NAT2787: No generation for conceptual or standard file allowed.

Text	No generation for conceptual or standard file allowed.
Explanation	The generation of copy code is not allowed for conceptual and standard files. You must copy the file definition to another file, which is not of type standard or conceptual, then you can start the generation.

Action	Check file type or use another file.

NAT2788: No file number available, file not loaded.

Text	No file number available, file not loaded.
Explanation	All file numbers with the same last 3 digits of the specified file number are used. For example the file numbers 0001, 1001, 2001, 3001,....., 9001 all used.
Action	Use another file number.

NAT2789: Invalid Adabas file number, not loaded.

Text	Invalid Adabas file number, not loaded.
Explanation	The last 3 digits of the file number greater 255.
Action	Check file-number and correct error.

NAT2790: Enter "DELETE" or ".".

Text	Enter "DELETE" or ".".
Explanation	The user has been prompted for an confirmation: if "delete" is entered, the specified object will be deleted; if "." is entered, no object will be deleted.
Action	Enter the desired option.

NAT2791: All keywords have relations.

Text	All keywords have relations.
Explanation	Every keyword defined in Predict has relations.

NAT2792: No object was selected.

Text	No object was selected.
Explanation	A menu for selecting an object from a list was displayed, and the user was prompted to select one of the objects. None was marked.

NAT2793: An object was selected.

Text	An object was selected.
Explanation	The user was prompted to select an object from a list. An object was marked by the user. This message indicates that Predict has carried out the selection.

NAT2794: The RENAME function was not performed.

Text	The RENAME function was not performed.
Explanation	After the RENAME function has been invoked, the user did not enter the new name for the object. Therefore, the RENAME function did not take place.

NAT2795: For copy a user view file number cannot change.

Text	For copy a user view file number cannot change.
Explanation	If you copy a user view from an Adabas master file, the file number cannot be changed.
Action	Enter the file number of the master file.

NAT2796: Indicator not "+" OR "-".

Text	Indicator not "+" OR "-".
Explanation	The indicator tells the editor whether the entered line command should be performed after the line ("+") or before the line ("-") where the command was entered. For example, the line command ".W" will open a window after the line where this command has been entered if the value of the indicator is "+" and will open the window before the mentioned line if the value of the indicator is "-".
Action	Enter "+" or "-" for the indicator.

NAT2797: Target file does not exist.

Text	Target file does not exist.
Explanation	An attempt was made to copy a field to a non-existant file.
Action	Enter a valid File ID.

NAT2798: File tested successfully.

Text	File tested successfully.
Explanation	The file was tested against the FDT: no differences between the FDT and the file were found.

NAT2799: File tested with error.

Text	File tested with error.
Explanation	During a test of a file against the FDT, differences were found (for example, a field name in the file was not found in the FDT).
Action	Check file and correct error.

54 Natural System Error Messages 2800-2849

NAT2800: The file entered is not accessible.

Text	The file entered is not accessible.
Explanation	Adabas was unable to gain access to a file. Probable reasons are: - file not in data base; or - authorization level too low to gain access; or - file is locked.
Action	Correct error and retry.

NAT2801: File must be regenerated.

Text	File must be regenerated.
Explanation	The defined Adabas file is not equivalent to the Adabas FDT. Regenerate the Adabas file or change the file definition in Predict.
Action	Regenerate the file.

NAT2802: MODULES/REPORTS do not belong to a PROGRAM.

Text	MODULES/REPORTS do not belong to a PROGRAM.
Explanation	The subobject entered does not belong to any object. This message is issued when, for example, a report declared in the dictionary has no relation to any program.

NAT2803: From-date greater than to-date.

Text	From-date greater than to-date.
Explanation	The specified to-date must always be greater than from-date.
Action	Check entered dates and correct error.

NAT2804: Physical/logical file for userview does not exist.

Text	Physical/logical file for userview does not exist.
Explanation	No physical or logical file for a userview exists.
Action	Create a physical or logical file.

NAT2805: Execution of program stopped with PF-key.

Text	Execution of program stopped with PF-key.
Explanation	The execution of the program has been stopped with a PF-key.

NAT2806: Phys. VSAM file for incorporate LOGICAL VSAM file does not exist.

Text	Phys. VSAM file for incorporate LOGICAL VSAM file does not exist.
Explanation	The physical VSAM file (FILE-TYPE "V") must be defined in the dictionary before the related LOGICAL VSAM file (FILE-TYPE "L") can be incorporated.
Action	Define or INCORPORATE physical VSAM file.

NAT2807: File does not exist.

Text	File does not exist.
Explanation	An attempt was made to RECOVER a non-existent file. Please enter the correct name of the file which is to be recovered.
Action	Enter a valid file name.

NAT2808: File cannot be recovered.

Text	File cannot be recovered.
Explanation	The file is intact. No inconsistencies were detected; therefore, no RECOVER is permitted/necessary.
Action	Do not RECOVER intact files.

NAT2809: Subobjects having no related objects listed successfully.

Text	Subobjects having no related objects listed successfully.
Explanation	At RETRIEVAL, The sub-objects which have no relation to an object were listed, for example: all files which have no related database are listed.

NAT2810: All sub-objects have related objects.

Text	All sub-objects have related objects.
Explanation	At RETRIEVAL, all subobjects,which do not have any related objects were requested. No subobjects met the required condition. For example: all files defined in the dictionary have a relation to a report or a module.

NAT2811: All objects have related subobjects.

Text	All objects have related subobjects.
Explanation	At RETRIEVAL, all objects that do not have any subobjects were requested. No object met the condition. For example: all programs have reports and/or modules.

NAT2812: The object entered has no subobjects.

Text	The object entered has no subobjects.
Explanation	In a RETRIEVAL, an object"s subobjects were requested. This message informes the user that the object has no sub-objects, for example: that a file has no fields.

NAT2813: Objects without subobjects listed successfully.

Text	Objects without subobjects listed successfully.
Explanation	At RETRIEVAL, all objects having no relation to a subobject were requested. These objects have been displayed successfully.

NAT2814: Too many continuation cards. Input skipped:

Text	Too many continuation cards. Input skipped:
Explanation	The command input for Predict in batch is delimited. Under special circumstances some input cards are skipped. The skipped parameters are listed.
Action	Reduce command input.

NAT2815: Overflow occurred. Parameter possibly skipped:

Text	Overflow occurred. Parameter possibly skipped:
Explanation	The command input for Predict in batch is delimited. Under some circumstances an overflow may have occurred and not all parameters are recognized by the command processor. The skipped parameters are listed.
Action	Reduce command input in batch.

NAT2816: Error description displayed.

Text	Error description displayed.
Explanation	In the command line a help request was entered. The error description for the requested error has been displayed.

NAT2817: Command help displayed.

Text	Command help displayed.
Explanation	In the command line a help request was entered. The help description will be displayed.

NAT2818: Internal error in command processor.

Text	Internal error in command processor.
Explanation	An internal error has occurred.
Action	Document the command sequence and contact SAG support.

NAT2819: Object converted.

Text	Object converted.
Explanation	The conversion of an object from version 1 format into version 2 format was executed.

NAT2820: Object has got an old description.

Text	Object has got an old description.
Explanation	Before the conversion is started an old description for the object has been found.

NAT2821: Object has got a new description.

Text	Object has got a new description.
Explanation	Before the conversion is started a description in version 2 format has been found.
Action	Delete the new description or do not start the conversion.

NAT2822: Object conversion listed successfully.

Text	Object conversion listed successfully.
Explanation	The converted objects have been displayed successfully.

NAT2823: For object class "ALL" no ID allowed.

Text	For object class "ALL" no ID allowed.
Explanation	No identification (ID) may be defined when all data of the dictionary should be unloaded or when all unloaded data on the sequential data set should be loaded.

Action	Do not specify any ID when using the command "ALL".

NAT2824: System points to a different library.

Text	System points to a different library.
Explanation	The program implementation pointer consisting of - program id - library - fnr - dbid is not equivalent to the implementation pointer of the system which the program belongs to. The system implementation consists of - library id - fnr - dbid.
Action	Change the implementation pointer of the program.

NAT2825: Keys must be different.

Text	Keys must be different.
Explanation	The specified keywords for an object must be different.
Action	Check specified keys.

NAT2826: Synonyms must be different.

Text	Synonyms must be different.

Explanation	The specified synonyms for an element must be different.
Action	Enter different synonyms.

NAT2827: PF-KEY must be less than 25.

Text	PF-KEY must be less than 25.
Explanation	Predict supports PF-KEY 1 thru PF-KEY 24.
Action	Enter a valid PF-KEY.

NAT2828: Maximum page size is 250.

Text	Maximum page size is 250.
Explanation	The specified page size must be less 251.
Action	Enter a valid page size.

NAT2829: Synonym must be 1...9.

Text	Synonym must be 1...9.
Explanation	Up to 9 synomyms can be specified.
Action	Use only synonym1 thru synonym9.

NAT2830: This user is not defined or was purged.

Text	This user is not defined or was purged.
Explanation	The specified user is not known in Security. For details, consult the Natural Security documentation and the security notes in the Predict Reference documentation.

NAT2831: Invalid password entered.

Text	Invalid password entered.
Explanation	An invalid password was entered. Either an unauthorized user tried to violate the system or the password was misspelled. For details, consult the Natural Security documentation and the security notes in the Predict documentation.
Action	Enter the correct password.

NAT2832: The user is not an authorized owner.

Text	The user is not an authorized owner.
Explanation	An attempt was made to execute a function with an object for which the user must be an authorized owner. For details, see the Natural Security documentation and the security notes in the Predict documentation.

NAT2833: No authorized owners signed with passwords.

Text	No authorized owners signed with passwords.

Explanation	An authorized owner must sign with his password when a function is performed on an object not belonging to the user. For details, see the Natural Security documentation and the security notes in the Predict documentation.

NAT2834: Authorized owners must sign.

Text	Authorized owners must sign.
Explanation	If a function is to be performed on an object not belonging to the user and the user is linked to that object, authorized owners must sign with their passwords. For details, see Natural Security documentation and the security notes in the Predict documentation.

NAT2835: User not authorized to generate this DDM.

Text	User not authorized to generate this DDM.
Explanation	In Natural Security the user is not authorized to generate the Data Definition Module. For details, see the Natural Security documentation and the security notes in the Predict documentation.

NAT2836: No "SCRATCH" because of activated user-exit.

Text	No "SCRATCH" because of activated user-exit.
Explanation	If the user-exit for the purge function is activated, "SCRATCH" of objects is not possible any longer.
Action	Use the "PURGE" function.

NAT2837: Not enough owners available.

Text	Not enough owners available.
Explanation	This message occurs during the purge of an Adabas file, if Security is active. Predict determines the minimum number of security owners of the DDMs related to this Adabas file. For every DDM the owners must sign. Sometimes it might happen, that the established list is not sufficient for Natural Security. In this case, please purge first all related user views and then the Adabas file.
Action	Delete the userviews.

NAT2838: Renumber not allowed for user views.

Text	Renumber not allowed for user views.
Explanation	The function renumber is not allowed for files of type "U" (Userview).
Action	Renumber the Adabas file.

NAT2839: No line marked with ".N".

Text	No line marked with ".N".
Explanation	The edit command "POINT" only makes sense, if a line has been marked with ".N" before.
Action	Mark a line with ".N" before issuing the edit command "POINT".

NAT2840: The fields related to the standard file have been listed.

Text	The fields related to the standard file have been listed.
Explanation	All fields related to the standard file have been displayed on the screen.

NAT2841: File number required.

Text	File number required.
Explanation	The specification of the file number is required.
Action	Enter a file number.

NAT2842: File is not a VSAM file.

Text	File is not a VSAM file.
Explanation	The referenced file is not a VSAM file.
Action	Check input and correct error.

NAT2843: Logical VSAM files only for "KSDS" files.

Text	Logical VSAM files only for "KSDS" files.
Explanation	The creation of logical VSAM files are only allowed if the physical file is of type "KSDS".

Action	Check file type.

NAT2844: No library specified.

Text	No library specified.
Explanation	A member and a library must be specified for the PUNCH command.
Action	Enter a library.

NAT2845: Related File number only allowed for logical VSAM files.

Text	Related File number only allowed for logical VSAM files.
Explanation	If you add a new file the specification of the related file number is only allowed for logical VSAM files.
Action	Enter blank for related file number.

NAT2846: Member punched out on work file 1.

Text	Member punched out on work file 1.
Explanation	The member specified was punched out on work file 1.

NAT2847: Number of lines processed.

Text	Number of lines processed.

Explanation	This message informs the user how many lines were processed.

NAT2848: File number must change.

Text	File number must change.
Explanation	If you change the file type of a userview, the file number must be changed too.
Action	Enter a new file number.

NAT2849: Object not unique.

Text	Object not unique.
Explanation	The truncated object name, which was checked by the command-processor, is not unique.
Action	Correct error.

55 Natural System Error Messages 2850-2899

NAT2850: Do not modify standard attributes.

Text	Do not modify standard attributes.
Explanation	The currently modified field contains standard attibutes. You may not modify those standards unless you mark the field as nonstandard.
Action	Enter the correct attribute or mark the field as nonstandard.

NAT2851: PE-count must be blank or "C".

Text	PE-count must be blank or "C".
Explanation	If "C" is entered, a PE-count field is specified; a blank means that the field is not a counter field. This field-type is used by COBOL, ASM or PL/1 and it contains the number of occurrences of the respective PE-group or MU-field.
Action	Enter blank or "C".

NAT2852: Too many parameters. Retry.

Text	Too many parameters. Retry.
Explanation	More than five commands / parameters have been entered in the editor command line at once.
Action	Do not enter more than five commands / parameters at once.

NAT2853: The nonstandard flag can only be blank or "N".

Text	The nonstandard flag can only be blank or "N".
Explanation	The nonstandard flag defines whether the field is a standard field (flag = " ") or a nonstandard field (flag = "N").
Action	Enter "N" or leave blank.

NAT2854: Field in standard file may not be marked as nonstandard.

Text	Field in standard file may not be marked as nonstandard.
Explanation	If you mark a standard field as nostandard this message will be sent.
Action	Enter the standard option.

NAT2855: Occurrences for multiple value field exceed 191.

Text	Occurrences for multiple value field exceed 191.

Explanation	By Adabas definition, the number of occurrences must not exceed 191.
Action	Enter a number less than 192.

NAT2856: Occurrences for periodic group exceed 99.

Text	Occurrences for periodic group exceed 99.
Explanation	By Adabas definition, the number of occurrences for a periodic group must not exceed 99.
Action	Enter a number less than 100.

NAT2857: Field not found in the file.

Text	Field not found in the file.
Explanation	The field specified does not belong to the file. This message is a warning. The field entered belongs to a group or to a REDEFINE. It is not a real Adabas field.
Action	Enter a valid field name.

NAT2858: Field not of type "PE" or "MU".

Text	Field not of type "PE" or "MU".
Explanation	If the PE-count of a field is flagged with a "C", a second field must be defined as PE- or MU-field with the same Adabas short name or the field must be of type PE or MU.

Action	Correct error.

NAT2859: Invalid line command found.

Text	Invalid line command found.
Explanation	During the edit session an unknown line command has been entered. The valid line commands of each editor are documented in the help screens.
Action	Enter valid line commands.

NAT2860: SP/SB/PH Adabas files descriptors must be defined on level 1.

Text	SP/SB/PH Adabas files descriptors must be defined on level 1.
Explanation	Super-, sub- or phonetic-descriptors must always be defined on level 1 in an Adabas file. Other levels are invalid.
Action	Enter level 1.

NAT2861: Adabas name already exists.

Text	Adabas name already exists.
Explanation	The entered Adabas name is already in use. The Adabas short name within the file must be unique.
Action	Enter an unique Adabas short name.

NAT2862: Format/length option not allowed for group.

Text	Format/length option not allowed for group.
Explanation	For groups, the attributes describing format, length, or suppression options are not allowed.
Action	Leave these fields blank.

NAT2863: Descriptor option not allowed for any group.

Text	Descriptor option not allowed for any group.
Explanation	A group cannot be declared as descriptor.
Action	Leave the field blank.

NAT2864: Adabas Short name cannot be changed.

Text	Adabas Short name cannot be changed.
Explanation	After a short name has been defined, it cannot be changed. The short names are used by Adabas and may belong to several files (i.e., master file and Userviews).
Action	Do not alter the short name.

NAT2865: Related VSAM file already exists.

Text	Related VSAM file already exists.
Explanation	The specified new related VSAM file number already exists.
Action	Enter another related VSAM file number.

NAT2866: Option must not differ from Adabas-option.

Text	Option must not differ from Adabas-option.
Explanation	The suppression option entered in the Userview differs from the option entered in the MASTER Adabas FILE.
Action	Enter the same option as the Adabas-option.

NAT2867: Field type must be equal to the field type in the Adabas file.

Text	Field type must be equal to the field type in the Adabas file.
Explanation	The field type entered for the Userview is not the same as defined in the master Adabas file.
Action	Enter the same field type as in the Adabas file.

NAT2868: Scan value too long or delimiter missing.

Text	Scan value too long or delimiter missing.

Explanation	The "SCAN" command expects a scan value which is not larger than 32 characters or a scan value which is embedded in special characters. The most probable reason for this error is that the scan value begins or ends with a special character. In this case you should enter a scan value which is embedded in delimiter characters.
Action	Enter a valid scan value.

NAT2869: Verification not defined.

Text	Verification not defined.
Explanation	The entered verification-id is not defined in Predict.
Action	Enter a valid verification.

NAT2870: You are not authorized to execute this function.

Text	You are not authorized to execute this function.
Explanation	If Natural Security is active, it is possible that you are not authorized to execute one of the following functions. Add security Purge file Use SUPER Natural Generation of DDM Incorporation DDM
Action	Contact your DDA.

NAT2871: DDM of Physical / Logical VSAM file not yet generated.

Text	DDM of Physical / Logical VSAM file not yet generated.
Explanation	Before you may generate DDMs of user views on VSAM files you must generate the DDM of the master VSAM file.
Action	Generate the DDM of the master VSAM file.

NAT2872: Physical / Logical VSAM file does not exist.

Text	Physical / Logical VSAM file does not exist.
Explanation	The specified file of type "R" (userview of logical VSAM file) has no related Logical VSAM file or the specified file of type "L" or "W" (logical VSAM file or userview of a VSAM file) has no related physical VSAM file.
Action	Check file name.

NAT2873: Physical VSAM DDM must be regenerated.

Text	Physical VSAM DDM must be regenerated.
Explanation	If you want to generate a VSAM DDM for a userview or a logical file and the physical VSAM file has been modified, this message will be sent.
Action	Generate first the DDM for the physical file.

NAT2874: LOGICAL VSAM DDM must be regenerated.

Text	LOGICAL VSAM DDM must be regenerated.
Explanation	If you want to generate a DDM of a user view of a LOGICAL VSAM FILE and the LOGICAL VSAM FILE was modified, this message will be send.
Action	Generate the DDM of the LOGICAL VSAM FILE again.

NAT2875: DDM is not an Adabas DDM.

Text	DDM is not an Adabas DDM.
Explanation	If you tried to incorporate a non Adabas DDM with the function incorporate DDM, this message will be sent. If the DDM is of type VSAM, use the function incorporate VSAM DDM .
Action	Check type of DDM.

NAT2876: Type = application required if lib is specified.

Text	Type = application required if lib is specified.
Explanation	If the library is specified, the type = application is required.
Action	Set type to application

NAT2877: For DBID, FNR: only "*", " " or number allowed.

Text	For DBID, FNR: only "*", " " or number allowed.
Explanation	The specified DBID or FNR contains an invalid character.
Action	Enter valid value.

NAT2878: Improper combination of dbid, fnr, lib and map

Text	Improper combination of dbid, fnr, lib and map
Explanation	The specified search criteria is not allowed. Please look at the help screens for the allowed combinations.
Action	Enter valid combination of dbid, fnr, lib and map.

NAT2879: Field without field name found.

Text	Field without field name found.
Explanation	Predict encountered a field definition without a field name. This message is a warning. The record for this field was not unloaded.
Action	Please added the elements of the file containing this field and enter a valid field name before unloading this file again.

NAT2880: DDMs compared.

Text	DDMs compared.
Explanation	The Predict Adabas FILE or User view are compared with the generated Natural DDM.

NAT2881: All DDMs documented in Predict.

Text	All DDMs documented in Predict.
Explanation	This message tells you that all DDMs on the Natural system file are documented in the dictionary and the generation log coincides with the data.
Action	None.

NAT2882: Invalid validation character.

Text	Invalid validation character.
Explanation	The entered validation character is invalid for this language. Look at the help screen for the valid characters.
Action	Enter a valid validation character.

NAT2883: File can only be purged.

Text	File can only be purged.

Explanation	After the copy or load of a file this message occurs. Please delete the file and restart the function.
Action	Delete the file.

NAT2884: Validation characters are....

Text	Validation characters are....
Explanation	The possible validation characters are "_" , "*" , " " and "A" thru "9" for PL/1 "-" , "*" , " " and "A" thru "9" for COBOL
Action	Enter one of the validation characters shown before.

NAT2885: Error in editor. Response code received.

Text	Error in editor. Response code received.
Explanation	While manipulating data in the source area (the buffer used by the editor) an error occured. This error is not recoverable and therefore the execution of the currently active program is stopped.
Action	Document the response code and contact technical support.

NAT2886: Source Area exhausted.

Text	Source Area exhausted.
Explanation	Some functions of Predict write into the editor buffer in order to store there intermediate results. If this buffer is not large enough to hold all data, this message is issued and the execution of the currently active program is stopped. The size of this buffer is determined by the dynamic parameter ESIZE.

Action	Start a new Natural session with a larger ESIZE.

NAT2887: All used files or fields defined.

Text	All used files or fields defined.
Explanation	No file/field is displayed because all used files/fields (active references are existing) are defined.

NAT2888: No field used.

Text	No field used.
Explanation	No field displayed because no field is used.

NAT2889: Implementation pointer already exists.

Text	Implementation pointer already exists.
Explanation	The specified implementation pointer consisting of - program-name - library - fnr - dbid already exists. If you want a unique implementation pointer you must change the specified values.
Action	Check the specified implementation pointer and correct it.

NAT2890: All SUPER Natural files defined in Predict.

Text	All SUPER Natural files defined in Predict.
Explanation	All existing SUPER Natural files are defined in Predict.

NAT2891: Description must be added.

Text	Description must be added.
Explanation	The extended description must be added, if the general system default parameter (DDA services) of the extended description is set.
Action	Add description.

NAT2892: Description can not be purged.

Text	Description can not be purged.
Explanation	If the general system default parameter of the extended description is set to "FORCE", no deletion of the description is possible.
Action	Change general system default parameter if necessary.

NAT2893: At least three lines must be entered.

Text	At least three lines must be entered.
Explanation	If the general system default parameter for the extended description (DDA services) is set, at least 3 lines must be added.

Action	Add 3 lines or change system default parameter.

NAT2894: At least one owner must be added.

Text	At least one owner must be added.
Explanation	If the general system parameter "EDIT OWNER" (via DDA services) is set, at least one owner must be added.
Action	Add one owner or change system default parameter.

NAT2895: Owner list must be cataloged.

Text	Owner list must be cataloged.
Explanation	The added owner list must be confirmed through a CATALOG command.
Action	Enter CATALOG or SAVE.

NAT2896: Owner has no users.

Text	Owner has no users.
Explanation	The general system parameter "Edit Owners of an object" is set to "FORCE". In this case you must link via the editor at least one owner to the DD object. For every owner linked to the DD object at least one user has to be linked to the owner, too.
Action	Enter only owners which have users defined.

NAT2897: Owner id / user name not unique, user id missing.

Text	Owner id / user name not unique, user id missing.
Explanation	Predict requires that the userid,which should be maintained, is unique.
Action	Enter a user id. You may use the select function to determine the correct user id.

NAT2898: No SUPER Natural file.

Text	No SUPER Natural file.
Explanation	The specified file is not a SUPER Natural file.
Action	Check the specified file.

NAT2899: File is not a Natural file.

Text	File is not a Natural file.
Explanation	The specified file is not a Natural file.
Action	Check the entered file.

56 Natural System Error Messages 2900-2949

NAT2900: Object cross-reference displayed.

Text	Object cross-reference displayed.
Explanation	The cross-reference of the requested objects has been displayed.

NAT2901: Internal error.

Text	Internal error.
Explanation	An internal error has occured.
Action	Contact sag support.

NAT2902: Unknown language in preprocessor found.

Text	Unknown language in preprocessor found.

Explanation	A unknown language was found by the preprocessor. The preprocessor terminates abnormally. The preprocessor accepts two input data fields: 1. language 2. program id valid languages are : BAL and ASM,ASSEMBLER COBOL P,PLI,PL1,PL/1,PL/I COBOL,BAL and ASSEMBLER may be truncated.
Action	Correct input data and restart the preprocessor.

NAT2903: No source code as input found.

Text	No source code as input found.
Explanation	No source code found on work file 1.
Action	Check work file 1.

NAT2904: No defaults defined. See DDA.

Text	No defaults defined. See DDA.
Explanation	For an unknown reason the default record is missing.
Action	See DDA. The DDA can add the default record via the DDA services.

NAT2905: To many entries for this command.

Text	To many entries for this command.

Explanation	The number of parameters for a command is restricted. Possibile missing end-exec. The command COPY,FORMAT-BUFFER has 2 parameters The command GENERATE has 12 parameters The command PROGRAM-ID has 1 parameter.
Action	Check parameters.

NAT2906: Entry name to long.

Text	Entry name to long.
Explanation	The given entry was to long. The entry is skipped.
Action	Check entry name.

NAT2907: Invalid command in preprocessor.

Text	Invalid command in preprocessor.
Explanation	Valid preprocessor commands are only : COPY GENERATE FORMAT-BUFFER PROGRAM
Action	Verify command.

NAT2908: Unknown keyword.

Text	Unknown keyword.

Explanation	The entered keyword was not correct. Keyword skipped.
Action	Verify keyword.

NAT2909: No program name found.

Text	No program name found.
Explanation	The preprocessor needs a program name to store the active records. The program name can be specified via: INPUT (second parameter) Preprocessor statement (EXEC Adabas PROGRAM-ID...) Source language statement (see documentation)
Action	Check source code or specify a program name via input.

NAT2910: Numeric data expected.

Text	Numeric data expected.
Explanation	The preprocessor expected a numeric data field, but it was not numeric.
Action	Check input data.

NAT2911: Keyword out of sequence.

Text	Keyword out of sequence.
Explanation	The keywords of a PREPROCESSOR command are in the wrong sequence.

Action	Correct sequence of keywords.

NAT2912: File not found.

Text	File not found.
Explanation	The given file-id is not (or no longer) defined in Predict.
Action	Verify the file-id.

NAT2913: No member generated.

Text	No member generated.
Explanation	For the file was no member generated in Predict. So the copy function could not be executed.
Action	Generate a member for the file and restart the preprocessor or use the generate option of the preprocessor.

NAT2914: More than 1 member generated.

Text	More than 1 member generated.
Explanation	For this file more than 1 members are generated, but the member, which should be taken, not specified.
Action	Specify a member and restart the preprocessor.

NAT2915: Member for this file must be regenerated.

Text	Member for this file must be regenerated.
Explanation	The file is modified after generation and so the member(s) must be regenerated.
Action	Regenerate member and restart the preprocessor.

NAT2916: Member not generated for this file.

Text	Member not generated for this file.
Explanation	The specified member name is not in the generated copy code list of the file.
Action	Verify which members are generated for the file and restart the preprocessor.

NAT2917: No change allowed by DDA.

Text	No change allowed by DDA.
Explanation	The DDA has decided that this value should not be overwritten by the user. The preprocessor has set the value to the default value.
Action	If necessary modify the default value.

NAT2918: Buffer name invalid.

Text	Buffer name invalid.
Explanation	The specified buffer name in the command GENERATE or FORMAT-BUFFER must be vaild according to the rules of the used language in the preprocessor.
Action	Specify a correct buffer name and restart the preprocessor.

NAT2919: Duplicate field names generated.

Text	Duplicate field names generated.
Explanation	During generation one or more fields with the same name have been generated. This error may occure because the resulting length of the field name including prefix and suffix is longer than 32 characters and is truncated to 32 characters.
Action	Regenerate with a shorter prefix and a shorter suffix.

NAT2920: Invalid level number generated.

Text	Invalid level number generated.
Explanation	The generate level was to high for cobol(greater than 49).
Action	Do not specify such a high start-level and level-increment.

NAT2921: Invalid field name generated.

Text	Invalid field name generated.
Explanation	The generated field names are not correct for the source language and the validation character was set to blank.
Action	Specify a synonym for the invalid fields or specify a validation character.

NAT2922: Field without occurrences found.

Text	Field without occurrences found.
Explanation	At least 1 periodic group or multiple value field has been found without an explicit occurrence number. If the file is an Adabas file or an userview the default occurrence number of 99 or 191 is assumed for periodic groups or multiple value fields respectively. In all other cases a default of 1 is assumed.
Action	Supply a value for maximum number of occurrences on field level if defaults are not suitable.

NAT2923: Fields not initialised.

Text	Fields not initialised.
Explanation	Periodic-group-field and multiple-value-fields can not be initialised by the value clause.

NAT2924: Fields with wrong format generated.

Text	Fields with wrong format generated.
Explanation	Fields with wrong format are generated. For example in COBOL the BIT format is not allowed and therefore a CHARACTER format is generated. This message is a warning. Check the generated formats and change it if necessary.
Action	Check generated format.

NAT2925: Field names truncated.

Text	Field names truncated.
Explanation	If the names are to long they have been truncated. If you want to eliminate the truncation use only short names.

NAT2926: Filler generated.

Text	Filler generated.
Explanation	If no name could be found for an object, because there are only invalide characters, a filler is generated. This message is a warning.
Action	Check object name and change it if necessary.

NAT2927: The generated code is missing.

Text	The generated code is missing.
Explanation	The generated code for the copy function was not found. Possibily the code is purged by the user.
Action	Generate/regenerate the member for the file in Predict and restart the preprocessor.

NAT2928: More than one file found.

Text	More than one file found.
Explanation	For the specified search criteria more than one file was found. This message is a warning.
Action	Specify the search criteria.

NAT2929: File name not specified.

Text	File name not specified.
Explanation	For the commands COPY,GENERATE,FORMAT-BUFFER the file name must be specified.
Action	Restart the preprocessor with a specified file name.

NAT2930: File must be recovered.

Text	File must be recovered.

Explanation	A transaction is aborted and therefore the file must be recovered. Use the DDA services to recover the file.
Action	Use the DDA service function to recover the file.

NAT2931: No generation for conceptual file.

Text	No generation for conceptual file.
Explanation	With a conceptual file you cannot start the generation function.
Action	Use another file type for generation.

NAT2932: Start level must be 1 thru 40.

Text	Start level must be 1 thru 40.
Explanation	It is not possible to specify a start level greater 40.
Action	Verify the value for the start level.

NAT2933: Level increment must be 1 thru 40.

Text	Level increment must be 1 thru 40.
Explanation	The specify level increment must be in the value range 1 thru 40.
Action	Correct the value of the level increment and restart preprocessor.

NAT2934: Number of comments must be less than or equal to 16.

Text	Number of comments must be less than or equal to 16.
Explanation	The maximal number of comments is 16. More comments are not allowed.
Action	Modify the number of comments and restart the preprocessor.

NAT2935: Please enter "Y" or "N".

Text	Please enter "Y" or "N".
Explanation	You must specify for the input data "Y" or "N".
Action	Correct input data.

NAT2936: Truncation may only be left, rigth or middle.

Text	Truncation may only be left, rigth or middle.
Explanation	The truncation of object name is possible in following ways: "R" - right positions are truncated "L" - left positions are truncated "M" - middle positions are truncated.
Action	Specify one of this 3 truncation modes.

NAT2937: Format buffer only possible for files of type "A" or "U".

Text	Format buffer only possible for files of type "A" or "U".
Explanation	Only for Adabas files and userviews a format buffer can be generated.
Action	Do not try to generate a format buffer for other files.

NAT2938: Increment + start level must be < 49.

Text	Increment + start level must be < 49.
Explanation	The sum of the specified values for the start and increment level must less than 49.
Action	Modify the values of start and increment level.

NAT2939: Invalid truncation character.

Text	Invalid truncation character.
Explanation	A invalid truncation character was specified.
Action	Verify the truncation character.

NAT2940: No program documentation available.

Text	No program documentation available.

Explanation	The DDA specified in the system defaults that every entry must be described. The preprocessor checks this constraint and rejects the function, if no documentation is available.
Action	Enter a Predict documentation.

NAT2941: Object must be edited.

Text	Object must be edited.
Explanation	If you modify an object and the variable for the edit object in the DDA-Service is set to "Y" or "F", you must edit this object.
Action	Change variable in DDA-services or edit this object

NAT2942: Field will be marked non standard.

Text	Field will be marked non standard.
Explanation	A field will be marked as NON-STANDARD, i.e. it is no longer connected to a standard file and the field will not be modified via rippling process.

NAT2943: Type must be blank for PE counter.

Text	Type must be blank for PE counter.
Explanation	Enter blank for element type.

NAT2944: No override in VSAM.

Text	No override in VSAM.
Explanation	No override of format and length in VSAM is allowed.

NAT2945: Edit mask only allowed for Adabas files and its Userviews.

Text	Edit mask only allowed for Adabas files and its Userviews.
Explanation	The definition of edit masks is only allowed for Adabas files and Userviews.
Action	Enter the edit masks in the Adabas file or in the Userview.

NAT2946: Edit mask must be E1 thru E15.

Text	Edit mask must be E1 thru E15.
Explanation	Only edit mask E1 thru E15 allowed.
Action	Check used edit mask and correct error.

NAT2947: VSAM requires occurrence for PE/MU-FIELDS.

Text	VSAM requires occurrence for PE/MU-FIELDS.
Explanation	The number of occurrences for a periodic group or a multiple field of VSAM file is required.

Action	Specify number of occurrences.

NAT2948: Occurrence number must be same as in master-field.

Text	Occurrence number must be same as in master-field.
Explanation	The number of element-occurrences in a VSAM userview must equal to the occ. of the master-field.
Action	Enter the valid number of occurrences.

NAT2949: No occurrence allowed.

Text	No occurrence allowed.
Explanation	The specification of occurrences is only allowed, if the field type is MU or PE.
Action	Enter blank for number of occurrences.

57 Natural System Error Messages 2950-2999

NAT2950: Only PR, AL, SA, SV allowed for VSAM files.

Text	Only PR, AL, SA, SV allowed for VSAM files.
Explanation	In a VSAM file only PR, AL, SA, SV for the descriptor option allowed.
Action	Change descriptor type.

NAT2951: Primary key only allowed for "KSDS" files.

Text	Primary key only allowed for "KSDS" files.
Explanation	The descriptor type "PR" is only allowed for VSAM "KSDS" files.
Action	Change descriptor type.

NAT2952: No key allowed for RRDS file.

Text	No key allowed for RRDS file.
Explanation	Descriptor type must be blank for RRDS files.
Action	Enter blank for descriptor.

NAT2953: Descriptor or PE count only allowed for Adabas files.

Text	Descriptor or PE count only allowed for Adabas files.
Explanation	The definition of a descriptor or a PE count is only allowed for Adabas files.
Action	Check file type or definiton of descriptor or PE count.

NAT2954: GR-STRUCT only allowed for PE-GROUPS in Adabas files.

Text	GR-STRUCT only allowed for PE-GROUPS in Adabas files.
Explanation	The option GR-STRUCT defines the FORMAT BUFFER layout of the PE-GROUP. GR-STRUCT = " " indicates that a PE-GROUP is to generated as a group which occurs N times as a whole. GR-STRUCT = "N" indicates that the group is to be generated as a group in which each member occurs N times. Option only valid if the file type is "A" (Adabas) or "U" (Userview).
Action	Correct error.

NAT2955: Field not found. hit enter to continue.

Text	Field not found. hit enter to continue.
Explanation	The specified field not found in Predict.
Action	Enter another field, or hit enter to continue. ATTENTION: if you don"t change it an error occured if you want

NAT2956: Field name must be specified.

Text	Field name must be specified.
Explanation	The specified function requires the specification of a field name.
Action	Enter a field name.

NAT2957: Alternate index name (DD name) missing.

Text	Alternate index name (DD name) missing.
Explanation	The name of the alternate index is not specified.
Action	Enter alternate index name.

NAT2958: Transaction backout.

Text	Transaction backout.

Explanation	During the adding of a new file another user stores a file with the same file number. Therefore a transaction backout occurred.
Action	Enter a new file number.

NAT2959: Security access level must be less security update level.

Text	Security access level must be less security update level.
Explanation	The specified security access level of an Adabas file must be less than entered security update level.
Action	Check the entered security level.

NAT2960: Primary sequence field not defined.

Text	Primary sequence field not defined.
Explanation	The primary key of a VSAM file is not defined.
Action	Enter a primary key for the VSAM file.

NAT2961: Primary sequence field not inverted.

Text	Primary sequence field not inverted.
Explanation	The defined primary key is not inverted. May be that you have specified the wrong field as primary key.

Action	Check field.

NAT2962: PREFIX only allowed for FILE TYPE "L".

Text	PREFIX only allowed for FILE TYPE "L".
Explanation	VSAM PREFIX only allowed for files of type "L" (LOGICAL VSAM FILES). The VSAM PREFIX plus the PRIMARY KEY must be equal in length and offset to the PRIMARY KEY of the physical VSAM file (FILE TYPE "V").
Action	Correct error.

NAT2963: VSAM DD name must be specified.

Text	VSAM DD name must be specified.
Explanation	The used function requires the specification of the VSAM DD name.
Action	Enter VSAM DD name.

NAT2964: File has logical files.

Text	File has logical files.
Explanation	Only KSDS files may have related logical VSAM files. You have tried to modify the file organisation attribute of a VSAM file from KSDS to ESDS or RRDS. This attribute change is only allowed, if the KSDS file has no logical files.
Action	Do not change the file organisation attribute of a KSDS file if this file has some related logical files.

NAT2965: Minimum must be less maximum.

Text	Minimum must be less maximum.
Explanation	The entered minimum record size is greater than the maximum record size.
Action	Check entered record size.

NAT2966: Only KSDS files can be compressed.

Text	Only KSDS files can be compressed.
Explanation	The specification of COMPRESSION = "Y" is only allowed for KSDS files.
Action	Enter COMPRESSION = "N".

NAT2967: Invalid VSAM organization.

Text	Invalid VSAM organization.
Explanation	Only KSDS, RRDS or ESDS organizations of VSAM files are allowed.
Action	Enter a valid VSAM organization.

NAT2968: Invalid file compression.

Text	Invalid file compression.

Explanation	Only "Y" or "N" could be specified for the file compression.
Action	Enter "Y" or "N".

NAT2969: Invalid zone specification.

Text	Invalid zone specification.
Explanation	Only the numeric zone specification "F" or "C" of a VSAM file is allowed.
Action	Enter "F" or "C".

NAT2971: Blocksize must be greater than record size.

Text	Blocksize must be greater than record size.
Explanation	It is not allowed to specify a recsize greater blksize for a file.
Action	Check recsize and correct error.

NAT2972: Related number must be specified.

Text	Related number must be specified.
Explanation	If you want to add a new logical VSAM file the specification of the related file number is required.
Action	Enter the related file number.

NAT2973: Related number not found.

Text	Related number not found.
Explanation	The specified related file number of a logical VSAM file could not be found.
Action	Enter the valid related file number.

NAT2974: Related file not a "KSDS" file.

Text	Related file not a "KSDS" file.
Explanation	The specified related file of a logical VSAM file must be a "KSDS" file.
Action	Enter the file number of the related KSDS file.

NAT2975: Related file number only if file-type = "L".

Text	Related file number only if file-type = "L".
Explanation	The specification of a related file number is only allowed if the file is of type "L" (LOGICAL VSAM FILE).
Action	Enter blank for related file number.

NAT2976: Entry point already used.

Text	Entry point already used.
Explanation	Another module with the same entry point already exists.
Action	Modify the entry point name.

NAT2977: Entry points not unique.

Text	Entry points not unique.
Explanation	An entry point with that name already exists.

NAT2978: Invalid Natural pgm,lib name.

Text	Invalid Natural pgm,lib name.
Explanation	The specified program or library name contains an invalid character.
Action	Enter a valid program or library name.

NAT2979: Natural lib only allowed if pgm specified.

Text	Natural lib only allowed if pgm specified.
Explanation	The Natural implementation pointer consisting of - program-id - library - file number - database number could be incompletely specified. But if the library is defined the program-id must exist.

Action	Check Natural implementation pointer.

NAT2980: Natural fnr only allowed if library specified.

Text	Natural fnr only allowed if library specified.
Explanation	The Natural implementation pointer consisting of - program-id - library - file number - database number could be specified incompletely, but if the file number is defined the library name must exist.
Action	Check Natural implementation pointer.

NAT2981: Natural dbid only allowed if fnr specified.

Text	Natural dbid only allowed if fnr specified.
Explanation	The Natural implementation pointer consisting of - program - id - library - file number - database number could be incompletely specified. But if dbid is defined the file number must exist.
Action	Check Natural implementation pointer.

NAT2982: COBOL preprocessor terminates abnormally.

Text	COBOL preprocessor terminates abnormally.
Explanation	PROCEDURE DIVISION not found in the COBOL source program.
Action	Check COBOL source program and correct error.

NAT2983: Punch only allowed if member name specified.

Text	Punch only allowed if member name specified.
Explanation	If direct punch is required the name of the member must be specified.
Action	Enter the name of the member.

NAT2984: SUPER Natural files compared.

Text	SUPER Natural files compared.
Explanation	The SUPER Natural file has been compared with the stored file definition in Predict.

NAT2985: SUPER Natural not installed.

Text	SUPER Natural not installed.
Explanation	If you use a function for which SUPER Natural must be installed this message will be sent.

Action	Install SUPER Natural.

NAT2986: Enter "X" or leave blank.

Text	Enter "X" or leave blank.
Explanation	Each system default marked with "X" can be modified by the user. A space in this field indicates that the default may not be modified.

NAT2987: To file does not exist.

Text	To file does not exist.
Explanation	If you want to copy the file definition from one file to another file, the "TO FILE" must exist.
Action	Add a new file.

NAT2988: TO FILE ID must be specified.

Text	TO FILE ID must be specified.
Explanation	The "TO FILE" must be specified for the copy function.
Action	Enter a valid "TO FILE".

NAT2989: To file must be a standard file.

Text	To file must be a standard file.
Explanation	The copy of a standard file is only allowed if the "TO FILE" is also a standard file.
Action	Enter a valid "TO FILE".

NAT2990: Push backward not allowed for user views.

Text	Push backward not allowed for user views.
Explanation	The push backward function is only allowed for Adabas files.
Action	Modify Adabas file and than use "PUSH BACKWARD".

NAT2991: You are not owner of the DDM.

Text	You are not owner of the DDM.
Explanation	If Natural Security is installed and you are not declared as owner of the DDM, this message will be sent.
Action	Change the Security definition if necessary.

NAT2992: Enter valid function code or valid command.

Text	Enter valid function code or valid command.
Explanation	Enter in the XREF menu one of the indicated function codes or one of the valid commands as described in the help map of the XREF command.

NAT2993: XREF request disallowed by security definition.

Text	XREF request disallowed by security definition.
Explanation	In a Natural security environment the XREF switch can only be set to a value more detailed as defined in the appropriate security profile. The following table shows the valid combinations: definition | request by the XREF command in the sec. | profile | off on force ----------+---------- off | + + + on | - + + force | _ _ +
Action	Check data and correct error or contact the DBA to modify the appropriate security profile.

NAT2994: XREF switch set to FORCE.

Text	XREF switch set to FORCE.
Explanation	For all following catalog processes Natural will check if the program is documented in Predict and CROSS REFERENCE data will be generated.

NAT2995: XREF switch set on.

Text	XREF switch set on.
Explanation	For all following catalog processes Natural will generate CROSS REFERENCE data.

NAT2996: XREF switch set off.

Text	XREF switch set off.
Explanation	For all following catalog processes Natural will not generate any CROSS REFERENCE data. ATTENTION. Existing CROSS REFERENCE DATA of new cataloged programs will be deleted.

NAT2997: Installed Predict version does not support the function.

Text	Installed Predict version does not support the function.
Explanation	The CROSS REFERENCE function will be only supported by a Predict version 2 or higher.
Action	Please contact the DBA to install an appropriate Predict version.

NAT2998: 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.

NAT2999: Program is not documented in Predict.

Text	Program is not documented in Predict.
Explanation	In case the XREF switch is set to FORCE the Natural program to be cataloged must be documented in Predict.
Action	Document the program in Predict.

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

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

NAT3002: Not completely executed. DB/FNR/Subc/Field :1:/:2:/:3:/:4:.

Text	Not completely executed. DB/FNR/Subc/Field .../.../.../....
Explanation	The required function has not been executed completely. For an OP command with command option 2 = E or for an RE command, the specified record buffer length was shorter than the length of the ET data read. The record buffer has been truncated.
Action	Increase the record buffer length or ignore the warning.

NAT3003: An end-of-file or end-of-list condition detected. DB/FNR :1:/:2:.

Text	An end-of-file or end-of-list condition detected. DB/FNR .../....

NAT3009: Last transaction backed out of database :1:. Subcode :2:.

Text	Last transaction backed out of database .... Subcode ....
Explanation	This response is caused by one of the following: - The last user transaction has been backed out by Adabas (ET logic users only) or an exclusive control user (non-ET user) or an access-only user exceeded the non-activity time limit; - The nucleus was abnormally terminated and the user issued a command; - Protection log area was too small and an internal BT was executed; - The Adabas node has been restarted or in an Adabas cluster environment a primary/secondary switch took place; - In high-availability (HA) mode, ADALNK was used as access method instead of the fully supported native ADATCP access method. The ADDITIONS 2 field in the CB contains additional information which is described in details in the Adabas documentation.

Action	Check the appropriate reason.

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 found in ISN buffer. DB/FNR :1:/:2:.

Text	Invalid ISN found in ISN buffer. DB/FNR .../....
Explanation	An ISN = 0 or >= the first free ISN in the ISN buffer was found in the ISN buffer.

Action	Correct the ISN buffer.

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 for S9 command. DB/FNR :1:/:2:.

Text	Invalid ISN buffer length for S9 command. DB/FNR .../....
Explanation	Either the number of ISNs to be sorted as provided in ISN Quantity was 0, or an incorrect SVC number was specified in the link routine.
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.

NAT3040: Syntax error in format buffer. DB/FNR/Field :1:/:2:/:3:.

Text	Syntax error in format buffer. DB/FNR/Field .../.../....
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. The message shows the name of the field being processed when the error was detected.
Action	Check program and DDM and correct error.

NAT3041: Error in format buffer. DB/FNR/subc/field :1:/:2:/:3:/:4:.

Text	Error in format buffer. DB/FNR/Field .../.../....
Explanation	This error may be caused by one or more of the following: - A phonetic, hyper-, or collation descriptor was specified. - A field was specified incorrectly. - An index for a periodic group or multiple-value field was specified incorrectly. - A periodic group was referenced incorrectly. - A count was specified for a field which is not a multiple-value field. - A multiple-value field was indexed incorrectly. Further reasons 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 correct error.

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 .../.../....
	Invalid format buffer. DB/FNR/Subcode .../.../.... The following subcodes may be indicated: 1 The format buffer is invalid for use with an UPDATE (A1) or ADD command (N1/N2). A READ command uses a format buffer from the format pool, previously used by UPDATE or ADD command, and which contains an invalid conversion.

Explanation	12 L option is specified but the format has no LOB section with *-position. 13 The format buffer for an A1 commands with command option 2="T" did not contain a last-update-timestamp system generated field.
Action	Check program and correct error.

NAT3045: PE/MU overflowed when using N-option. DB/FNR/field :1:/:2:/:3:.

Text	PE/MU overflowed when using N-option. DB/FNR/field .../.../....
Explanation	Multiple-value field or periodic group overflowed when using the N option for update. The message shows the name of the field being processed when the error was detected.
Action	Re-design the application.

NAT3046: Mismatch of format buffer usage for supplied CID. DB/FNR :1:/:2:.

Text	Mismatch of format buffer usage for supplied CID. DB/FNR .../....
Explanation	Mismatch of format buffer usage for the supplied command ID. - A test option user has supplied a different format buffer than that of the previous Adabas call. - A non-test option user, using global command IDs, may receive this response when a test option user has supplied an incorrect format buffer for the global command ID. - A command ID of global ID format buffer has been found in the format pool and has a different file number than the file supplied by the caller.; - The file number was changed in subsequent Adabas calls with the same normal or global command ID, independent of the test option.

Action	Check the usage of the command IDs.

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 :1:/:2:.

Text	Compressed record too long. DB/FNR .../....

Explanation	The compressed record was too long for the Data Storage disk device.
Action	Add a new DATA extent with sufficient block size. For more information, please refer to the Adabas documentation.

59 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/Field :1:/:2:/:3:.

Text	Error processing a buffer. DB/FNR/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/Buffer :1:/:2:/:3:.

Text	Record or ISN buffer too small. DB/FNR/Buffer .../.../....
Explanation	The record buffer was too small, or the ISN buffer was too small for a requested multifetch command. The message shows the name of the buffer that was too small.
Action	Check program and correct error, or contact your database administrator. For more information, please refer to the Adabas documentation.

NAT3054: Record buffer too long. DB :1:.

Text	Record buffer too long. DB ....
Explanation	The record buffer for a C5 or ET command was too long. A maximum of 2000 bytes can be written to the checkpoint file.

Action	Check program and correct error, or contact your database administrator.

NAT3055: Format, conversion, truncation error. DB/FNR/Subcode :1:/:2:/:3:.

Text	Format, conversion, truncation error. DB/FNR/Subcode .../.../....
Explanation	Format, length conversion or truncation error occurred while processing field values in the record buffer or value buffer. The value for an FI field is too long or exceeds the border of the FI field. Truncation error of numeric or alphanumeric fields. An attempted format conversion was not possible due to incompatible data formats or other compatibility problems. Further reasons and the subcodes are described in the Adabas documentation.
Action	Correct error in program, or contact your database administrator.

NAT3056: Descriptor value too long. DB/FNR :1:/:2:.

Text	Descriptor value too long. DB/FNR .../....
Explanation	The descriptor value is too large. Descriptor values are limited to 1144 bytes.
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.

NAT3060: Syntax error in search buffer. DB/FNR/Field :1:/:2:/:3:.

Text	Syntax error in search buffer. DB/FNR/Field .../.../....
Explanation	A syntax error was detected in the search buffer. The field given in the short message refers to the name of the field being processed when the error was detected. For more information, please refer to the Adabas documentation.
Action	Check program and correct error.

NAT3061: Error in search/value buffer. DB/FNR/Field :1:/:2:/:3:.

Text	Error in search/value buffer. DB/FNR/Field .../.../....
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. For more information, please refer to the Adabas documentation.
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 specified in search buffer not found. DB/FNR/Sub :1:/:2:/:3:.

Text	CID specified in search buffer not found. DB/FNR/Sub .../.../....
Explanation	The CID value specified in the search buffer was not found.
Action	Check program and correct error.

NAT3072: An overflow occurred in the user queue. DB/FNR :1:/:2:.

Text	An overflow occurred in the user queue. DB/FNR .../....
Explanation	An overflow occurred in the user queue.
Action	Ask your database administrator to increase the value used for the NU parameter.

NAT3073: Overflow in temporary working space. DB/FNR :1:/:2:.

Text	Overflow in temporary working space. DB/FNR .../....
Explanation	An overflow occurred in the temporary working space in which resulting ISN lists are stored. The database administrator may increase the size of the temporary working space.
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: Extent overflow in file control block (FCB). DB/FNR :1:/:2:.

Text	Extent overflow in file control block (FCB). DB/FNR .../....
Explanation	An additional Associator or Data Storage extent was required for a file and the maximum number of extents in the FCB had already been allocated. The last extent is allocated only for a command which is being backed out and for AUTORESTART and ADAREC REGENERATE.
Action	Unload the file and reload it with appropriate initial allocations.

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 :1:/:2:.

Text	No space for ASSO/DATA extent. DB/FNR .../....
Explanation	Sufficient space was not available for a required associator or data storage extent.
Action	Contact your database administrator.

NAT3078: Free space table (FST) overflow. DB/FNR :1:/:2:.

Text	Free space table (FST) overflow. DB/FNR .../....
Explanation	An overflow occurred in the free space table (FST) as a result of ASSO/DATA fragmentation.
Action	Unload files that have allocations adjacent to free blocks and reload them with appropriate initial allocations.

NAT3079: Hyperexit not available. DB/FNR/Nbr/Name :1:/:2:/:3:/:4:.

Text	Hyperexit not available. DB/FNR/Nbr/Name .../.../.../....
Explanation	Hyperexit not available to nucleus. The following information will be returned in the Additions 2 field of the control block: - The two low-order bytes will contain the number of the hyperexit. - The two high-order bytes will contain the name of the hyperdescriptor.
Action	Define the hyperexit and restart the nucleus.

NAT3083: A hyperexit returned an invalid ISN. DB/FNR/Name :1:/:2:/:3:.

Text	A hyperexit returned an invalid ISN. DB/FNR/Name .../.../....
Explanation	A hyperexit routine returned an invalid ISN. The message shows the name of the hyperdescriptor.
Action	Correct the hyperexit routine and restart the database.

NAT3085: Descriptor value table space cannot be allocated. DB/FNR :1:/:2:.

Text	Descriptor value table space cannot be allocated. DB/FNR .../....
Explanation	The descriptor value table space cannot be allocated from the buffer pool.
Action	Increase the size of the LBP parameter, 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: Error creating a collation descriptor key value. DB/FNR :1:/:2:.

Text	Error creating a collation descriptor key value. DB/FNR .../....
Explanation	An error occurred when creating a collation descriptor key value. This can have the following reasons: - Invalid collation descriptor key value used. - Collation descriptor uses an unsupported ICU version. For more information, please refer to the Adabas documentation.
Action	Specify valid values for the creation of the collation descriptor key. Reinvert the collation descriptors.

NAT3088: Insufficient Adabas workpool space. DB/FNR :1:/:2:.

Text	Insufficient Adabas workpool space. DB/FNR .../....
Explanation	Sufficient workpool space was not available, although only one user was active. The PARM values relating to core allocation should be verified by the database administrator.

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.

60 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. The subcodes are generated by Adabas System Coordinator. For more information, please refer to the Adabas response code 101 in the Adabas Messages and Codes documentation.
Action	Proceed as indicated in the Adabas documentation.

NAT3113: The specified ISN was invalid. DB/FNR :1:/:2:.

Text	The specified ISN was invalid. DB/FNR .../....
Explanation	This error may have one of the following reasons: - An HI command was issued with ISN less than MINISN. - An N2 command was issued with ISN either equal to 0 or greater than the MAXISN in effect for file. - An N2 command was issued and the specified ISN was assigned to another record in file. - An A1/A4, L1/L4, E1/E4, or S1/S2/S4 (with FB) command was issued for a non-xistent ISN.

Action	Check program and correct error, or contact your database administrator.

NAT3114: E1 command not allowed or specified with ISN=0. DB/FNR :1:/:2:.

Text	E1 command not allowed or specified with ISN=0. DB/FNR .../....
Explanation	Either a Refresh File function using the E1 command was issued and not allowed or else ISN=0 was specified for the E1 command.

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.

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: ISN already held by another user. DB/FNR/ISN :1:/:2:/:3:.

Text	ISN already held by another user. DB/FNR/ISN .../.../....
Explanation	- An attempt was made to hold an ISN which was in hold status for another user and the R option is specified. - Hold queue is full and the R option is specified. - Hold queue overflow.

NAT3146: Invalid buffer length. DB/FNR/Buffer :1:/:2:/:3:.

Text	Invalid buffer length. DB/FNR/Buffer .../.../....
Explanation	An invalid buffer length was detected by the Adabas interface routine. The buffer name is given with the message.
Action	Contact your database administrator.

NAT3147: User buffer not accessible. DB/FNR :1:/:2:.

Text	User buffer not accessible. DB/FNR .../....
Explanation	User buffer not accessible by the Adabas interface routine.
Action	Check whether the control block, format buffer, value buffer, record buffer and ISN buffer have valid addresses and lengths. Check whether the control block, ISN buffer and record buffer are write protected.

NAT3148: Database :1: not active. Subc :2:.

Text	Database ... 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/Code :1:/:2:/:3:.

Text	Communication error detected. DB/FNR/Code .../.../....
Explanation	A communication error was detected. The Code field contains the system service completion code which caused the error response.
Action	Contact your Adabas administrator.

61 Natural System Error Messages 3150-3199

NAT3150: Too many nuclei used in parallel. DB/FNR/Max :1:/:2:/:3:.

Text	Too many nuclei used in parallel. DB/FNR/Max .../.../....
Explanation	Too many database nuclei have been used in parallel. The Max field shows the maximum number of nuclei allowed in parallel.
Action	Contact your database administrator.

NAT3151: A command queue overflow occurred. DB/FNR :1:/:2:.

Text	A command queue overflow occurred. DB/FNR .../....
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.
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 call has been cancelled. DB/FNR :1:/:2:.

Text	Adabas call has been cancelled by the user. DB/FNR .../....
Action	No action required.

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.

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: Error in inverted list index. DB/FNR/Descriptor :1:/:2:/:3:.

Text	Error in inverted list index. DB/FNR/Descriptor .../.../....
Explanation	An error was detected in an inverted list index; a descriptor value was not found during a delete operation. - The message shows the name of the descriptor that caused the error. - Run the VERIFY option of ADAINV for this descriptor and save the output. - Reinvert the descriptor. - If necessary, restart the database (if this is possible). - Send the following information to your nearest support center: - the output of the VERIFY option of ADAINV; - all available PLOGs; - the FDT of the file containing the error; - if the nucleus crashed, the crash directory.

Action	See explanation.

NAT3167: Error in inverted list index. DB/FNR/Descriptor :1:/:2:/:3:.

Text	Error in inverted list index. DB/FNR/Descriptor .../.../....
Explanation	An error was detected in an inverted list index; a descriptor value was already present during an insert operation. - The message shows the name of the descriptor that caused the error. - Run the VERIFY option of ADAINV for this descriptor and save the output. - Reinvert the descriptor. - If necessary, restart the database (if this is possible). - Send the following information to your nearest support center: - the output of the VERIFY option of ADAINV; - all available PLOGs; - the FDT of the file containing the error; - if the nucleus crashed, the crash directory.
Action	See explanation.

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.

NAT3172: Maximum possible ISN reached. DB/FNR :1:/:2:.

Text	Maximum possible ISN reached. DB/FNR .../....
Explanation	The maximum possible ISN of the file was reached and no more can be allocated.
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.

NAT3176: Inconsistency detected in an inverted list. DB/FNR :1:/:2:.

Text	Inconsistency detected in an inverted list. DB/FNR .../....
Explanation	An inconsistency was detected in an inverted list. 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 indicated DATA storage block. DB/FNR :1:/:2:.

Text	Record not found in indicated DATA Storage block. DB/FNR .../....

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.

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.

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.

62 Natural System Error Messages 3200-3249

NAT3200: Security violation. DB/FNR/Subcode :1:/:2:/:3:.

Text	Security violation. DB/FNR/Subcode .../.../....
Explanation	Security violation detected. The following subcodes may be indicated: 0 Security violation detected. 31 Authentication check in external security system failed.
Action	Supply the correct password and valid credentials for authentication.

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.

NAT3204: Password already in use. DB/FNR :1:/:2:.

Text	Password already in use. DB/FNR .../....
Explanation	The password supplied is already in use.
Action	A password name cannot be changed to an existing one.

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.

NAT3210: Receive buffer lost in NETRDI. DB/FNR :1:/:2:.

Text	Receive buffer lost in NETRDI. DB/FNR .../....
Explanation	A receive buffer was lost in NETRDI.
Action	The DBA may increase the value of the NAB or NC parameter in the NETRDI in the target node.

NAT3211: Only local utility usage allowed. DB/FNR :1:/:2:.

Text	Only local utility usage allowed. DB/FNR .../....
Explanation	A remote utility cannot be executed because OPTIONS=REMOTEUTILITIES is set for the database.
Action	Contact the DBA of the remote database.

NAT3212: Function not implemented in target architecture. DB/FNR :1:/:2:.

Text	Function not implemented in target architecture. DB/FNR .../....
Explanation	Function not implemented in the target architecture.
Action	Execute the utility on the target node.

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 by Adabas user exit. DB/FNR :1:/:2:.

Text	Command rejected by Adabas user exit. 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.

NAT3229: Command queue element ignored, user already active.DB/FNR :1:/:2:

Text	Command queue element ignored, user already active.DB/FNR .../....
Action	Try again later or cancel the current user.

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.

NAT3241: User exit :3: cannot be loaded. DB/FNR/Error :1:/:2:/:4:.

Text	User exit ... cannot be loaded. DB/FNR/Error .../.../....
Explanation	The system cannot load the specified user exit, shared library or dynamic load library, or the specified function does not exist in this shared library or dynamic load library. The number of the ADALNK user exit and the system"s error number are given in the message.
Action	Make sure that you use the correct environment variable for the user exit.

NAT3242: Double allocation error. DB/FNR :1:/:2:.

Text	Double allocation error. DB/FNR .../....
Explanation	A double allocation has been detected between two or more files or a file and the free space table.
Action	Run ADAVFY without any options to find out which parts of which files are affected. Contact technical support with the output from ADAVFY.

NAT3243: Invalid FCB extent detected for file. DB/FNR :1:/:2:.

Text	Invalid FCB extent detected for file. DB/FNR .../....
Explanation	An invalid FCB extent has been detected for a file.
Action	Contact technical support.

NAT3245: Pending utility entries in UCB. DB/FNR :1:/:2:.

Text	Pending utility entries in UCB. DB/FNR .../....
Explanation	Pending utility entries in UCB.
Action	Delete the entries with RESET = UCB before executing RECOVER.

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	Execute the RESET function of ADADBM to remove unused entries from the utility communication block.

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	The utility cannot be restarted. Delete the utility communication block entry and re-run the utility.

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.

63 Natural System Error Messages 3250-3299

NAT3250: Function not yet implemented. DB/FNR :1:/:2:.

Text	Function not yet implemented. DB/FNR .../....
Explanation	Function not yet implemented.
Action	Wait for a later version of Adabas.

NAT3251: Invalid utility call - versions conflict. DB/FNR :1:/:2:.

Text	Invalid utility call - versions conflict. DB/FNR .../....
Explanation	Invalid utility call - versions conflict.
Action	Check whether utilities and database nuclei are of the same version. Contact your nearest support centre.

NAT3252: Invalid subroutine call - coding error. DB/FNR :1:/:2:.

Text	Invalid subroutine call - coding error. DB/FNR .../....
Explanation	Invalid subroutine call - coding error. This response may also be returned on setting the NET-WORK timeout via Adaset Timeout if NET-WORK is not correctly installed.
Action	Contact technical support.

NAT3253: System file not loaded or inconsistent. DB/FNR :1:/:2:.

Text	System file not loaded or inconsistent. DB/FNR .../....
Explanation	System file not loaded or inconsistent.
Action	Check the system files by running ADAVFY.

NAT3255: Insufficient Adabas resources. DB/FNR/Subcode :1:/:2:/:3:.

Text	Insufficient Adabas resources. DB/FNR/Subcode .../.../...
Explanation	The Adabas command could not be processed because not enough Adabas nucleus or operating system resources are available. See the Adabas documentation for the explanation of the subcode.
Action	Contact your database administrator.

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 +1oo) 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.

64 Natural System Error Messages 3300-3349

NAT3300: Internal Adabas error :1: occurred.

Text	Internal Adabas error :1: occurred.
Explanation	Adabas has encountered an internal error.
Action	For more information see: Internal Adabas Error Messages.

NAT3301: The version of Adabas is not valid for database.

Text	The version of Adabas is not valid for database.
Explanation	This version of Adabas is obsolete, it does not correspond to the database. The version of Adabas is too old to run with the database. The database was created with a newer version of Adabas or it was upgraded.
Action	A newer version of Adabas must be used.

NAT3302: Database obsolete for this Adabas version. Use Upgrade utility.

Text	Database obsolete for this Adabas version. Use Upgrade utility.
Explanation	The version of Adabas does not correspond to the database.
Action	Use the upgrade function of Database Services for nonactive databases to convert the database.

NAT3303: Access denied. A single user database is being used.

Text	Access denied. Database already used in single user mode.
Explanation	A database which is used in single user mode cannot be accessed by another user.
Action	Synchronize usage of database.

NAT3304: Multi user database can not be used in single user mode.

Text	Multi user database can not be used in single user mode.
Explanation	A database being used in multi user mode cannot be accessed by another user in single user mode.
Action	Synchronize usage of database.

NAT3305: Path or filename not found.

Text	Path or filename not found.
Action	Check specified path / filename.

NAT3306: The version of Adabas is already valid for database.

Text	The version of Adabas is already valid for database.
Explanation	The version of Adabas already corresponds to the database. It is not neccessary to run the Upgrade utility.
Action	Do not run the Upgrade utility.

65 Natural System Error Messages 3350-3399

NAT3350: Internal Entire DB error :1: occurred.

Text	Internal Entire DB error :1: occurred.
Explanation	Entire DB has encountered an internal error.
Action	For more information see: Entire DB Error Messages.

66 Natural System Error Messages 3400-3449

NAT3400: No :1: database handler available.

Text	No ... database handler available.
Explanation	The database has been defined to be handled by a specific database handler. However, the handler specified is not available.
Action	Make the specific database handler available, or change the database assignment in the global configuration file using the Configuration utility.

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.

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:

Text	Reserved for ICU.

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.

NAT3420: Source area conflict between code point :1: and code page :2:.

Text	Source area conflict between code point ... and code page ....
Explanation	A conversion error occurs either when the source is loaded to the source area or when a changed source area is saved. The source area has Unicode format; conversions between Unicode and code page are necessary for several commands. Possible conflicts: 1. The source is opened with the wrong code page: Define the correct code page either by changing the CP profile parameter or by defining a dedicated code page for this source. 2. The source, which was changed, contains characters which are not in the code page: Either remove characters or change the code page of the source (e.g. to UTF-8) so that all characters can be converted.
Action	See explanation.

NAT3421: Source with code page :1: cannot be opened.

Text	Source with code page ... cannot be opened.
Explanation	This Natural source was saved with a code page which differs from the default code page of the current Natural session. The native Unix editors cannot open this source. You have to open this source with Natural Studio in a SPoD environment.
Action	Open the source with Natural Studio.

NAT3422: Character :1: is not in code page :2:.

Text	Character ... is not in code page ....
Explanation	During compilation a character was detected which is not contained in the code page. Keywords, variable names, constants of format A ("..."), etc., must be in the denoted code page. Unicode characters may only be used in the following context: - constants of format U (U"...") or - characters within the EMU, ICU, LCU and TCU parameters or - within comments.
Action	Either use the corresponding syntax for Unicode characters or check the code page.

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.

67 Natural System Error Messages 3500-3549

NAT3500: Statement not allowed for SQL databases.

Text	Statement not allowed for SQL databases.
Explanation	The following Natural statements are not supported when accessing a SQL database: - GET, GET SAME, GET TRANSACTION DATA, GET RECORD - STORE USING/GIVING NUMBER (ISN) - READ BY ISN
Action	Check program and correct error.

NAT3501: Statement clause not allowed for SQL and XML databases.

Text	Statement clause not allowed for SQL and XML databases.
Explanation	The following Natural statement clauses are not supported when accessing SQL or XML databases: - CIPHER - COUPLED - PASSWORD - RETAIN

Action	Check program and correct error.

NAT3502: Multiple-value field is not allowed for SQL databases.

Text	Multiple-value field is not allowed for SQL databases.
Action	Check program and correct error.

NAT3503: Internal Natural SQL driver error.

Text	Internal Natural SQL driver error.
Explanation	Natural SQL driver has encountered an internal error. Possible reasons are: - Entire Access has not been installed properly or is not accessible. - The provided connect string contains errors. - The provided user-id or password are incorrect.
Action	Please check the above mentioned reasons and correct them. Contact technical support if problem persists.

NAT3504: LFILE support is not available for SQL database.

Text	LFILE support is not available for SQL database.
Explanation	A DDM, that is used to access a SQL database, contains database id 255. Valid values are 1..254.
Action	Change the database id in the DDM and recatalog the Natural program or check the database assignment in the global configuration file, to make sure that database id 255 is not assigned to a SQL database.

NAT3505: Invalid SQLOPTION specified.

Text	Invalid SQLOPTION specified.
Explanation	A invalid SQLOPTION was specified with PROCESS SQL ... << SET SQLOPTION ... >>.
Action	Check program and correct error.

NAT3506: Invalid value supplied for SQLOPTION.

Text	Invalid value supplied for SQLOPTION.
Explanation	An invalid value was specified with PROCESS SQL ... << SET SQLOPTION ... >>.
Action	Check program and correct error.

NAT3507: Datatype not supported for SQL databases.

Text	Datatype not supported for SQL databases.
Explanation	A variable with an invalid datatype has been used in a statement, that accesses an SQL database. For SQL databases only variables of type A, B, F, I, N and P may be used.
Action	Check program and correct error.

NAT3508: DBPROCESS still in use.

Text	DBPROCESS still in use.
Explanation	An SQL statement could not be executed, because the DBPROCESS is still executing another SELECT statement.
Action	Check program and correct error.

NAT3509: Statement not allowed for XML databases.

Text	Statement not allowed for XML databases.
Explanation	The following Natural statements are not supported when accessing an XML database: - GET SAME, GET TRANSACTION DATA, - HISTOGRAM, - FIND FIRST, FIND UNIQUE, - UPDATE, - any SQL statements.
Action	Check program and correct error.

NAT3510: Adabas D error :1: occurred.

Text	Internal Adabas D error :1: occurred.
Explanation	Adabas D has encountered an internal error.
Action	For more information see: Adabas D Error Messages.

NAT3520: ORACLE error :1: occurred.

Text	Internal ORACLE error :1: occurred.
Explanation	ORACLE has encountered an internal error.
Action	For more information see: Internal ORACLE Error Messages.

NAT3530: IBM DB2 error :1: occurred.

Text	IBM DB2 error ... occurred.
Explanation	IBM DB2 has encountered an internal error.
Action	For more information see: IBM DB2 Error Messages.

NAT3540: SQL Server error :1: occurred.

Text	Internal SQL Server error ... occurred.
Explanation	SQL Server has encountered an internal error.
Action	For more information see: SQL Server Error Messages.

68 Natural System Error Messages 3550-3599

NAT3550: MySQL error :1: occurred.

Text	Internal MySQL error ... occurred.
Explanation	MySQL has encountered an internal error.
Action	For more information see: MySQL Error Messages.

NAT3560: PostgreSQL error :1: occurred.

Text	Internal PostgreSQL error ... occurred.
Explanation	PostgreSQL has encountered an internal error.
Action	For more information see: PostgreSQL Error Messages.

NAT3570: ODBC error :1: occurred.

Text	Internal ODBC error :1: occurred.
Explanation	ODBC has encountered an internal error.
Action	For more information see: ODBC Error Messages.

NAT3571: Functionality cannot be used with ODBC.

Text	Functionality cannot be used with ODBC.
Explanation	The following statements cannot be used with ODBC: - CALLDBPROC, - READ RESULT.
Action	Check program and global DBMS assigments.

NAT3580: MariaDB error :1: occurred.

Text	MariaDB error ... occurred.
Explanation	MariaDB has encountered an internal error.
Action	For more information see: MariaDB Error Messages.

NAT3590: ESQ error :1: occurred.

Text	Internal ESQ error :1: occurred.

Explanation	ESQ has encountered an internal error.
Action	For more information see: ESQ Error Messages.

69 Natural System Error Messages 3600-3649

NAT3610: RMS error :1: occurred.

Text	Internal RMS error :1: occurred.
Explanation	RMS has encountered an internal error.
Action	For more information see: RMS Error Messages.

70 Natural System Error Messages 3700-3749

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: Syntax error found in SQLDISCONNECT statement.

Text	Syntax error found in SQLDISCONNECT statement.
Explanation	A syntax error was detected in an SQLDISCONNECT statement.
Action	Correct the SQLDISCONNECT statement.

NAT3741: Already connected to SQL database.

Text	Already connected to SQL database.
Explanation	SQLCONNECT failed, because a connection to an SQL database is already established.
Action	Close the existing connection with SQLDISCONNECT before executing SQLCONNECT.

NAT3742: Syntax error found in SQLCONNECT statement.

Text	Syntax error found in SQLCONNECT statement.
Explanation	A syntax error was detected in an SQLCONNECT statement.
Action	Correct the SQLCONNECT statement.

NAT3743: SQL date/time conversion failed.

Text	SQL date/time conversion failed.
Explanation	SQL date/time conversion failed, because the data to be converted do not correspond to the date/time conversion mask.
Action	Check the mask for SQL date/time conversion which is specified for this DBID.

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.

NAT3745: SQL database connection has been terminated.

Text	SQL database connection has been terminated.
Explanation	In high-availability (HA) mode a connection to an SQL database was terminated due to the termination of the hosting process during terminal I/O.
Action	Assure that the access to an SQL database is finished before a terminal I/O happens. This can be accomplished by using the SQLCONNECT/SQLDISCONNECT statements in the application.

71 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.

NAT4029: Object(s) printed.

Text	Object(s) printed.
Explanation	The object(s) you selected, have been routed to the printer.

Action	No action.

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.

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.

72 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.

73 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.

NAT4108: Scan only allowed on selected Object(s) in active Object List.

Text	Scan only allowed on selected Object(s) in active Object List.
Explanation	Scan works on the marked objects in the active Object List
Action	Select Object(s) and activate Object 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 "*".

74 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.

75 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, ISAM or LEASY.

Text	Alternate index missing for VSAM, ISAM or LEASY.
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.

76 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.

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.

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).

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.

77 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.

78 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 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.

79 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.

NAT4407: End of global variable list.

Text	End of global variable list.
Explanation	All global variables have been displayed successfully.
Action	Check program and correct error.

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: Global variable already exists.

Text	Global variable already exists.
Explanation	While creating a new global variable, or while changing the name of a global variable, another global variable with the same name was found.
Action	Enter a different name for the global variable.

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 3 - dialog 5 - processor (LIST) 8 - adapter (LIST) RES - resource (LIST) * - all object types (LIST) Further objects types are listed in the Natural documentation.
Action	Enter valid command.

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.

NAT4447: Variable definition required following structure definition.

Text	Variable definition required following structure definition.
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.

80 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.

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.

81 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.

82 Natural System Error Messages 4550-4599

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.

83 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").

84 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".

85 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: An internal error occurred.

Text	An internal error occurred.

NAT4710: Memory allocation failed.

Text	Memory allocation failed.
Action	Save your work and try to free computer resources.

NAT4711: Bad object handle detected.

Text	Bad object handle detected.
Explanation	Natural received an object handle that does not identify an object. A programming error in an application has assigned an illegal value to an object handle.
Action	Check and correct program.

NAT4712: Bad value in Attribute type.

Text	Bad value in Attribute type.
Explanation	An illegal value has been assigned by an application program to the Attribute.

Action	Check and correct program.

NAT4713: Invalid value assignment for a SUPPRESS-XXX-EVENT Attribute.

Text	Invalid value assignment for a SUPPRESS-XXX-EVENT Attribute.
Explanation	A value has been assigned to one of the SUPPRESS-XXX-EVENT Attributes that is not permitted.
Action	Consult the documentation for permitted values and correct program accordingly.

NAT4714: Bad parent type.

Text	Bad parent type.
Explanation	The object referred to by the PARENT Attribute is of an incompatible ↩ type. For example, a List Box Item requires a List Box Control as a parent.
Action	Check object type in the documentation.

NAT4715: Bad object handle detected in Attribute SUCCESSOR.

Text	Bad object handle detected in Attribute SUCCESSOR.
Explanation	The Attribute SUCCESSOR does not refer to an object.
Action	Check and correct program.

NAT4716: Natural cannot perform requested action.

Text	Natural cannot perform requested action.
Explanation	A Natural application has tried to perform an operation on an object that does not provide for such an operation.
Action	Consult your documentation for valid operations and correct your program accordingly.

NAT4717: Invalid data type.

Text	Invalid data type.
Explanation	The Natural data type used for the parameter value does not match the type required by Natural.
Action	Consult your documentation for type compatibility and correct your program accordingly.

NAT4718: Invalid font description.

Text	Invalid font description.
Explanation	The font description in the Attribute STRING is invalid.
Action	Check and correct program.

NAT4719: Font handle not valid.

Text	Font handle not valid.
Explanation	The FONT-HANDLE Attribute does not refer to an object of the type Font Control.
Action	Check and correct program.

NAT4720: Bad index or position value specified in NGU subprgm parameter.

Text	Bad index or position value specified in NGU subprgm parameter.
Action	Check and correct program.

NAT4721: Bad start position value specified in NGU subprogram parameter.

Text	Bad start position value specified in NGU subprogram parameter.
Action	Check and correct program.

NAT4722: Bad end position value specified in NGU subprogram parameter.

Text	Bad end position value specified in NGU subprogram parameter.
Action	Check and correct program.

NAT4723: Bad value in parameter "text-length".

Text	Bad value in parameter "text-length".
Explanation	The value in the parameter "text-length" is smaller than the difference between the values of the parameters "start-position" and "end-position".
Action	Check and correct program.

NAT4724: Bad value in parameter "line-from".

Text	Bad value in parameter "line-from".
Action	Check and correct program.

NAT4725: Bad value in parameter "line-to".

Text	Bad value in parameter "line-to".
Action	Check and correct program.

NAT4726: Bad value in parameter "column-from".

Text	Bad value in parameter "column-from".
Action	Check and correct program.

NAT4727: Bad value in parameter "column-to".

Text	Bad value in parameter "column-to".
Action	Check and correct program.

NAT4728: Bad value in parameter "colour-name".

Text	Bad value in parameter "colour-name".
Explanation	This can occur for the Attributes FOREGROUND-COLOUR-NAME or BACKGROUND-COLOUR-NAME.
Action	Consult your documentation for permitted values and correct program accordingly.

NAT4729: Attribute cannot be modified.

Text	Attribute cannot be modified.

NAT4730: Natural could not create window.

Text	Natural could not create window.
Action	Check your program and ensure that you have sufficient system resources.

NAT4731: Natural could not create Dialog Element.

Text	Natural could not create Dialog Element.

Action	Check your program and ensure that you have sufficient system resources.

NAT4732: Attempt to create Menu Item failed.

Text	Attempt to create Menu Item failed.
Explanation	There is an internal limit for the number of Menu Items per menu. Try to limit the number of your menu items to a manageable number. Human engineering studies recommend a maximum of 7.
Action	Check and correct program.

NAT4733: Keyword OBJECT in the handle definition expected.

Text	Keyword OBJECT in the handle definition expected.
Explanation	On non-GUI platforms only object handles (HANDLE OF OBJECT) may be defined.
Action	Check and correct handle definition.

NAT4734: Operand2 must be defined as a handle variable.

Text	Operand2 must be defined as a handle variable.
Action	Check and correct program.

NAT4735: Operand format is not INTEGER or length is invalid.

Text	Operand format is not INTEGER or length is invalid.
Explanation	An operand of format INTEGER is required for this operand. - The dialog id of the OPEN DIALOG, SEND EVENT or CLOSE DIALOG statement does not have format/length (I4). - The GIVING operand of a CREATE OBJECT or SEND METHOD statement does not have format/length I2 or I4.
Action	Correct format/length definition of the operand.

NAT4737: Parameter-name not defined.

Text	Parameter-name not defined.
Explanation	Parameter-name not defined in DEFINE DATA PARAMETER section.
Action	Check and correct program.

NAT4738: Statement/variable/constant not permitted on non-GUI platforms.

Text	Statement/variable/constant not permitted on non-GUI platforms.
Explanation	The program contains elements, such as the OPEN DIALOG statement, that are only applicable to GUI platforms.
Action	Check and correct program.

NAT4739: Invalid Attribute value.

Text	Invalid Attribute value.
Explanation	The value that has been assigned to the Attribute is illegal in this context.
Action	Assign a valid Attribute value.

NAT4740: Incompatible Attribute name specified.

Text	Incompatible Attribute name specified.
Explanation	Attribute name is not in the set of allowed Attributes for the Dialog Element type.
Action	Choose an allowed Attribute for this Dialog Element type.

NAT4741: Invalid Dialog Element type specified.

Text	Invalid Dialog Element type specified.
Explanation	This Dialog Element type is not available.
Action	Consult your documentation and enter a valid Dialog Element type.

NAT4742: Invalid Attribute name specified.

Text	Invalid Attribute name specified.
Action	Consult your documentation and choose an allowed Attribute name.

NAT4743: Attribute must not be queried.

Text	Attribute must not be queried.
Explanation	For this Dialog Element type, you must not query the value of this Attribute.
Action	Correct program.

NAT4744: Attribute must not be modified.

Text	Attribute must not be modified.
Explanation	For this Dialog Element type, you must not modify the value of this Attribute.
Action	Correct program.

NAT4745: Event queue overflow.

Text	Event queue overflow.

Explanation	During a long user interface operation, too many events have occurred. For example, the user has scrolled in a scrollbar by holding down the mouse button for a long time, which has caused too many timer events to occur in the meantime.
Action	When interacting with the user interface, interrupt from time to time.

NAT4746: Format error in dialog definition.

Text	Format error in dialog definition.
Explanation	The dialog editor has detected a format error in the dialog definition. Possible causes: 1) Source data has been corrupted in the storage medium. 2) Source has been generated incorrectly because the source has been edited with another editor or utility. 3) The dialog object has been created and stored with a version of the dialog editor that is incompatible with the current version of the dialog editor.
Action	1) Upgrade your Natural development environment. 2) If a dialog box appears offering you the choice to continue, you may be able to work with the dialog

NAT4747: Format error in dialog source at line :1:.

Text	Format error in dialog source at line :1:.

Explanation	The dialog editor has detected a format error in the dialog source at the line indicated. Possible causes: 1) Source data has been corrupted in the storage medium. 2) Source has been generated incorrectly because the source has been edited with another editor or utility. 3) The dialog object has been created and stored with a version of the dialog editor that is incompatible with the current version of the dialog editor.
Action	1) Upgrade your Natural development environment. 2) If a dialog box appears offering you the choice to continue, you may be able to work with the dialog.

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.

86 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: Unrecognized OCX control.

Text	Unrecognized OCX control.

Explanation	This class is not recognized as an OCX control.
Action	Ensure that the OLE control is entered in the system registry and that the licence file exists in your system.

NAT4753: Unsupported format.

Text	Unsupported format.
Explanation	This format is not supported by Natural.
Action	Correct your program.

NAT4754: Window/dialog element creation failed due to low USER resources.

Text	Window/dialog element creation failed due to low USER resources.
Explanation	The creation of windows and dialog elements consumes system handles to so-called USER objects, which are limited in number by a system-wide per-process quota. If the amount of USER resources free drops below a critical level, Windows may hang or the application may crash. To avoid this, Natural will not create a window or dialog element if it recognizes that less than around 15% of the above USER object quota is still available.
Action	Close some windows (in any application) and retry the failed operation.

NAT4755: Window manager attribute stack overflow.

Text	Window manager attribute stack overflow.

Explanation	An internal stack for storing attribute data is full. The most likely explanation is that too many dialogs of style "dialog box" are open at the same time.
Action	Rewrite the code to reduce the number of concurrently open dialog boxes.

NAT4756: ActiveX control method or event parameter :1: not converted.

Text	ActiveX control method or event parameter ... not converted.
Explanation	The value passed as parameter to an ActiveX control method could not be converted to the format expected by the ActiveX control. The value received as parameter from an ActiveX control method could not be converted to the format expected in the Natural dialog. The value received as parameter from an ActiveX control event could not be converted to the format expected in the Natural event handler. The value passed as parameter in a Natural event handler back to the ActiveX control could not be converted to the format expected by the ActiveX control.
Action	The Natural documentation and online help contain tables that indicate which Natural data formats map to which ActiveX control data formats. Please cunsult these tables and choose a matching Natural data format.

NAT4757: ActiveX control property value or return value not converted.

Text	ActiveX control property value or return value not converted.
Explanation	The value passed as property value to an ActiveX control could not be converted to the format expected by the ActiveX control. The value received as property value from an ActiveX control could not be converted to the format expected in the Natural dialog. The value received as return value from an ActiveX control method could not be converted to the format expected in the Natural dialog.

Action	The Natural documentation and online help contain tables that indicate which Natural data formats map to which ActiveX control data formats. Please consult these tables and choose a matching Natural data format.

NAT4758: ActiveX control raised exception :1:: :2:

Text	ActiveX control raised exception ...: ....
Explanation	The ActiveX control raised an exception with the indicated number and text.
Action	Please consult the documentation of the ActiveX control to find out under which conditions this exception is raised.

NAT4759: ActiveX control returned error code :1:: :2:

Text	ActiveX control returned error code ...: ....
Explanation	The ActiveX control returned an error with the indicated number and text.
Action	Please consult the documentation of the ActiveX control to find out under which conditions this error code is returned.

NAT4760: Redefinition of handle or dynamic variables not allowed.

Text	Redefinition of handle or dynamic variables not allowed.
Explanation	A variable of type HANDLE or a DYNAMIC variable must not be redefined; and the result of a redefinition must not be a HANDLE or DYNAMIC variable either.

Action	Correct the variable definition.

NAT4761: Requested action not available in current context.

Text	Requested action not available in current context.
Explanation	The availability of the requested action depends upon the current state of the specified object (if any) and/or the current program state. In the current state, it is not possible to perform the requested action.
Action	Check program and ensure that request is only made in valid contexts.

87 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.

88 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.

89 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.

90 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.

NAT4962: No object to be included specified.

Text	No object to be included specified.
Action	Specify object to be included.

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".

NAT4964: Invalid "include" option specified.

Text	Invalid "include" option specified.
Explanation	Specify valid "include" option.

NAT4965: Object type(s) not correctly specified.

Text	Object type(s) not correctly specified.

Action	Specify object type(s) correctly.

NAT4966: Valid map parameters are S, P, I, R.

Text	Valid map parameters are S, P, I, R.
Action	Specify "S", "P", "I" or "R".

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.

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.

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.

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.

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.

91 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.

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.

NAT5440: Java Error (:1:) occurred. Message: :2:.

Text	Java Error (:1:) occurred. Message: :2:.
Explanation	A Java exception of class java.lang.Error has been thrown in the called Java code.
Action	Refer to the Java documentation for further information. Check the called Java code and correct the error.

NAT5441: Java Runtime Exception (:1:) occurred. Message: :2:.

Text	Java Runtime Exception (:1:) occurred. Message: :2:.
Explanation	A Java exception of class java.lang.RuntimeException has been thrown in the called Java code.
Action	Refer to the Java documentation for further information. Check the called Java code and correct the error.

NAT5442: Java Exception (:1:) occurred. Message: :2:.

Text	Java Exception (:1:) occurred. Message: :2:.
Explanation	A Java exception of class java.lang.Exception has been thrown in the called Java code.
Action	Refer to the Java documentation for further information. Check the called Java code and correct the error.

NAT5444: Initialization of the JVM failed. Function: :1:. Reason: :2:.

Text	Initialization of the JVM failed. Function: :1:. Reason: :2:.
Explanation	The initialization of the Java Virtual Machine failed. Either the JVM could not be loaded from the location indicated in the Natural configuration parameter "JVM" or the initialization failed when executing the indicated initialization function.
Action	Correct the entry in the Natural configuration parameter "JVM". Consult also the documentation of the JVM.

NAT5445: Natural Java Bridge internal error. Line: :1:(:2:). Reason :3:.

Text	Natural Java Bridge internal error. Line: :1:(:2:). Reason :3:.
Explanation	An internal error occurred in the Natural Java Bridge. The message indicates the location of the error.
Action	Report the full error information to technical support.

NAT5446: Mandatory parameter not specified.

Text	Mandatory parameter not specified.
Explanation	When calling a method of the Natural Java Bridge, a mandatory parameter was not specified.
Action	Check the documentation of the method and correct the error.

NAT5447: Method or field :1: not found.

Text	Method or field :1: not found.
Explanation	The Java class does not contain a public method with the given name and signature or no public field with the given name.
Action	Check the documentation of the Java class and correct the error.

NAT5448: Wrong number of parameters specified in SEND METHOD.

Text	Wrong number of parameters specified in SEND METHOD.
Explanation	The Java class does not contain a public method with the given name and parameter count.
Action	Check the documentation of the Java class and correct the error.

NAT5449: Conversion of parameter :1: not possible.

Text	Conversion of parameter :1: not possible.
Explanation	The indicated parameter could not be converted from a Java type to a Natural type or vice versa.
Action	Conversion of parameter :1: not possible.

92 Natural System Error Messages 5450-5499

NAT5450: Conversion of field or return value not possible.

Text	Conversion of field or return value not possible.
Explanation	A method return value or a field could not be converted from a Java type to a Natural type or vice versa.
Action	Check the possible data type conversions between Natural and Java in the documentation of the Natural Java Bridge. Correct the error.

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.

93 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 Entire System Server error.
Action	Contact your technical 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.

94 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.

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).

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.

95 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.

96 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: FAMS subtask abended.

Text	FAMS subtask abended.
Explanation	One of the subtasks used by remote program object copy has abnormally terminated. The ERROR-NODE and ERROR-VIEW fields will show which node had the ABEND. Information regarding the ABEND will be in the JES 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.

97 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. Technical support should be notified 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.

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.

98 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 technical support.

99 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.

100 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	The 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 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.

101 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.

NAT5912: EPS5912 Destination definition time window overlap.

NAT5913: EPS5913 User already belongs to a group.

NAT5914: EPS5914 Owner Id is not defined.

NAT5915: EPS5915 Printer Id is not defined.

NAT5917: EPS5917 Record already exists.

NAT5918: EPS5918 Owner Id is not defined.

NAT5920: EPS5920 Report status must be A, H, P or L.

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).

NAT5931: EPS5931 No suitable destination definition.

NAT5932: EPS5932 Report already open.

NAT5933: EPS5933 Report number must be specified.

NAT5934: EPS5934 Error in control data.

NAT5935: EPS5935 Invalid printer Id.

NAT5936: EPS5936 Report was not opened.

NAT5937: EPS5937 You must specify both group and user Id.

NAT5938: EPS5938 You must specify a printer Id.

NAT5939: EPS5939 Report has too many lines.

NAT5940: EPS5940 Printer command table is full.

NAT5941: EPS5941 Report does not exist.

NAT5942: EPS5942 Report is not available.

NAT5943: EPS5943 Line number is not in reports line range.

NAT5944: EPS5944 Please specify a report number.

NAT5945: EPS5945 Report is printing, priority was not changed.

NAT5946: EPS5946 Report control record is missing.

NAT5947: EPS5947 Printer is not active.

NAT5948: EPS5948 Source must be O or R.

NAT5949: EPS5949 Invalid function.

102 Natural System Error Messages 5950-5999

NAT5950: EPS5950 Invalid copylist name.

NAT5951: EPS5951 Print Server not active.

NAT5952: EPS5952 No line specified for WRITE report.

NAT5953: EPS5953 Invalid object type.

NAT5954: EPS5954 "SYSDEF" record missing.

NAT5955: EPS5955 Invalid command data.

NAT5956: EPS5956 Invalid destination data.

NAT5957: EPS5957 Invalid data on system defaults.

NAT5958: EPS5958 Error in CLIST record.

NAT5959: EPS5959 Error in LOG record.

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.

103 Natural System Error Messages 6000-6049

NAT6001: Internal error.

Text	Internal error.
Explanation	Error in internal routine which converts the format of fields.
Action	Contact technical support.

NAT6003: Incompatible format types used for conversion.

Text	Incompatible format types used for conversion.
Explanation	An attempt was made to convert a value from one format type to another, although conversions between these format types are not permitted. Note that (for the purposes of this error) the format of binary values up to length 4 (which can behave as integers) is considered distinct from the format of those of length 5 or greater (which cannot).
Action	See the Reference documentation for information on format type conversion compatibility.

NAT6005: The list file is already open.

Text	The list file is already open.
Explanation	The list file is already open so it cannot be opened again.
Action	Close the list file.

NAT6007: A program must have less than 40 DO ... DOEND loops.

Text	A program must have less than 40 DO ... DOEND loops.
Explanation	This program has at least 40 DO ... DOEND loops.
Action	Reduce the number of DO ... DOEND loops to less than 40.

NAT6008: A program must have less than 5 SETTIME statements.

Text	A program must have less than 5 SETTIME statements.
Explanation	This program has at least 5 SETTIME statements.
Action	Reduce the number of SETTIME statements to less than 5.

NAT6009: A program must perform less than 50 different subroutines.

Text	A program must perform less than 50 different subroutines.

Explanation	This program performs at least 50 different subroutines.
Action	Reduce the number of different subroutines performed to less than 50.

NAT6010: Operation could not be completed. Memory allocation failed.

Text	Operation could not be completed. Memory allocation failed.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disk for the system swap file. Another possibility is that the internal Natural buffer sizes USIZE and SSIZE are too small. Check the configuration settings of the operating system and correct them if necessary. Then check the available disk space for your system swap file. Additionally, check your USIZE and SSIZE settings within the Configuration utility and increase them if they seem to be too small.
Action	Contact your system administrator for further help.

NAT6011: Limit of a GP structure exceeded: :1:

Text	The limit of a GP structure is exceeded.
Explanation	The follwing keywords identify the corresponding GP table structure OVFLCT: statement block is too large (IF-THEN-ELSE, loop structure etc) OVFLADE: array definition structure too large OVFLATT: field attribute definitions too large
Action	Reduce appropiate structure in the Natural program.

NAT6012: Internal buffer overflow.

Text	Internal buffer overflow.
Explanation	Internal error.
Action	Contact technical support.

NAT6013: Unexpected bufferpool error

Text	Unexpected bufferpool error
Explanation	Unexpected error when accessing the bufferpool.
Action	Restart Natural. If the error occurs again, ask your Natural system administrator to restart the Natural bufferpool. If this does not help, contact technical Support.

NAT6014: Timeout during lock of file

Text	Timeout during lock of file
Explanation	Locking timeout when trying to open a file.
Action	Retry the operation causing the error.

NAT6015: WORK FILE number :1: not allocated/available.

Text	WORK FILE number ... not allocated/available.

Explanation	Work files must have been previously defined by the Natural administrator.
Action	Make sure that the correct work file number has been used. If it has, contact your Natural administrator concerning work file status/usage.

NAT6016: Batch input error: :1:.

Text	Batch input error: ....
Explanation	An INPUT statement in batch mode could not be completed.
Action	Make sure that the batch input file is accessible and contains all needed data.

NAT6017: PC connection already open for workfile :1:

Text	PC connection already open for workfile ...
Explanation	A transfer to/from a PC was started, while another transfer is already active. There can be only one transfer active at any time.
Action	Make sure that a transfer is started only when no other one is active.

NAT6018: Bad architecture record in the work file :1:, code :2:

Text	Bad architecture record in the work file ..., code ...
Explanation	While opening a portable work file, a bad architecture record was found. This error occurs if the work file is not a portable work file, or it has been modified.

Action	Make sure that the work file to be read is really a portable work file generated by Natural. If the problem persists, call technical support and mention the code which occurred.

NAT6019: Number of fields wrong, file :1:, record :2:, code :3:.

Text	Number of fields wrong, file ..., record ..., code ....
Explanation	While reading a portable work file, an invalid length was encountered. There are the following reasons for this error: 1 the number of fields doesn"t match with the READ WORK statement 2 the length field is corrupted Make sure that - the fields in the READ WORK statement match the fields in the corresponding WRITE WORK statement (including the number of fields, scalar/array, etc.) - the work file to be read is really a portable work file generated by Natural.
Action	If the problem persists, call technical support and mention the code which occurred.

NAT6020: Field mismatch, file :1:, record :2:, field :3:, code :4:.

Text	Field mismatch, file ..., record ..., field ..., code ....
Explanation	While reading a portable work file, a field which was read does not match the specification in the READ WORK statement. The work file number, the record number, and the field number are shown in the error message. Arrays count as one field here, and must match in the type and the number of occurrences. The code means: 1 the field in the READ WORK stmt. is an array, different from file record 2 the field in the file record is an array, different from READ WORK stmt. 3 data type mismatch (e.g., ALPHA and FLOAT) 4 length mismatch (field length in bytes) 5 occurrences mismatch of an array field

Action	Make sure that the programs match (the write and read work file).

NAT6021: Invalid record type, file :1:, record :2:, code :3:.

Text	Invalid record type, file ..., record ..., code ....
Explanation	While reading a portable work file, an invalid record type was found. If the record number and the code are zero, a file has been accessed, which is not a portable work file generated by Natural.
Action	Make sure that the work file to be read is really a portable work file generated by Natural. If the problem persists, call technical support and mention the code which occurred.

NAT6022: Unexpected END OF FILE, work file :1:.

Text	Unexpected END OF FILE, work file ....
Explanation	There are 2 reasons for this error: - While reading an unformatted work file, an end of file was reached. This can happen only if the file is truncated while Natural is reading it. - While opening/reading a portable work file, an end of file was reached.
Action	- Make sure that there is no other access to the unformatted work file. - Make sure that the work file to be read is really a portable work file generated by Natural. If the problem persists, call technical support.

NAT6023: Illegal access of work file using dynamic variables.

Text	Illegal access of work file using dynamic variables
Explanation	The work file types SAG and ENTIRECONNECTION cannot be used with dynamic variables.
Action	Define the work file with a type which can handle dynamic variables.

104 Natural System Error Messages 6050-6099

NAT6098: This statement is not implemented in the current version.

Text	This statement is not implemented in the current version.
Explanation	This statement is not available in the current version of Natural.
Action	Remove this statement from the program.

NAT6099: File-open error :1: occurred for :2:.

Text	File-open error ... occurred for ....
Explanation	DU=ON causes dump-file generation into the directory defined in the Natural TMP directory option in the Natural Configuration utility. The "fopen" call failed with the error indicated. The dump file is either already open or the user has no write permission.
Action	See the operating-system manual for further information.

105 Natural System Error Messages 6100-6149

NAT6100: Failed to open XREF dump file.

Text	Failed to open XREF dump file.
Explanation	The XREF dump file is either already open or the user has no write permission.
Action	Close XREF dump file or set write permission.

NAT6101: No name for UNIX shell defined, shell cannot be started.

Text	No name for UNIX shell defined, shell cannot be started.
Explanation	Shell name must be defined before shell can be started.
Action	Define a shell name with the SHELL parameter in the Configuration utility.

NAT6102: External editor specified in Configuration could not be started.

Text	External editor specified in Configuration could not be started.
Explanation	You tried to call an external editor as program editor. The string defined in the Configuration utility is not a valid program name.
Action	Define a valid editor name with the EDITOR parameter in the Configuration utility.

NAT6103: Registration of a clipboard format failed.

Text	Registration of a clipboard format failed.
Explanation	A clipboard format could not be registered.
Action	Retry the action with less programs running. If error occurs again contact technical support.

NAT6104: Posting a message failed.

Text	Posting a message failed.
Explanation	A message could not be posted.
Action	Retry the action with less programs running. If error occurs again contact technical support.

NAT6105: Registration of a window class failed.

Text	Registration of a window class failed.
Explanation	A window class could not be registered.
Action	Retry the action with less programs running. If error occurs again contact technical support.

NAT6106: Creation of a window failed.

Text	Creation of a window failed.
Explanation	A window could not be created.
Action	Retry the action with less programs running. If error occurs again contact technical support.

NAT6107: Command cannot be processed while debug mode is active.

Text	Command cannot be processed while debug mode is active.
Explanation	A Natural program or dialog is currently being executed in debug mode. In this situation, the entered command cannot be processed.
Action	Stop debug mode, and then enter the command again.

NAT6110: Installation has no message text for the error with this number.

Text	Installation has no message text for the error with this number.
Explanation	Either the current version of the Natural message texts is not available at your installation, or the texts have been edited.
Action	Load the current version of the message texts.

NAT6111: Natural cannot assign a table type to your program.

Text	Natural cannot assign a table type to your program.
Explanation	Internal error.
Action	Contact technical support.

NAT6112: This library is empty.

Text	This library is empty.
Explanation	You have logged on to a library which has no members.
Action	No action is required.

NAT6113: Please enter source name.

Text	Please enter source name.

Explanation	It is necessary to supply the object name in the edit command if you do not use the Software AG Editor.
Action	Please retype the command, specifying the name of the object you wish to edit.

NAT6120: Object too large to be read/edited in Natural source area.

Text	Object too large to be read/edited in Natural source area.
Explanation	An object must fit into the Natural source area before it can be read or edited.
Action	Either clear the Natural source area, or use the Configuration utility to increase the size of the source area.

NAT6121: Maximum source line number limit exceeded.

Text	The generated object contains too many source code lines.
Explanation	Natural source objects may only contain up to 9999 lines. The number of source lines needed to represent the current object exceeds this limit.
Action	Reduce the complexity of the object and retry the operation.

NAT6130: Invalid version of generated program (object code).

Text	Invalid version of generated program (object code).
	The generated Natural program cannot be executed with the current execution environment. Please check the following conditions: - The version of a generated program must not be higher than the version of the execution environment. - Generated programs which are catalogued with Natural

Explanation	Version 4 or below cannot be executed with Natural Version 9.2 or higher.
Action	Recatalog the objects before running the application.

NAT6131: Error accessing temporary print file.

Text	Error accessing temporary print file.
Explanation	Natural is not able to generate a temporary print file in the directory which is specified by the <TMPPATH> entry in Natural.INI
Action	Check the path specified in Natural.INI

NAT6132: Detected end of file while reading from standard input.

Text	Detected end of file while reading from standard input.
Explanation	Natural detected an error condition while reading from the standard input terminal.
Action	Check that standard input stream for Natural delivers all neccessary characters.

NAT6133: Program :1: is non-portable and cannot be imported.

Text	Program ... is non-portable and cannot be imported.
Explanation	The target platform for import was unable to process the format of the generated program. The generated program was created using a Natural version which does not support the generation of portable code; in addition, it may be that the program was created in an environment whose endian mode is incompatible with that of the target environment.

Action	Recatalog the program with a Natural version which does support portable code.

NAT6134: Path length exceeds 255 characters.

Text	Path length exceeds 255 characters.
Explanation	A Natural object could not be imported/copied/moved/renamed. The operation was rejected because the resulting path name of the file in the target environment exceeded 255 characters.
Action	Retry the operation using shorter names.

NAT6139: The parameter CO=ON is not supported.

Text	The parameter CO=ON is not supported.
Explanation	The parameter CO is turned on. This implemention of Natural does not support this feature.
Action	Please set CO to OFF.

NAT6140: Dialog is already active.

Text	Dialog is already active.
Explanation	The current call to the dialog with given dialog ID cannot be executed because this dialog is already active.
Action	Check your calling structure to prevent invoking of an active dialog.

NAT6141: Dialog is not defined.

Text	Dialog is not defined.
Explanation	The call to the dialog cannot be executed because a dialog with this ID is not defined.
Action	Check the dialog ID you specified in the call.

NAT6142: Structure of FILEDIR.SAG is invalid.

Text	Structure of FILEDIR.SAG is invalid.
Explanation	The structure of FILEDIR.SAG belongs to an earlier version of Natural and is not understood by this version.
Action	Use the FTOUCH utility with the convert option to convert FILEDIR.SAG to the new format.

NAT6143: SyncSort error: status :1:, errno :2: occurred.

Text	SyncSort error: status ..., errno ... occurred.
Explanation	SyncSort was called for the Natural SORT statement and terminated with error codes. See your SyncSort documentation for the appropriate messages: - status is the return code of the function syncsort() and - errno is the standard "error number" variable"s value.
Action	See your SyncSort documentation for the appropriate action.

NAT6144: Repository error: failed to back out transaction.

Text	Repository error: failed to back out transaction.
Explanation	The Natural repository was called by the Natural/C system file driver to back out a transaction and returned an error code.
Action	Check your environment.

NAT6145: Repository error: transaction not completed successfully.

Text	Repository error: transaction not completed successfully.
Explanation	The repository was called by the Natural system file driver to end a transaction and returned an error code.
Action	Check your environment.

NAT6146: Repository error: failed to start transaction.

Text	Repository error: failed to start transaction.
Explanation	The Natural repository was called by the Natural/C system file driver to start a transaction and returned an error code.
Action	Check your environment.

NAT6147: Repository error: failed to delete object.

Text	Repository error: failed to delete object.
Explanation	The Natural repository was called by the Natural/C system file driver to delete an object and returned an error code.
Action	Check your environment.

NAT6148: Repository error: failed to copy / move object.

Text	Repository error: failed to copy or move object.
Explanation	The Natural repository was called by the Natural/C system file driver to copy or to move an object and returned an error code.
Action	Check your environment.

NAT6149: Locking conflict: failed to lock object.

Text	Locking conflict: failed to lock object.
Explanation	The Natural system file driver was called to lock an object, but the object to be locked was already locked by another user.
Action	Ask the other user to unlock the object.

106 Natural System Error Messages 6150-6199

NAT6150: 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.

NAT6151: Natural program error: Infinite recursion.

Text	Natural program error: Infinite recursion.
Explanation	The typical program in which this error occurs is a dialog containing the statement CLOSE DIALOG *DIALOG-ID for the CLOSE event.
Action	Check for recursive calls.

NAT6152: Error while unlocking the object.

Text	Error while unlocking the object.
Explanation	Either your network software contains an error or Natural detected an internal error while unlocking a locked object.
Action	Check your environment.

NAT6153: Error during lock of object.

Text	Error during lock of object.
Explanation	Either your networking software has an error or Natural detected an internal error while locking an object.
Action	Check your environment.

NAT6154: Error closing file.

Text	Error closing file.
Explanation	Natural tried to close a file it has opened, but an error was returned by the operating system.
Action	Check your environment. If you cannot find the cause of the problem, contact technical support.

NAT6155: Attempt to modify a read-only system file.

Text	Attempt to modify a read-only system file.
Explanation	Natural tried to open a file in the system file emulation for writing, but this system file was declared as read-only in the global config file.
Action	Either do not attempt to modify the system file or remove the read only flag from NATCONV.CFG

NAT6156: Internal error in the system file emulation.

Text	Internal error in the system file emulation.
Explanation	Natural encountered an internal error in the system file emulation.
Action	Contact technical support.

NAT6157: Dialog called from non-gui environment.

Text	Dialog called from non-gui environment.
Explanation	A gui environment is created when a dialog is started at level 1. Dialogs may then be called. A non-gui environment is active when: - a PROGRAM is started at level 1 or - Natural executes as server. It is not possible to call a dialog in a non-gui environment.
Action	Check your program and remove the calls to dialogs or start the program via a dialog.

NAT6158: Failed to send object descriptor to repository.

Text	Failed to send object descriptor to repository.
Explanation	During a Natural / repository synchronize operation, Natural was not able to send a Natural object description to the repository.
Action	Check your environment

NAT6159: Repository error: failed to delete library.

Text	Repository error: failed to delete library.
Explanation	The Natural repository was called by the Natural system file driver to delete a whole library and returned an error code.
Action	Check your environment.

NAT6160: Repository error: failed to rename library.

Text	Repository error: failed to rename library.
Explanation	The Natural repository was called by the Natural system file driver to rename a library and returned an error code.
Action	Check your environment.

NAT6161: Repository error: failed to save object.

Text	Repository error: failed to save object.
Explanation	The Natural repository was called by the Natural system file driver to save an object and returned an error code.
Action	Check your environment.

NAT6162: Repository error: failed to lock object

Text	Repository error: failed to lock object.
Explanation	The Natural repository was called by the Natural system file driver to lock an object and returned an error code.
Action	Check your environment.

NAT6163: Repository error: failed to unlock object.

Text	Repository error: failed to unlock object.
Explanation	The Natural repository was called by the Natural system file driver to unlock an object and returned an error code.
Action	Check your environment.

NAT6164: Object saved successfully. Repository information may be faulty.

Text	Object saved successfully. Repository information may be faulty.
Explanation	The Natural object was saved and/or cataloged successfully, but the object information stored in the Natural repository may be incorrect as a repository operation failed.
Action	Retry the operation. If the error reoccurs, contact your system administrator or contact technical support.

NAT6165: CoSort error: status :1:, errno :2: occurred.

Text	CoSort error: status ..., errno ... occurred.
Explanation	CoSort was called for the Natural SORT statement and terminated with error codes. See your CoSort documentation for the appropriate messages: - status is the return code of the function sortclroutine() and - errno is the standard "error number" variable"s value.
Action	See your CoSort documentation for the appropriate action.

107 Natural System Error Messages 6200-6249

NAT6200: Cannot insert global or application-independent variables.

Text	Cannot insert global or application-independent variables.
Explanation	This error can have two causes: a) out of memory b) table overflow Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. All descriptions of application-independent variables are collected in a table of limited size. The table can overflow if an extremely large number of application-independent variables is created. The same situation applies to context variables. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swapfile. Check the number of application-independent and context variables.
Action	Contact your system administrator.

NAT6201: Initializing application-independent variables caused an error.

Text	Initializing application-independent variables caused an error.
Explanation	Natural has encountered an internal error. It can also occur with context variables" initialization.
Action	Contact technical support.

NAT6202: Error processing nested database loop in multi-fetch mode.

Text	Error processing nested database loop in multi-fetch mode.
Explanation	In a nested database-access loop, a database-modification statement attempts to modify a file that is read by an outer loop.
Action	Make sure that multi-fetch processing is switched off in the outer database loop(s).

NAT6203: A domain error occurred in an arithmetic function.

Text	A domain error occurred in an arithmetic function.
Explanation	An argument to the function is outside the domain of the function. The function was called with an invalid floating-point operand.
Action	Correct error in program.

NAT6204: An argument singularity error occurred in an arithmetic function.

Text	An argument singularity error occurred in an arithmetic function.
Explanation	An argument to the function has an illegal value (for example, the value zero is passed to a function that requires a non-zero value).
Action	Correct error in program.

NAT6205: Overflow occurred in an arithmetic function.

Text	Overflow occurred in an arithmetic function.
Explanation	The result of the function is too large to be represented.
Action	Correct error in program.

NAT6206: A partial loss of significance occurred in arithmetic function.

Text	A partial loss of significance occurred in arithmetic function.
Action	Correct error in program.

NAT6207: A total loss of significance occurred in an arithmetic function.

Text	A total loss of significance occurred in an arithmetic function.
Explanation	The result of the function will be inaccurate.

Action	Correct error in program.

NAT6208: Underflow occurred in an arithmetic function.

Text	Underflow occurred in an arithmetic function.
Explanation	The result of the function is too small to be represented.
Action	Correct error in program.

NAT6209: Calling object no longer available when the call was returned.

Text	Calling object no longer available when the call was returned.
Explanation	An object has been called and has completed its processing. Processing cannot return to the the object which called it, because that object is available neither in the bufferpool nor in a library.
Action	Put the calling object, in cataloged form, into the current library, the system-library or the step library.

NAT6210: Initializing a global data area caused an internal error.

Text	Initializing a global data-area caused an internal error.
Explanation	Internal error.
Action	Contact technical support.

NAT6211: Do not use DYNAMIC direction change in multi-fetch mode.

Text	Do not use DYNAMIC direction change in multi-fetch mode.
Explanation	The dynamic direction change can only be used when the corresponding processing loop is not executed in multi-fetch mode.
Action	Use a VARIABLE direction clause instead of a DYNAMIC direction clause if possible; or switch off multi-fetch mode for this statement with the MULTI-FETCH OFF clause.

NAT6212: No more memory is available. Stack of subtasks has overflowed.

Text	No more memory is available. Stack of subtasks has overflowed.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swap file.
Action	Please contact your Administrator.

NAT6213: No more memory available to process request for input or output.

Text	No more memory available to process request for input or output.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swapfile.
Action	Please contact your system administrator for further help.

NAT6214: No more memory is available to process a CALL statement.

Text	No more memory is available to process a CALL statement.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swapfile.
Action	Please contact your system administrator for further help.

NAT6215: The RET function applies only to programs that have been called.

Text	The RET function applies only to programs that have been called.
Explanation	The RET function was applied to a program that had not been called.
Action	Either insert a CALL to the program before the RET function, or remove the RET function.

NAT6216: PF keys are set on too many levels of a program.

Text	PF keys are set on too many levels of a program.
Explanation	A structure is allocated to every level of a program where PF keys (program function keys) are set. All the structures for one program must fit in a segment of 64K. The structure for the current level does not fit in the segment for the current program.
Action	Set PF keys on fewer levels of the program.

NAT6217: Processing an error at runtime caused an error in the processing.

Text	Processing an error at runtime caused an error in the processing.
Explanation	An error has occurred at runtime. Attempts to process the error and display an appropriate message have failed.
Action	Contact technical support because Natural could have an internal error.

NAT6218: Text for months of the year not available in current language.

Text	Text for months of the year not available in current language.
Action	Ask your administrator if the language is available with your installation. If so, the administrator can check whether the appropriate text file is available and reload it, if it is corrupt.

NAT6219: Text for days of the week not available in the current language.

Text	Text for days of the week not available in the current language.
Action	Ask your administrator if the language is available with your installation. If so, the administrator can check whether the appropriate text file is available and, if it is corrupt, can reload it.

NAT6220: Internal error when reading work file.

Text	Internal error when reading work file.

Explanation	There is either a logical error in the work file or a physical error on the disc.
Action	Try to write the work file again. If this has no effect, change the disc.

NAT6221: Internal error when writing work file.

Text	Internal error when writing work file.
Explanation	There is either a logical error in the work file or a physical error on the disc.
Action	Try to write the work file again. If this has no effect, change the disc.

NAT6222: Fields in a WRITE WORK FILE statement too long.

Text	Fields in a WRITE WORK FILE statement too long.
Explanation	The total length of all the fields in a WRITE WORK FILE statement must be less than about 64K. For portable work files, the limit has been increased to about 2 GB.
Action	Apply the WRITE WORK FILE statement to fewer fields or shorter fields.

NAT6223: 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.

NAT6224: Internal error during loop processing.

Text	Internal error during loop processing.
Action	Contact technical support.

NAT6225: Internal error during AT BREAK processing.

Text	Internal error during AT BREAK processing.
Action	Contact technical support.

NAT6226: Internal error during RETRY processing.

Text	Internal error during RETRY processing.
Action	Contact technical support.

NAT6227: Internal error.

Text	Internal error.

Action	Contact technical support.

NAT6228: Internal error during processing of program levels.

Text	Internal error during processing of program levels.
Action	Contact technical support.

NAT6229: Internal error during processing of program levels.

Text	Internal error during processing of program levels.
Action	Contact technical support.

NAT6230: Internal error during loop processing.

Text	Internal error during loop processing.
Action	Contact technical support.

NAT6231: Internal error during loop processing.

Text	Internal error during loop processing.
Action	Contact technical support.

NAT6232: Internal error during processing of program levels.

Text	Internal error during processing of program levels.
Action	Contact technical support.

NAT6233: Internal error during processing of program levels.

Text	Internal error during processing of program levels.
Action	Contact technical support.

NAT6234: Internal error during processing of program levels.

Text	Internal error during processing of program levels.
Action	Contact technical support.

NAT6235: Internal error during processing of operation stack.

Text	Internal error during processing of operation stack.
Action	Contact technical support.

NAT6236: Internal error in interface to database server.

Text	Internal error in interface to database server.

Action	Contact technical support.

NAT6237: Attempt to execute database call to undefined database type.

Text	Attempt to execute database call to undefined database type.
Explanation	The database environment which was defined when the Natural programs were catalogued is different from the environment at execution time (e.g., database ID contains a wrong database type). Do one of the following: 1. Change the database assignment in the global CONFIG file and verify that the environment at execution time is the same as it was at catalog time. Use the Configuration utility. 2. Recatalog the Natural programs if the database assignment has changed.
Action	See explanation.

NAT6238: Attempt to execute database call to undefined database type.

Text	Attempt to execute database call to undefined database type.
Explanation	The database environment which was defined when the Natural programs were catalogued is different from the environment at execution time (e.g., database ID contains a wrong database type). Do one of the following: 1. Change the database assignment in the global CONFIG file and verify that the environment at execution time is the same as it was at catalog time. Use the Configuration utility. 2. Recatalog the Natural programs if the database assignment has changed.

Action	See explanation.

NAT6239: Internal error in interface to database server.

Text	Internal error in interface to database server (replacement table).
Explanation	Internal error.
Action	Contact technical support.

NAT6240: FETCH not allowed when dialogs are active.

Text	FETCH not allowed when dialogs are active.
Explanation	FETCH statements cannot be executed when dialogs are active.
Action	Remove the FETCH statement from the offending routine.

NAT6241: Parameter access failed (not passed).

Text	Parameter access failed (not passed).
Explanation	Parameters are optional when they are passed to a dialog or if they are specified with the keyword OPTIONAL in the PDA for a CALLNAT or an external SUBROUTINE. The parameter(s), which have not been passed, cannot be accessed. If an access is tried, this error occurs. This is also true for a redefinition of a parameter.
Action	Check the parameter before accessing it. The statements "IF parameter SPECIFIED" or "IF parameter NOT SPECIFIED" can be used for this purpose.

NAT6242: Value too large for index of dimension :1: (help on array field).

Text	Value too large for index of dimension :1: (help on array field).
Explanation	Environment, where the error occurrs: Help is requested for an INPUT field, where the field is an element of an array. When the parameters for the helproutine are generated, the indexes of the array element are passed together with the field contents. In this case, each index value must fit into an I2 variable, because the helproutines expect it as an I2. Reason why the error occurs: The given index does NOT fit into an I2 (overflow).
Action	Check the value of the index and make sure it will fit into an I2.

NAT6243: CALLNAT from extern (3GL): too many parameters specified.

Text	CALLNAT from extern (3GL): too many parameters specified.
Explanation	A CALLNAT from outside of Natural, e.g. from a 3GL program, exceeds the maximum number of supported parameters. Due to performance optimizations, this limit is internally set to 4500.
Action	Reduce the number of parameters. If not possible, contact technical support.

NAT6244: Internal memory handling error.

Text	Internal memory handling error.
Explanation	This error is caused by incorrect system administration: a Natural object was changed or removed while Natural was running. That is why information about an active object could not be re-loaded. As the information is required to free active memory, Natural will run out of memory if this error occurs again and again.

Action	Shut the Natural session down, restart Natural. Change or remove Natural objects only when no Natural processes are running.

NAT6245: Internal error: name :1: code :2: subcode :3:

Text	Internal error: name ... code ... subcode ...
Explanation	Internal error. A name, code, and subcode are contained in the error message.
Action	Contact technical support and quote the complete error message.

NAT6246: Invalid usage of ODA (Object Data Area).

Text	Invalid usage of ODA (Object Data Area).
Explanation	Object Data Areas are defined in methods to use class specific data. The methods must be activated with the Natural statements CREATE OBJECT and SEND METHOD. An attempt was made to activate a method, which uses an ODA, with a statement other than SEND METHOD (e.g., with the CALLNAT statement).
Action	Activate method using the SEND METHOD statement.

NAT6247: Inconsistent structure of ODA in CLASS and METHOD.

Text	Inconsistent structure of ODA in CLASS and METHOD.
Explanation	Object Data Areas (ODA) are defined in methods to use class specific data. Therefore, the structure of the ODA in the CLASS gp must match the structure of the ODA in a called METHOD.

Action	Ensure that the ODAs in CLASS and METHOD have the same number of parameters, format and length.

NAT6248: Inconsistent structure of OPS in runtime and compiler

Text	Inconsistent structure of OPS in runtime and compiler
Explanation	To support the dynamic operands and operands of type ANY, the compiler has to generate the OPS structure into the gp. This generated OPS structure does not match with the OPS structure that is currently used by the runtime system.
Action	Ensure that the catalogued Natural program is version compatible to your currently used Natural version. Recatalogue the Natural program in case of incompatibility, else contact the technical support.

NAT6249: Internal Error during *LENGTH evaluation

Text	Internal Error during *LENGTH evaluation
Explanation	The internal structure for the *LENGTH evaluation is not available due to an internal error.
Action	Contact the technical support.

108 Natural System Error Messages 6250-6299

NAT6250: Tried to apply a wrong value to *LENGTH

Text	Tried to apply a wrong value to *LENGTH
Explanation	The system variable *LENGTH may be modified in order to increase the used size of a dynamic variable. The following conditions must be kept, when *LENGTH is modified: 1. *LENGTH must not be set to a negative value 2. *LENGTH must not be set to a higher value than the allocated data space
Action	Check the conditions mentioned above. The Natural EXPAND statement may be used to increase the data space of a dynamic variable.

NAT6251: Unknown OPD format found during dynamic operand processing

Text	Unknown OPD format found during dynamic operand processing
Explanation	Internal Error. An unknown Natural internal operand format was found during the processing of a dynamic variable.

Action	Contact the technical support.

NAT6252: Resize of a non dynamic variable not possible

Text	Resize of a non dynamic variable not possible
Explanation	Internal Error. An invalid Natural internal operand format was found, when the value space for a dynamic variable was resized.
Action	Contact the technical support.

NAT6253: Upper limit for dynamic variable exceeded

Text	Upper limit for dynamic variable exceeded
Explanation	During the reallocation of the value space of a dynamic variable, the upper limit of 1 GB was exceeded.
Action	Ensure that the data space of a dynamic variable stays below 1 GB.

NAT6254: Invalid size value for REDUCE or EXPAND statement specified: :1:

Text	Invalid size value for REDUCE or EXPAND statement specified:<size value>
Explanation	A size value is specified with the REDUCE and the EXPAND statements, 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

Action	The size value, which leads to the error, is displayed in the error message. Check the value against the conditions mentioned above.

NAT6255: Invalid usage of dynamic variable with *length = 0

Text	Invalid usage of dynamic variable with *length = 0
Explanation	An dynamic variable may have no data assigned, which means, the data length is 0. The content of the dynamic variable is then undefined. The usage of a dynamic variable without data leads to an error, when the following conditions are given: 1. The dynamic variable is used as operand in a logical condition criteria 2. The dynamic variable is used as source operand in an assignment.
Action	Check the usage of the dynamic variable and ensure, that there is data assigned to it.

NAT6256: X-arrays cannot be specified in this context.

Text	X-arrays cannot be specified in this context.
Explanation	The specification of X-arrays is not allowed in this context.
Action	Check program and correct error.

NAT6269: Natural application terminated abnormally.

Text	Natural application terminated abnormally.
Explanation	The Natural application was terminated abruptly due to a hardware or software exception (e.g., memory access violation or stack overflow).

Action	If you are running Natural interactively, it is recommended that you save any changes and restart Natural as soon as possible. For a resolution of the problem, please contact technical support.

NAT6270: Natural Debugger could not be loaded.

Text	Natural Debugger could not be loaded.
Explanation	Insufficient memory or incorrect PATH setting.
Action	Check that the PATH environment variable contains the path to the directory where the Natural Debugger is located and check that you have enough memory to load the Natural Debugger.

NAT6271: Internal error while creating debugger communication.

Text	Internal error while creating debugger communication.
Explanation	Internal error.
Action	Contact technical support.

NAT6272: Event not allowed.

Text	Event not allowed.
Explanation	You specified an event which is allowed only internally (e.g., OPEN, AFTER-OPEN).
Action	Correct the error by using a different event name.

NAT6273: AIV/GP version compatibility error

Text	AIV/GP version compatibility error
Explanation	The current application uses new and old catalogued Natural objects. A new object has created an AIV which starts beyond 64kB. An old Natural object tries to access this AIV, but is limited to the 64kB size.
Action	You have two possibilities: a) Recatalog the object (preferred). b) Rearrange AIV creation.

NAT6274: Parameter :1: is too long for this interface

Text	Parameter ... is too long for this interface
Explanation	The traditional form of the Natural CALL statement supports only lengths up to 65535. This length can be exceeded by LARGE and DYNAMIC variables. Use the INTERFACE4 option for the CALL statement and write a new user exit to use the new interface. Use a new name for the user exit so that a call to the old user exit with traditional syntax doesn"t crash.
Action	If this error occurs for a different statement, call technical support.

NAT6275: The type of parameter :1: is illegal for this interface

Text	The type of parameter ... is illegal for this interface
Explanation	The statement CALL INTERFACE4 does not allow operands of type HANDLE.

Action	Remove the operands of type HANDLE from the CALL statement.

NAT6276: Info: :1:.

Text	Info: :1:.
Explanation	Additional information concerning the following error message is displayed.

NAT6296: Fatal error in the communication.

Text	Fatal error in the communication.
Explanation	Either the communication with the Entire Screen Builder or Web I/O Interface client was interrupted, or a Natural nucleus was started which is not meant to be started from a Unix terminal (e.g. Natural nucleus for Entire Screen Builder was used or the profile parameter WEBIO is ON).
Action	Either reconnect, or use a Natural nucleus which is intended for starting from a Unix terminal.

109 Natural System Error Messages 6300-6349

NAT6300: The suppression option for a group must be blank.

Text	The suppression option for a group must be blank.
Explanation	A group can have only a level and a long-name.
Action	No action is required. The editor automatically corrects this error.

NAT6301: A sub- or super-descriptor has an incorrect begin, end or length.

Text	A sub- or super-descriptor has an incorrect begin, end or length.
Explanation	A subdescriptor or superdescriptor must begin at a position greater than zero and less than the position at which it ends. The position at which it ends must not be greater than the length of the field on which it is based. The length of a superdescriptor must not be greater than 253.
Action	Enter values within the above ranges.

NAT6302: A periodic group must be on Level 1.

Text	A periodic group must be on Level 1.
Explanation	Periodic groups must not be defined within groups or within other periodic groups; they must always be on Level 1.
Action	No action is required. The editor automatically corrects this error.

NAT6303: The suppression option of a numeric field cannot be fixed format.

Text	The suppression option of a numeric field cannot be fixed format.
Explanation	A field with format N (Natural) or U (Adabas) cannot have a fixed length. Its suppression option must be N or blank.
Action	Enter a valid suppression option.

NAT6304: Periodic group descriptors cannot have fixed-format suppression.

Text	Periodic group descriptors cannot have fixed-format suppression.
Explanation	A descriptor in a periodic group cannot have a fixed length. Its suppression option must be N or blank.
Action	Enter a valid suppression option.

NAT6305: A floating-point number must have fixed-format suppression.

Text	A floating-point number must have fixed-format suppression.
Explanation	If the format of a field is G (Adabas) or F (Natural), its suppression option must be F.
Action	No action is required. The editor automatically corrects this error.

NAT6306: Two fields of a database file the same Adabas short name.

Text	Two fields of a database file have the same Adabas short name.
Explanation	The short name of a field must have two characters and must begin with an alphabetic character. It must not be in the range from E0 to E9 and it must not be the same as the short name of any other field in the same file.
Action	Enter a different short name for one of the two fields.

NAT6307: The level of a field in a database file must not be changed.

Text	The level of a field in a database file must not be changed.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6308: The format of a field in a database file must not be changed.

Text	The format of a field in a database file must not be changed.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6309: The type of a field in a database file must not be changed.

Text	The type of a field in a database file must not be changed.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6310: The long name of a field in a database file must not be changed.

Text	The long name of a field in a database file must not be changed.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6311: Short name of database file field must not be changed or deleted.

Text	Short name of database file field must not be changed or deleted.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6312: The length of a field in a database file must not be changed.

Text	The length of a field in a database file must not be changed.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6313: An area number must be between 1 and 30.

Text	An area number must be between 1 and 30.
Explanation	The area where a database file is created must have a number between 1 and 30.
Action	Enter an area number between 1 and 30.

NAT6314: Sub- / super-descriptors must be at the end of the database-file.

Text	Sub- / super-descriptors must be at the end of the database-file.
Explanation	Fields that have descriptor S must be at the end of the database-file-description.
Action	Move all subdescriptors and superdescriptors to the end of the database-file.

NAT6315: A field must have a level between 1 and 7. No level was entered.

Text	A field must have a level between 1 and 7. No level was entered.
Explanation	You have not entered a level for the field.
Action	Enter a level between 1 and 7.

NAT6316: This field must have a format. No format was entered.

Text	This field must have a format. No format was entered.
Explanation	A format must be entered for every field that is neither a group nor a periodic group.
Action	Enter a format for this field.

NAT6317: You specified an invalid editing mask.

Text	You specified an invalid editing mask.
Explanation	Valid forms of editing mask are described in the Natural Reference documentation.
Action	Correct the editing mask.

NAT6318: The length of a field with fixed-format suppression must be 4.

Text	The length of a field with fixed-format suppression must be 4.
Explanation	A field with the suppression option F has a length other than 4.
Action	Either change the length of the field to 4 or change the suppression option.

NAT6319: Size of the internal Adabas buffer must be between 50K and 9999K.

Text	Size of the internal Adabas buffer must be between 50K and 9999K.
Explanation	A size outside this range was entered in the profile of a database.
Action	Enter a size between 50K and 9999K.

NAT6320: A database with the proposed name already exists.

Text	A database with the proposed name already exists.

Explanation	Two databases cannot have the same name.
Action	Enter a different name for the new database.

NAT6321: Subdescriptors and superdescriptors must be on Level 1.

Text	Subdescriptors and superdescriptors must be on Level 1.
Explanation	Subdescriptors and superdescriptors must not be defined within groups.
Action	No action is required. The editor automatically corrects this error.

NAT6322: Level numbers of adjacent fields must not differ by more than 1.

Text	Level numbers of adjacent fields must not differ by more than 1.
Explanation	Adjacent fields should either be on the same level or, if one of them is a group, their levels should differ by one.
Action	Correct the level of at least one field.

NAT6323: A group must contain at least one field.

Text	A group must contain at least one field.
Explanation	Every definition of a group must be followed by the definition of at least one field that belongs to the group. The level of the field or fields must be one greater than the level of the group.

Action	Insert after the group a definition of each field that belongs to the group.

NAT6324: Two fields of a file have the same long name.

Text	Two fields of a file have the same long name.
Explanation	All fields of a file must have different long names.
Action	Enter a different long-name for one of the two fields.

NAT6325: A field must have a long name. No long name was entered.

Text	A field must have a long name. No long name was entered.
Explanation	You have not entered a long name for the field.
Action	Enter a long name for the field.

NAT6326: The file had one or more blank lines. They have been deleted.

Text	The file had one or more blank lines. They have been deleted.
Explanation	A file description must not have blank lines.
Action	No action is required. The editor automatically corrects this error.

NAT6327: No database file :1: exists.

Text	No database file ... exists.
Explanation	Either the database file has never been created or it has been deleted.
Action	Use the Adabas-utilities to create the database file, then edit it to define your DDM-file.

NAT6328: No file :1: exists.

Text	No file ... exists.
Explanation	The file named in the error message does not exist. Enter the correct name of the file. If the file name starts with DOOnnn check if the correct DBID is entered. Check the directory specified in the environment variable DBENV or the directory which was specified as Adabas Utility parameter.
Action	see explanation

NAT6329: An error occurred while file :1: was being read or written.

Text	An error occurred while file ... was being read or written.
Explanation	Internal error.
Action	Contact technical support.

NAT6330: Adabas short name cannot be generated.

Text	Adabas short name cannot be generated.
Explanation	All possible Adabas short names have been used in this database file so the editor cannot generate another one.
Action	Delete any fields that are no longer needed.

NAT6331: Either a PF key has 2 functions, or one function has 2 PF keys.

Text	Either a PF key has 2 functions, or one function has 2 PF keys.
Explanation	Either two functions are assigned to the same PF key, or the same function is assigned to two PF keys.
Action	Assign each function to a separate PF key and do not assign more than one function to any PF key.

NAT6332: A Field used in a sub- or superdescriptor cannot be changed.

Text	A Field used in a sub- or superdescriptor cannot be changed.
Explanation	A field cannot be changed if it is used in any subdescriptor or super-descriptor.
Action	Remove the field from every subdescriptor or superdescriptor that uses it.

NAT6333: Number of field occurrences in a database file must not change.

Text	Number of field occurrences in a database file must not change.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6334: A subdescriptor or superdescriptor must use one or more fields.

Text	A subdescriptor or superdescriptor must use one or more fields.
Explanation	A subdescriptor must use part of one field and a superdescriptor must use at least part of two or more fields.
Action	Enter the fields that are used by the subdescriptor or superdescriptor.

NAT6335: No userviews are defined for this database file.

Text	No userviews are defined for this database file.
Action	No action is required.

NAT6336: Specified file name does not exist in specified database.

Text	Specified file name does not exist in specified database.

Action	Specify the correct database and file.

NAT6337: You must specify the database in which files are to be listed.

Text	You must specify the database in which files are to be listed.
Explanation	You did not specify a database so the files of a database could not be listed.
Action	Specify a database.

NAT6338: Internal editor buffer overflow.

Text	Internal editor buffer overflow.
Explanation	When there are more than 1000 lines in your edit area, an internal editor buffer overflow occurs.
Action	Reduce the number of lines in the edit area.

NAT6339: A DDM with that name exists already for DBID :1: with FNR :2:.

Text	A DDM with that name exists already for DBID ... with FNR ...
Explanation	DDM with the specified file number and database number cannot be generated, because a DDM with that name already exists.
Action	Choose a different DDM name.

NAT6340: Suppression option of a field in a database file must not change.

Text	Suppression option of a field in a database file must not change.
Explanation	When a file contains data, the database file must not be changed.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6341: No long names in the database file (upgrade active databases).

Text	No long names in the database file (upgrade active databases).
Explanation	This is the first time that an FDT has been edited since version 1.0.3 of the Adabas utilities was installed. In version 1.0.2, long names were stored in the database file. In version 1.0.3, they are stored in the database.
Action	Use the upgrade utility for active databases to copy the long names into the database.

NAT6342: Some fields in the database do not have long-names.

Text	Some fields in the database do not have long-names.
Explanation	An error occurred when the file was stored.
Action	Edit the file, add the missing long names and save the file. If this has no effect, contact technical support because the DBMS could have an internal error.

NAT6343: The format of a DDM field must be numeric or alphanumeric.

Text	The format of a DDM field must be numeric or alphanumeric.
Explanation	An alphanumeric database file format can be changed to numeric, and numeric format can be changed to alphanumeric. No other change of format is allowed.
Action	No action is required. The editor automatically corrects this error.

NAT6344: Size of Adabas communication area must be between 3K and 64K.

Text	Size of Adabas communication area must be between 3K and 64K.
Explanation	The profile of a database has an invalid size for the Adabas communication area.
Action	Enter a size between 3K and 64K.

NAT6345: Number of log commands must be: 0 if no log file; >=0 otherwise.

Text	Number of log commands must be: 0 if no log file; >=0 otherwise.
Explanation	The number of commands to be logged must be zero if there is no log file and must greater than or equal to zero if there is a log file.
Action	Enter a valid number of commands to be logged.

NAT6346: The page size of an Adabas database must be 1K, 2K, 4K, or 8K.

Text	The page size of an Adabas database must be 1K, 2K, 4K, or 8K.
Explanation	An invalid page size was entered when creating an Adabas database.
Action	Enter a valid page size.

NAT6347: The file :1: failed to close.

Text	The file ... failed to close.
Explanation	Natural has encountered an internal error.
Action	Contact technical support.

NAT6348: The file :1: failed to execute.

Text	The file ... failed to execute.
Explanation	Internal error.
Action	Contact technical support.

NAT6349: You have not specified a library. You must log on to a library.

Text	You have not specified a library. You must log on to a library.

Explanation	Before you can start working, you must log on to the library in which you wish to work.
Action	Log on to a library.

110 Natural System Error Messages 6350-6399

NAT6350: A process failed to execute (termination code: :1:).

Text	A process failed to execute (termination code: ...).
Explanation	Natural has detected an error in the operating system.
Action	Look at the operating system documentation for the given error number and take the corrective action which is recommended there.

NAT6351: A library :1: cannot be created.

Text	A library ... cannot be created.
Explanation	Either the name of the library is invalid, or a directory cannot be created for the library because there is no more space for directories.
Action	Check that the name of the library is valid in Natural and, if necessary, correct it. If this has no effect, delete any directories that are no longer needed.

NAT6352: Either the path is invalid or the directory does not exist.

Text	Either the path is invalid or the directory does not exist.
Explanation	Either you specified a path which is invalid in the operating system or no directory exists which matches your specification.
Action	Enter a valid path to a directory that exists.

NAT6353: The database :1: (:2:) cannot be closed.

Text	The database ... (...) cannot be closed.
Explanation	The database whose name and number appear in the error message cannot be closed, because another process is using it.
Action	End the other process.

NAT6354: WARNING: A field was truncated when it was loaded.

Text	WARNING: A field was truncated when it was loaded.
Explanation	Not all information in the field was loaded.
Action	If you do not wish to lose information, choose or create a field in the database which is long enough to hold all the information, and load the information into that field.

NAT6355: The fields are not compatible with the Natural CONNECTION file.

Text	The fields are not compatible with the Natural CONNECTION file.
Explanation	The formats or lengths of the fields you specified do not match the fields in the Natural CONNECTION file.
Action	Specify the fields correctly.

NAT6356: Function is not possible for the contents of the file.

Text	Function is not possible for the contents of the file.
Explanation	Examples: The format of a file which is to be loaded into a database may be wrong. Or fields were selected to be loaded into a file but their lengths do not match the contents of the file.
Action	Check the format of the file and the lengths of the fields.

NAT6357: Either one parameter or the number of parameters is invalid.

Text	Either one parameter or the number of parameters is invalid.
Explanation	A valid name of a program has been entered with either an invalid parameter or an invalid number of parameters.
Action	Enter a valid number of valid parameters.

NAT6358: A database file or DDM which is empty cannot be stored.

Text	A database file or DDM which is empty cannot be stored.
Explanation	An database file or DDM must have at least one field before it can be stored.
Action	Insert at least one field into the FDT or DDM.

NAT6359: A file with the proposed name already exists.

Text	A file with the proposed name already exists.
Explanation	Two files cannot have the same name.
Action	Enter a different name for the new file.

NAT6360: The length of a numeric field must be between 1 and 29 (15).

Text	The length of a numeric field must be between 1 and 29 (15).
Explanation	A numeric field has a length outside this range with Natural mode (Adabas mode for packed fields).
Action	Enter a length within this range.

NAT6361: No more memory is available.

Text	No more memory is available.

Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swap file. Another possibility is that the internal Natural buffer sizes USIZE and SSIZE are too small. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file. Additionally, check your USIZE and SSIZE settings with the Configuration utility and increase them if they seems to be too small.
Action	Contact your system administrator for further help.

NAT6362: A database with the proposed number already exists.

Text	A database with the proposed number already exists.
Explanation	Two databases cannot have the same number.
Action	Enter a different number for the new database.

NAT6363: Please select all the elements of the group (one level higher).

Text	Please select all the elements of the group (one level higher).
Explanation	Normally, all elements of a group can be selected simply by marking the group. This group either contains a multiple field or is a periodic group. In either case, this group cannot be selected as a whole by marking it. Each element of the group must be marked individually.
Action	Mark all the elements of the group individually.

NAT6364: The database must not be active when this function is executed.

Text	The database must not be active when this function is executed.
Explanation	This function requires that the database is not active.
Action	Close the database.

NAT6365: Number of digits after the decimal point must be between 0 and 7.

Text	Number of digits after the decimal point must be between 0 and 7.
Explanation	For unpacked and packed numeric fields, the number of digits after the decimal point must be between 0 and 7.
Action	Enter a number within this range.

NAT6366: The long name of part of a sub- or super- descriptor is invalid.

Text	The long name of part of a sub- or super- descriptor is invalid.
Explanation	A sub- or super- descriptor can only contain fields that have already been defined.
Action	Either define a field with this long name or remove this long name from the sub- or super- descriptor.

NAT6367: The format type specified is not yet implemented.

Text	The format type specified is not yet implemented.
Explanation	The following format types are currently not implemented: C, D, I, L, T.
Action	Specify a format type that is implemented.

NAT6368: The total field length of a file description must not exceed 64K.

Text	The total field length of a file description must not exceed 64K.
Explanation	The length of all fields defined in a Adabas file description must not exceed 64K.
Action	Decrease field length or number of fields in the database file description.

NAT6369: The short name specified does not exist in the database file.

Text	The short name specified does not exist in the database file.
Explanation	The short name for the DDM field does not exist in the corresponding database file.
Action	Select a new DDM field with the insert command.

NAT6370: The specified file cannot be printed in this environment.

Text	The specified file cannot be printed in this environment.
Explanation	It is not possible to print the specified file, because you are not logged in a local drive.
Action	Logon to a local drive before starting Natural.

NAT6371: No read/write access to this parameter file.

Text	No read/write access to this parameter file.
Explanation	You tried either to read another user"s parameter file or to overwrite the default parameter file NATPARM.
Action	Logon with the correct user ID or contact your Natural administrator if changes in NATPARM are required.

NAT6372: No descriptor allowed for multiple and periodic group fields.

Text	No descriptor allowed for multiple and periodic group fields.
Explanation	When a file contains data, it is not possible to define a descriptor for multiple and periodic group fields.
Action	No action is required. The editor automatically corrects this error. To change the database file, you must first unload the data from the file.

NAT6373: Phonetic descriptors are not yet implemented.

Text	Phonetic descriptors are not yet implemented.
Explanation	With the current PC-DBMS version, it is not possible to define phonetic descriptors.
Action	Select a valid descriptor option from the given choice list.

NAT6374: Multiple field type not possible for normal database field.

Text	Multiple field type not possible for normal database field.
Explanation	When a database field is defined as a normal field, you cannot define it as a multiple field within the DDM. If you do so, a format buffer error occurs, when you try to read the contents of this field.
Action	No action is required. The editor automatically corrects this error.

NAT6375: The DDM cannot be checked against the database file description.

Text	The DDM cannot be checked against the database file description.
Explanation	When you check a DDM, first the syntax of all DDM fields is checked. Then the DDM fields are checked against the corresponding file description (DBID and FNR within the header). The second check can only be performed when the database is of type Adabas and is active.
Action	Save the DDM, start the corresponding database and edit the DDM again.

NAT6376: The category ISN must be in the range from 0 to 65535.

Text	The category ISN must be in the range from 0 to 65535.
Explanation	When you edit a DDM for Entire DB, the field name, file number and default sequence are represented by a category ISN, which must be in the range from 0 to 65535.
Action	Enter a number within this range.

NAT6377: The DDM has a database type which cannot be processed.

Text	The DDM has a database type which cannot be processed.
Explanation	When you try to include a DDM as a template of a FDT, the database type of the DDM must be supported within the utility to process this DDM. For example, you try to include a DDM which is defined for Entire DB. This DDM cannot be included in the FDT editor, because the editor only processes Adabas FDTs.
Action	Specify a DDM with a supported database type.

NAT6378: No further category ISNs can be generated.

Text	No further category ISNs can be generated.
Explanation	All category ISNs have been used in this database file.
Action	Delete fields which are no longer needed.

NAT6379: One or more fields are missing within the DDM line.

Text	One or more fields are missing within the DDM line.
Explanation	The editor detected missing fields within the DDM description.
Action	Complete the information within the DDM line.

NAT6380: No Adabas files are coupled with this DDM.

Text	NO Adabas files are coupled with this DDM.
Explanation	When scanning the DDM source no coupled file information was found.
Action	See Adabas documentation for further information about physical file coupling.

NAT6381: Generation of DDM failed due to internal SQL error :1:.

Text	Generation of DDM failed due to internal SQL error ...
Explanation	The generation of a DDM from a SQL table was interrupted because an internal SQL error occurred.
Action	See your SQL documentation for further information about error codes.

NAT6382: The DDM cannot be checked against the SQL table.

Text	The DDM cannot be checked against the SQL table.

Explanation	When you check a DDM, all DDM fields are checked for syntactical correctness. However, NO check against the SQL table can be made within the DDM editor, because after the generation of the DDM, the connection to the SQL database is closed.
Action	See your SQL documentation for further information about possible modifications.

NAT6383: When editing SQL DDMs, no verification tests are performed.

Text	When editing SQL DDMs, no verification tests are performed.
Explanation	When you edit a DDM, all DDM fields are read into the edit area. However, NO check against the SQL table can be made within the DDM editor, because NO connection to the SQL database will be established.
Action	See your SQL documentation for further information about possible modifications.

NAT6384: SQL table lists are not provided for this database system.

Text	SQL table lists are not provided for this database system.
Explanation	It is not possible to show the SQL table list, because Entire ACCESS does not provide catalog information for this database system.
Action	Enter the desired table owner and table name (no wildcards possible).

NAT6385: No SQL tables found.

Text	No SQL tables found.
Explanation	You specified a table owner/name combination, where no SQL tables exist or the SQL tables are not accessible.
Action	Try to show all SQL tables, which you can access by specifying wildcards.

NAT6386: LOGON to SQL database failed.

Text	LOGON to SQL database failed.
Explanation	You specified an invalid user name or password.
Action	Contact your database administrator.

NAT6387: Function disallowed according to Predict definition.

Text	Function disallowed according to Predict definition.
Explanation	Within the Predict protection screen, the SYSDDM utility has been set to D (disallowed) or C (connected).
Action	See Predict Administration documentation for further information.

NAT6388: The DDM could not be generated. Writing to a SPF session failed.

Text	The DDM could not be generated. Writing to a SPF session failed.
Explanation	When generating a DDM from a SQL table, the table data are buffered within a SPF data session. The write can fail if the internal editor buffer pool is full.
Action	Increase the number of logical files and/or buffer pool blocks within the editor profile. To make the settings active, terminate and restart Natural.

NAT6389: SQL table name was invalid or an internal runtime error occurred.

Text	SQL table name was invalid or an internal runtime error occurred.
Explanation	When generating a SQL based DDM, Natural callnats are executed. Within such a callnat, a Natural runtime error occurred.
Action	Try first to get a list of all available SQL tables and select one. If the problem persists, contact technical support.

NAT6390: Invalid work file name.

Text	Invalid work file name.
Explanation	The path and the name of a work file must not be longer than 253 characters. This error occurs also if the name contains blanks only. If a variable or named constant is used for the work file name, its length must not exceed 1024 bytes.
Action	Choose a valid name, for example, using environment variables.

NAT6391: A work file type must not be longer than 253 characters.

Text	A work file type must not be longer than than 253 characters.
Explanation	The type of a work file must not be longer than 253 characters. This error occurs also if the name contains blanks only. All correct types are shorter. The length of the variable/constant may not exceed 1024 bytes.
Action	Choose a correct type.

NAT6392: The work file type :1: is unknown.

Text	The work file type :1: is unknown.
Explanation	The specified work file type is unknown. This usually means that it is incorrect. This error occurs also if the name contains blanks only.
Action	Choose a correct work file type.

NAT6393: Illegal work file name

Text	Illegal work file name extension ".NCF"
Explanation	The specified work file name is illegal because it conflicts with Entire Connection"s format file. The format file has the extension .NCF, and so the specified work file name must not use the extension .NCF.
Action	Choose a correct work file name.

NAT6394: The DBMS type in the DDM header is not defined.

Text	The DBMS type in the DDM header is not defined.
Explanation	Before a DDM is loaded into the editor and during CATALOG, it will be checked if the type of the DBID, which is defined in the global config file, matches the DBMS type in the DDM header.
Action	Define the correct DBMS type in the global config file, section "DBMS assignments".

NAT6395: DDM generation failed due to wrong datatype combination.

Text	DDM generation failed due to wrong datatype combination.
Explanation	Natural does not support Oracle tables which contain both LONG or LONG RAW and BLOB or CLOB data types.
Action	Change the definition of the Oracle table so that it contains only column types LONG and LONG RAW, or BLOB and CLOB.

NAT6396: The DDM source contains invalid field attribute(s).

Text	The DDM source contains invalid field attribute(s).
Explanation	The DBMS for which the DDM has been defined does not support the extended field attribute(s) found in the DDM source.
Action	Load the DDM into the editor. The DDM editor skips the unknown field attribute(s) when loading the DDM. Afterwards you can stow the DDM.

111 Natural System Error Messages 6400-6449

NAT6400: The parameter :1: is not allowed in this context.

Text	The parameter ... is not allowed in this context.
Explanation	The parameter named in the error message has no meaning in this context.
Action	Remove the parameter. If the parameters are correct and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6401: The value of parameter :1: has an unpaired quotation mark.

Text	The value of parameter ... has an unpaired quotation mark.
Explanation	The value of the parameter named in the error message has one quotation mark. The value of a parameter must be enclosed by either two quotation marks or none.
Action	Insert or remove a quotation mark. If the syntax is correct and you are using supplied DBMS services, contact technical support because Natural has encountered an internal error.

NAT6402: The value or name of a parameter is missing before a delimiter.

Text	The value or name of a parameter is missing before a delimiter.
Explanation	A delimiter should be preceded by either the name of a parameter or the value of a parameter. Either remove the delimiter, or insert the name or value of a parameter before it.
Action	If the syntax is correct and you are using supplied DBMS-services, contact technical support because Natural has an internal error.

NAT6403: The parameter :1: is declared twice.

Text	The parameter ... is declared twice.
Explanation	The parameter named in the error message is declared twice. Two keywords may have been used which represent the same parameter. Alternatively, two database-numbers may have been used, although only one is allowed.
Action	Remove one of the parameters. If the parameters are correct and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6404: The equals sign is missing in the parameter :1:.

Text	The equals sign is missing in the parameter ...
Explanation	The parameter named in the error message must have an equals sign.
Action	Insert an equals sign in the parameter. If the equals sign is present and you are using supplied DBMS services, contact technical support, because an internal error occurred.

NAT6405: The value of the parameter :1: is missing.

Text	The value of the parameter ... is missing.
Explanation	The parameter named in the error message must have a value.
Action	Insert the value of the parameter. If the value is present and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6406: The parameter :1: requires a numeric value.

Text	The parameter ... requires a numeric value.
Explanation	The value of the parameter named in the error message must be numeric.
Action	Substitute a numeric value. If the value is numeric and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6407: This function requires the parameter :1:.

Text	This function requires the parameter ...
Explanation	A parameter required by this function is missing. The missing parameter is named in the error message.
Action	Add the missing parameter. If the parameters are correct and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6408: Two parameters are mutually exclusive. One is :1:.

Text	Two parameters are mutually exclusive. One is ...
Explanation	Two parameters are present which must not be used together. One of them is named in the error message.
Action	Remove one of the parameters. If the parameters are correct and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6409: A parameter, such as :1:, is missing.

Text	A parameter, such as ..., is missing.
Explanation	A parameter is missing. It can be the parameter named in the error message. Add either the parameter named in the error message or another appropriate parameter.
Action	If the parameters are correct and you are using supplied DBMS-services, contact technical support because Natural has encountered an internal error.

NAT6410: The environment variable DBENV for this database is missing.

Text	The environment variable DBENV for this database is missing.
Explanation	The environment variable DBENV contains the path of the database. Access to the database is not possible without DBENV.
Action	Add this environment variable to your environment for the database.

NAT6411: The parameter :1: has an invalid value.

Text	The parameter ... has an invalid value.
Explanation	The value of the parameter named in the error message is not valid.
Action	Substitute a valid value. If the value is valid and you are using supplied DBMS services, contact technical support because an internal error occurred.

NAT6412: The database you specified does not have a profile.

Text	The database you specified does not have a profile.
Explanation	A database must have a profile.
Action	Create a profile for the database.

NAT6413: No database exists which has the number you specified.

Text	No database exists which has the number you specified.
Explanation	No database exists with the given number.
Action	Correct the number of the database. If the error occurs during automatic start via Natural check if the the database(s) specified in the parameter SDB exist(s).

NAT6414: No database exists which has the name you specified.

Text	No database exists which has the name you specified.
Explanation	No database exist with the given name.
Action	Correct the name of the database.

NAT6415: Left parenthesis missing in value of parameter :1:.

Text	Left parenthesis missing in value of parameter ...
Explanation	The value of the parameter named in the error message should be preceded by a left (opening) parenthesis.
Action	Insert an opening parenthesis. If the syntax is correct and you are using supplied DBMS services, contact technical support because an internal error occurred.

NAT6416: Right parenthesis missing in value of parameter :1:.

Text	Right parenthesis missing in value of parameter ...
Explanation	The value of the parameter named in the error message should be followed by a right (closing) parenthesis.
Action	Insert a closing parenthesis. If the syntax is correct and you are using supplied DBMS-services, contact technical support because an internal error occurred.

NAT6417: Right parenthesis or comma missing in value of parameter :1:.

Text	Right parenthesis or comma missing in value of parameter ...
Explanation	The parameter named in the error message is part of a list, so its value should be followed by either a comma or a right (closing) parenthesis.
Action	Insert either a closing parenthesis or a comma, as appropriate. If the syntax is correct and you are using supplied DBMS services, contact technical support because an internal error occurred.

NAT6418: This combination of parameters requires parameter :1:.

Text	This combination of parameters requires parameter ...
Explanation	The parameter named in the error message is required because another parameter is present.
Action	Add the required parameter. If the parameter is present and you are using supplied DBMS services, contact technical support because an internal error occurred.

NAT6419: File :1: failed to open.

Text	File ... failed to open.
Explanation	The file named in the error message cannot be opened, either because it does not exist, or because it is already open.
Action	Check that the file exists. If it does exist, check that it is closed. If the file is already open, close it.

NAT6420: Option :1: is not yet implemented.

Text	Option ... is not yet implemented.
Explanation	The option named in the error message is not available in the current version of Natural.
Action	Either remove the option and circumvent the problem, or wait for a later version of the software.

NAT6421: The format buffer has an error at position :1:.

Text	The format buffer has an error at position ...
Explanation	The FORMAT-BUFFER or FB parameter is wrong.
Action	Check the FORMAT-BUFFER parameter and correct the error. If the parameter is correct, and you are using supplied DBMS services, contact technical support because an internal error occurred.

NAT6422: :1: and another parameter have inconsistent values.

Text	... and another parameter have inconsistent values.
Explanation	The values of two parameters are inconsistent. One of these parameters is named in the error message.
Action	Check the parameters and correct the error. If the values are consistent, and you are using supplied DBMS services, contact technical support because an internal error occured.

NAT6423: All fields already selected.

Text	All fields already selected.
Explanation	You cannot select more fields than there are.
Action	Do not select any more fields.

NAT6424: Errors occurred during a general database report by Adabas.

Text	Errors occurred during a general database report by Adabas.
Explanation	One or more errors occurred while a general database report by Adabas was being executed. The next message explains why.
Action	Press the ENTER key to display the explanation.

NAT6425: A report on database :1: (:2:) has errors.

Text	A report on database ... (...) has errors.
Explanation	One or more errors occurred while an Adabas report was being executed on the database whose name and number appear in the error message. The next message explains why.
Action	Press the ENTER key to display the explanation.

NAT6426: A report on file :1: (:2:) has errors.

Text	A report on file ... (...) has errors.
Explanation	One or more errors occurred while an Adabas report was being executed on the file whose name and number appear in the error message. The next message explains why.
Action	Press the ENTER key to display the explanation.

NAT6427: One or more errors occurred while Adabas was executing a report.

Text	One or more errors occurred while Adabas was executing a report.
Explanation	The next message explains why.
Action	Press the ENTER key to display the explanation.

NAT6428: The paths to the database are inconsistent.

Text	The paths to the database are inconsistent.
Explanation	The path in the profile of the database is different from the path where the database is stored. This can happen if the COPY command of the operating system is used to move a database.
Action	To copy a database, only use DBMS-services supplied.

NAT6429: A path must not be longer than 64 characters.

Text	A path must not be longer than 64 characters.
Explanation	A path was specified with more than 64 characters.
Action	Do not use more than 64 characters to specify the path.

NAT6430: One or more database files are missing.

Text	One or more database files are missing.
Explanation	Files may have been deleted inadvertently. Unless the message appears during a backup, each missing file has the extension .DD, .CRI or .PRF.
Action	Restore the missing files.

NAT6431: No command files exist.

Text	No command files exist.
Explanation	Before the menu item "Start DBMS Cmd-File" can be used, command files must exist. Command files are generated after an ADAREP, ADALOAD or ADAUNLOAD command.
Action	Issue an ADAREP, ADALOAD or ADAUNLOAD command, then specify a command file.

NAT6432: Subdescriptors and superdescriptors cannot be loaded or unloaded.

Text	Subdescriptors and superdescriptors cannot be loaded or unloaded.
Explanation	Subdescriptors and superdescriptors cannot be loaded or unloaded.
Action	Do not try to load or unload subdescriptors or superdescriptors.

NAT6433: The specified format is incompatible with the existing format.

Text	The specified format is incompatible with the existing format.
Explanation	Only compatible formats can be specified when data is loaded or unloaded. The following formats are compatible: SPECIFIED FORMAT EXISTING FORMAT A (alphanumeric) with A, B B (binary) with A, B, P, U G (floating point) with A, B, G P (packed decimal) with A, B. P, U U (unpacked decimal) with A, B, P, U
Action	Specify a format that is compatible with the existing format.

NAT6434: The number of occurrences is incompatible with the format-buffer.

Text	The number of occurrences is incompatible with the format-buffer.
Explanation	The number of occurrences of the next Natural CONNECTION data file must be less than or equal to the number of occurrences of the selected field.
Action	Correct the Natural CONNECTION data file.

NAT6435: The parameter NOT all databases is not allowed with ALL files.

Text	The parameter NOT all databases is not allowed with ALL files.
Explanation	The parameter combination all databases = NO and all files = YES is not allowed by ADAREP.
Action	Choose another combination of parameters.

NAT6436: One or more characters of the file name are invalid.

Text	One or more characters of the file name are invalid.
Explanation	The file name contains one or more characters that are invalid in the operating system.
Action	Specify a file name that does not contain invalid characters.

NAT6437: Either the file cannot be opened or the file is empty.

Text	Either the file cannot be opened or the file is empty.
Explanation	Either the file does not exist or the file is empty.
Action	Specify another file.

NAT6438: The number of occurrences is invalid.

Text	The number of occurrences is invalid.

Explanation	The number of occurrences must be between 1 and 199 for a multiple field and between 1 and 99 for a periodic group.
Action	Check the number of occurrences and correct the error.

NAT6439: The database number must be in the range 1 - 254.

Text	The database number must be in the range 1 - 254.
Explanation	A database must have a ID between 1 and 254. The database ID is outside this range.
Action	Enter a database number between 1 and 254.

NAT6440: Database (:1:) already exists.

Text	Database (...) already exists.
Explanation	A database with the number or name already exists. Two databases cannot have the same number or name.
Action	Enter a different name or number for the database.

NAT6441: No database (:1:) exists.

Text	No database (...) exists.
Explanation	No database exists which has the number or name you specified.

Action	Enter the correct name or number of the database.

NAT6442: DB-file (:1:) already exists.

Text	DB-file (...) already exists.
Explanation	A database file with the number or name already exists. Two database files cannot have the same number or name.
Action	Enter a different name or number for the database file.

NAT6443: No DB-file (:1:) exists.

Text	No DB-file (...) exists.
Explanation	No database file exists which has the number or name you specified.
Action	Enter the correct name or number of the database file.

NAT6444: There is not enough space available on disk.

Text	There is not enough space available on disk.
Explanation	The function could not be executed successfully because there is not enough space available on disk / diskette.
Action	Increase free space on disk.

NAT6445: The Natural extension buffer has an error at position :1:.

Text	The Natural extension buffer has an error at position ...
Explanation	The buffer in which additional specifications for the fields in Natural format are made is erroneous.
Action	If the function was called from DBMS services, contact technical support else check the contents of Natural extension buffer.

NAT6446: Number of digits after a decimal point must be between 0 and :1:.

Text	Number of digits after a decimal point must be between 0 and :1:.
Explanation	For unpacked and packed numeric fields, the number of digits after the decimal point must be between 0 and the minimum of 7 or the length of the numeric field.
Action	Check the number of digits after the decimal point and correct the error.

NAT6447: Overflow of floating point field occurs.

Text	Overflow of floating point field occurs.
Explanation	Overflow of floating point field occurs.
Action	On the PC, the maximum value for a floating-point field is bigger than on the Mainframe. This error occurs, when such a field is unloaded in Natural-CONNECTION format.

NAT6448: Startup configuration of database erroneous.

Text	Startup configuration of database erroneous.
Explanation	The database mode (standalone, fileserver) and location do not match. In order to start a database in fileserver mode, the database must not be on the local PC. Drives equal / lower than "E" are expected to be local.
Action	Correct the startup configuration via the profile-function or copy the database to a location which belongs to the mode of the database.

NAT6449: Source path and target path must be different.

Text	Source path and target path must be different.
Explanation	In this function it is not allowed to use the same path for source and target.
Action	Use different source and target paths.

112 Natural System Error Messages 6450-6499

NAT6450: All fields of the NCD file must be selected.

Text	All fields of the NCD file must be selected.
Explanation	You must select aso many fields as there are in the NCD file.
Action	Select all fields.

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.

113 Natural System Error Messages 6500-6549

NAT6500: Error Number :1: has occurred in the operating system.

Text	Error Number ... has occurred in the operating system.
Explanation	Natural has detected an error in the operating system.
Action	Contact technical support because there could be an internal error in Natural.

NAT6501: Database :1: is not active or accessible.

Text	Database ... is not active or accessible.
Explanation	The specified database is currently not active, or, if you are working with a remote database, perhaps NET-WORK is not active. If the error occurs during automatic start via Natural, try to start the database in the foreground from the command prompt (use ADAMAIN DBID) to detect the original error. If you receive the message during execution of a Natural program, start the database you require. To determine this database check the DBIDs of the corresponding DDMs. If the error occurs when transaction data is being read or written, the database specified by the parameter UDB is required.

Action	see explanation

NAT6502: The database call is too big to fit into the communication area.

Text	The database call is too big to fit into the communication area.
Explanation	Either the database call is bigger than the communication area or, if you are using either the standalone version or the file-server version of Natural, the communication area contains an earlier database call. This error can occur when an application (such as Natural or an Adabas utility) ends abnormally while waiting for an answer to the earlier database call. If you are using either the standalone version or the file-server version of Natural, restart the database. If this has no effect or you are using a different version of Natural, increase the size of the communication area and then restart the database.
Action	see explanation

NAT6504: The database has failed to answer a call within the time allowed.

Text	The database has failed to answer a call within the time allowed.
Explanation	The time limit for a database call has been reached and the database has not answered.
Action	Increase the size of the parameter that sets the time limit. If this has no effect, contact technical support because there could be an internal error in the database.

NAT6506: There is no connection to the local routing table.

Text	There is no connection to the local routing table.
Explanation	The routing table contains information about open databases. The lack of a connection to it indicates an internal error.
Action	Contact technical support.

NAT6507: The application has already accessed max. number of databases.

Text	The application has already accessed max. number of databases.
Explanation	In the current version there is a limit of 10 different databases which can be accessed by an application.
Action	Try to reduce the access to so many different databases.

NAT6508: More databases available than can be returned by apcm✲dbstate.

Text	More databases available than can be returned by apcmdbstate.
Explanation	apcmdbstate could not return all active databases because not enough space was allocated by the calling function. This message is for internal use only.
Action	Contact technical support.

NAT6509: Database is already active.

Text	Database is already active.
Explanation	The database to be started is already active.
Action	Do not start a database which is already active.

NAT6510: Database number invalid.

Text	Database number invalid.
Explanation	The database number must be in the range of 1 .. 255.
Action	Check the database number and use only numbers which are within the range specified above.

NAT6511: Internal error :1: in interface to database server.

Text	Internal error in interface to database server.
Explanation	Internal error.
Action	Contact technical support.

NAT6512: Internal error :1: in interface to TP monitor

Text	Internal error ... in interface to TP monitor

Explanation	Internal error.
Action	Contact technical support.

NAT6513: The TX interface is not available.

Text	The TX interface is not available.
Explanation	A database has been configured to use the TX interface for transaction control. However, the TX interface is not available.
Action	Make the TX interface available.

NAT6514: Error :1: from call to TX interface.

Text	Error ... from call to TX interface.
Explanation	Each nonzero response code from the TP monitor is reported with this error message.
Action	For more information see: Your TP monitor documentation.

NAT6515: ET data not available.

Text	ET data not available.
Explanation	ET data cannot be stored in databases, that are coordinated by a transaction monitor.

Action	Correct setting of ETDB or XADB parameter.

NAT6516:

Text	*** Reserved for DB Interface ***

NAT6517:

Text	*** Reserved for DB Interface ***

NAT6518:

Text	*** Reserved for DB Interface ***

NAT6520: No database found.

Text	No database found.
Explanation	No database found in the DBENV directory.

NAT6521: Semaphore already exists.

Text	Semaphore already exists.
Explanation	A semaphore which should be created exists already. Internal error.
Action	Contact technical support.

NAT6523: Mode of a semaphore is invalid.

Text	Mode of a semaphore is invalid.
Explanation	A semaphore is created with an invalid mode. Internal error.
Action	Contact technical support.

NAT6524: There are too many semaphores open.

Text	There are too many semaphores open.
Explanation	All semaphores in the system are in use.
Action	Reduce active programs which use semaphores.

NAT6525: Semaphore not found.

Text	Semaphore not found.
Explanation	A semaphore which should be used is not there. Internal error.
Action	Contact technical support.

NAT6526: Error at semaphore setting.

Text	Error at semaphore setting.

Explanation	Internal error.
Action	Contact technical support.

NAT6527: Invalid handle of semaphore.

Text	Invalid handle of semaphore.
Explanation	A semaphore was used with a wrong handle. Internal error.
Action	Contact technical support.

NAT6528: Private semaphore could not be shared.

Text	Private semaphore could not be shared.
Explanation	Internal error.
Action	Contact technical support.

NAT6529: Too many semaphore requests.

Text	Too many semaphore requests.
Explanation	A semaphore is requested too many times.
Action	End the application and the database and try again. When the error occurs again, contact technical support.

NAT6530: Semaphore timed out.

Text	Semaphore timed out.
Explanation	A semaphore timeout. Internal error.
Action	Contact technical support.

NAT6531: Semaphore owner died.

Text	Semaphore owner died.
Explanation	A semaphore could not be accessed because the owner (i.e application or database) has died. To use the semaphore again all processes which use this semaphore must stop.
Action	End the application and the database. If this is not possible, reboot the system and try again.

NAT6533: Internal semaphore error occurred.

Text	Internal semaphore error occurred.
Explanation	Internal error.
Action	Contact technical support.

NAT6542: shared memory segment with the specified name does not exist.

Text	Shared memory segment with the specified name does not exist.
Explanation	Internal error.
Action	Contact technical support.

NAT6543: Invalid handle of shared memory.

Text	Invalid handle of shared memory.
Explanation	A handle of a shared memory is invalid. Internal error.
Action	Contact technical support.

NAT6544: No more memory available.

Text	No more memory available.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swap file.
Action	Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file. Please contact your system administrator for further help.

NAT6545: Access to shared memory denied.

Text	Access to shared memory denied.
Explanation	A semaphore which should be created exists already. Internal error.
Action	Contact technical support.

NAT6547: Shared memory already exists.

Text	Shared memory already exists.
Explanation	A shared memory which should be created exists already. Internal error.
Action	Contact technical support.

NAT6549: There are too many shared segments open.

Text	There are too many shared segments open.
Explanation	All shared segments in the system are in use.
Action	Reduce active programs which use shared segments.

114 Natural System Error Messages 6550-6599

NAT6550: Disc full.

Text	Disc full.
Explanation	The device is full.
Action	Increase free space on the hard disc / floppy. Check the disk space where the swap file is located.

NAT6561: Wrong item name for DDE message used.

Text	Wrong item name for DDE message used.
Explanation	A DDE message was sent with a wrong item name.
Action	If only supplied products are involved, contact technical support. Otherwise, check which item names are required. Adabas under Windows needs the item name "ADACALL".

NAT6562: Wrong message format for DDE message used.

Text	Wrong message format for DDE message used.
Explanation	A DDE message was sent with a wrong message format.
Action	If only suppied products are involved, contact technical support. Otherwise, check which message format is required. Adabas under Windows needs the format "Adaba<u>s</u>CALL".

NAT6563: DDE message too long.

Text	DDE message too long.
Explanation	The DDE message is bigger than the communication area of the database.
Action	Increase the size of the communication area and then restart the database.

NAT6564: Locking client DDE shared memory failed.

Text	Locking client DDE shared memory failed.
Explanation	Locking the shared memory for DDE which was allocated by the client failed.
Action	Contact technical support.

NAT6565: Locking server DDE shared memory failed.

Text	Locking server DDE shared memory failed.
Explanation	Locking the shared memory for DDE which was allocated by the server failed.
Action	Contact technical support.

NAT6566: The database cannot process more than one call at a time.

Text	The database cannot process more than one call at a time.
Explanation	The database receives a DDE message when no message is expected. Probably several applications want to send calls to the database.
Action	Assure that only one application sends DDE messages to the database at one point in time.

NAT6570: Maximum number of conversations reached.

Text	Maximum number of conversations reached.
Explanation	An application or a database reached the maximum number of DDE conversations. Currently, 20 conversations are allowed. No more conversations can be initiated.
Action	Close applications or databases which are no longer needed to reduce the number of active conversations.

NAT6571: Conversation already exists.

Text	Conversation already exists.
Explanation	The conversation to be added already exists.
Action	Contact technical support.

NAT6572: Conversation does not exist.

Text	Conversation does not exist.
Explanation	The conversation to be deleted or used does not exist.
Action	Contact technical support.

NAT6573: The database is not ready to process the db call.

Text	The database is not ready to process the db call.
Explanation	A database call cannot be executed because the database is going down or an internal error occurred.
Action	Check if the database is still active. If not, restart the database and execute the application again, otherwise contact technical support.

NAT6574: Shared memory cannot be allocated for DDE.

Text	Shared memory cannot be allocated for DDE.
Explanation	The allocation of shared memory neccessary for DDE failed.
Action	Check the configuration of the operating system and, if necessary, correct it. Otherwise, either make room on the hard disc for the swap-file, or move the swap file to another disc.

NAT6575: Maximum number of applications reached.

Text	Maximum number of applications reached.
Explanation	Under WINDOWS, the maximum number of applications which are allowed to use ADALNK.DLL at the same time is reached. Currently, a maximum of 10 applications are allowed.
Action	Reduce the number of active applications.

NAT6576: Application not found.

Text	Application not found.
Explanation	Internal information about an application was not found.
Action	Contact technical support.

NAT6580: Creation of NATPAGE file failed.

Text	Creation of NATPAGE file failed.
Explanation	The file is already open or is protected against reading or writing, or an internal error occurred.
Action	Check whether the file is already open or is protected against reading or writing. If not, contact technical support.

NAT6581: Current screen size differs from the stored size.

Text	Current screen size differs from the stored size.
Explanation	The sizes of the screens which are stored in the NATPAGE file differ from the current screen size. It is not possible to display a NATPAGE screen or to add a new screen to the NATPAGE file.
Action	Either change the screen size so that the NATPAGE screens can be displayed or create a new NATPAGE file with %P.

NAT6582: NATPAGE screen cannot be stored because of memory problems.

Text	NATPAGE screen cannot be stored because of memory problems.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file.

Action	Please contact your system administrator for further help.

NAT6583: NATPAGE internal error.

Text	NATPAGE internal error.
Explanation	NATPAGE internal error found.
Action	Contact technical support.

NAT6599: NETWORK error :1: occurred.

Text	NETWORK error ... occurred.
Explanation	Natural has detected a NETWORK error.
Action	See the description of the NETWORK error.

115 Natural System Error Messages 6600-6649

NAT6600: You have pressed a key that has no function in this context.

Text	You have pressed a key that has no function in this context.
Explanation	The following keys are valid in this context: Page Up, Page Down, Cursor Up, Cursor Down, Home, End, function keys F1-F12 and the editing command keys. To display a list of the editing command keys, press the CHOICE key: F2.
Action	Press one of the keys named above.

NAT6601: Not enough memory available to build internal editing structure.

Text	Not enough memory available to build internal editing structure.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file.

Action	Please contact your system administrator for further help.

NAT6602: The data area in the source area has an incorrect format.

Text	The data area in the source area has an incorrect format.
Explanation	A data area is stored in a specific format. A data area with an incorrect format has been read into the source area. The data area has either been edited using a different editor or been imported from another computer without using the downloading utilities or migration utilities that are provided.
Action	Either recreate the data area or, if it has been imported from another computer, import it using the downloading utilities or migration utilities that are provided.

NAT6603: No editing function is assigned to the function key you pressed.

Text	No editing function is assigned to the function key you pressed.
Explanation	The editing functions that are available and the keys to which they are assigned are shown in the display at the bottom of the screen.
Action	Press a key to which an editing function is assigned.

NAT6604: The requested function cannot be applied to this line.

Text	The requested function cannot be applied to this line.
Explanation	The requested function has no meaning for a line of this type.

Action	Either choose a function that applies to a line of this type, or use the function to a type of line to which it applies.

NAT6605: Parsing a comment block of the data area editor caused an error.

Text	Parsing a comment block of the data area editor caused an error.
Explanation	After each CHECK, STOW or GEN command, the comment block of the data area editor is parsed to generate corresponding Natural code. The comment block in question does not have the format expected. This could be an internal error.
Action	Contact technical support. To continue working, delete the line where the error occurred, and type it in again.

NAT6606: Invalid level number specified. Valid levels are 1 to 99.

Text	Invalid level number specified. Valid levels are 1 to 99.
Explanation	Valid level numbers are 1 to 99.
Action	Enter a valid level number.

NAT6607: An invalid field type was entered.

Text	An invalid field type was entered.
Explanation	To display a list of valid field types, press the CHOICE key: F2.
Action	Enter a valid field type.

NAT6608: Comment plus array definition/parent block/DDM too long (max :1:)

Text	Comment plus array definition/parent block/DDM too long (max ...)
Explanation	When you specify an array definition, a parent block or a DDM, the total size of this definition plus any corresponding comment is restricted to a maximum number. In the current line more than the maximum number of characters have been entered. Shorten the comment so that it fits into the space available.
Action	Shorten the comment so that it fits into the space available.

NAT6609: Data area too large to fit into Natural source area.

Text	Data area too large to fit into Natural source area.
Explanation	There is not enough space in the source area to insert a field, to generate Natural code or to open a new source. Either the data area exceeds 512 KB or several source areas are active. All objects currently in the source area together must not exceed the source area size defined with the Configuration utility.
Action	If the data area exceeds 512 KB, either reduce it or divide it into two. Otherwise, close any other source texts that are open, or use the Configuration utility to increase the size of the source area.

NAT6610: This line cannot be redefined.

Text	This line cannot be redefined.
Explanation	Perhaps the line contains a field that has already been redefined.

Action	Either choose a function that applies to a line of this type, or apply the redefinition to a line where it has meaning.

NAT6611: New level must be greater than the level of the redefined field.

Text	New level must be greater than the level of the redefined field.
Explanation	When a field is redefined, the level of the new (redefining) fields must be greater than the level of the field that is redefined.
Action	Enter a level that is greater than the level of the redefined field.

NAT6612: Not enough bytes remain for such a long redefining field.

Text	Not enough bytes remain for such a long redefining field.
Explanation	The number of bytes in all redefining fields cannot be greater than the number of bytes in the field that is redefined.
Action	Enter a number no greater than the number of bytes left.

NAT6613: The name of the copycode is missing in the GENERATE command.

Text	The name of the copycode is missing in the GENERATE command.
Explanation	The GENERATE command requires the name of the copycode that is to be generated.
Action	Enter the name of the copycode.

NAT6614: The number of parameters in the direct-command line is not valid.

Text	The number of parameters in the direct-command line is not valid.
Explanation	A valid command has been entered with the wrong number of parameters.
Action	Substitute correct parameters.

NAT6615: This form of the SET command is not valid.

Text	This form of the SET command is not valid.
Explanation	SET TYPE is the only SET command that is available in Natural. It must be followed by one of the following parameters: A, G, GLOBAL, L, LOCAL or PARAMETER.
Action	Substitute a valid form of the SET command.

NAT6616: No more memory in the data area editor.

Text	No more memory in the data area editor.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swapfile. Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file.
Action	Please contact your system administrator for further help.

NAT6617: DDM with the specified name does not exist.

Text	DDM with the specified name does not exist.
Explanation	A view must belong to an existing DDM.
Action	Enter the name of an existing DDM.

NAT6618: An error occurred while a DDM was being processed.

Text	An error occurred while a DDM was being processed.
Explanation	The internal format of the DDM is inconsistent.
Action	Try to edit the DDM again. If this has no effect, contact technical support because there could be an internal error.

NAT6619: The * command applies only to periodic groups or multiple fields.

Text	The * command applies only to periodic groups or multiple fields.
Explanation	The * command creates a counter field (c*). Only periodic groups and multiple fields can have counter fields.
Action	Either choose a function that applies to a line of this type, or apply the * command to a line where it has meaning.

NAT6620: WARNING: Changes in an array may cause errors in initialization.

Text	WARNING: Changes in an array may cause errors in initialization.
Explanation	When an array definition is added to a field, deleted or changed, errors may occur if an initial value has been specified for the field.
Action	Delete initial values or enter new initial values, if appropriate.

NAT6622: A periodic group must have between 1 and 191 occurrences.

Text	A periodic group must have between 1 and 191 occurrences.
Explanation	A periodic group has a number of occurrences outside this range.
Action	Enter a number between 1 and 191.

NAT6623: A multiple field must have between 1 and 191 occurrences.

Text	A multiple field must have between 1 and 191 occurrences.
Explanation	A multiple field has a number of occurrences outside this range.
Action	Enter a number between 1 and 191.

NAT6624: The upper limit cannot be less than the lower limit.

Text	The upper limit cannot be less than the lower limit.

Explanation	The upper limit is less than the lower limit.
Action	Enter an upper limit that is at least as great as the lower limit.

NAT6625: No editing block is defined in this data area.

Text	No editing block is defined in this data area.
Explanation	You cannot HIDE (unmark) an editing block until you have defined (marked) an editing block.
Action	Choose another function.

NAT6626: The HIDE command is only valid within an editing block.

Text	The HIDE command is only valid within an editing block.
Explanation	This line is outside the editing block in this data area.
Action	Enter the HIDE command within the editing block.

NAT6627: A block can only be defined in a global data area.

Text	A block can only be defined in a global data area.
Explanation	A block can be defined in a data area only if the type of the data area is GLOBAL.
Action	Choose another function.

NAT6628: Not enough memory to open the clipboard.

Text	Not enough memory to open the clipboard.
Explanation	Either the operating system is not configured correctly or there is not enough space on the disc for the system swap file.
Action	Check the configuration settings of the operating system and correct them if neccessary. Then check the available disk space for your system swap file. Please contact your system administrator for further help.

NAT6629: Nothing to paste - clipboard is empty.

Text	Nothing to paste - clipboard is empty.
Explanation	Nothing has yet been copied into the clipboard. The clipboard is empty so nothing can be pasted from it.
Action	No action is required.

NAT6630: The beginning of the editing block is not marked with X.

Text	The beginning of the editing block is not marked with X.
Explanation	The end of an editing block cannot be marked with Y until the beginning of the editing block is marked with X.
Action	Use the line command X to mark the beginning of the editing block.

NAT6631: No Edit Mask or Initialisation allowed in a parameter data area.

Text	No edit mask or initialisation allowed in a parameter data area.
Explanation	You cannot specify an edit mask or an initstring in a parameter data area.
Action	Erase edit mask or initialisation.

NAT6632: Constants must not be defined in parameter data areas.

Text	Constants must not be defined in a parameter data areas.
Explanation	A constant can be defined in a data area only if the type of the data area is GLOBAL or LOCAL.
Action	Choose another function.

NAT6633: The generation of a global unique ID failed.

Text	The generation of a global unique ID failed.
Explanation	A new global unique ID was definded, but NaturalX failed to provide it.
Action	Check your NaturalX installation.

NAT6634: A value clause may only be specified within parameter data areas.

Text	A value clause may only be specified within parameter data areas.
Explanation	With this option, it is possible to pass parameters to a subprogram or subroutine by value. That means, the actual parameter values (instead of their addresses) are passed to the subprogram or subroutine. Consequently, the fields in the subprogram or subroutine need not have the same format and length as the CALLNAT or PERFORM parameters.
Action	You may not specify the value clause for local and global data areas.

NAT6635: An invalid field value clause was entered.

Text	An invalid field value clause was entered.
Explanation	To display a list of valid field value clauses, press the CHOICE key: F2.
Action	Enter a valid field value clause.

NAT6636: Length of a large alphanumeric or binary field must be less 1 GB.

Text	Length of a large alphanumeric or binary field must be less 1 GB.
Action	Enter a valid length for variable.

116 Natural System Error Messages 6700-6749

NAT6700: File with the specified number does not exist.

Text	File with the specified number does not exist.
Explanation	Internal error. Check the number you specified. If it is correct and you are using supplied DBMS services, contact technical support because an internal error occurred. To continue working, restart the DBMS services. If this has no effect, restart the database.
Action	see explanation

NAT6701: File number that is required in this database call is missing.

Text	File number that is required in this database call is missing.
Explanation	This database call must specify a file number. Check that you specified a file number. If you did and you are using suppload DBMS services, contact technical support because an internal error occurred. To continue working, restart the DBMS services. If this has no effect, restart the database.

Action	see explanation

NAT6702: This database call specifies neither file name nor file number.

Text	This database call specifies neither file name nor file number.
Explanation	This database call must specify either a file name or a file number. Check that you specified either a file name or a file number. If you did and you are using supplied DBMS services, contact technical support because an internal error occurred. To continue working, restart the DBMS services. If this has no effect, restart the database.
Action	see explanation

NAT6703: Due to an internal error, no file can be created.

Text	Due to an internal error, no file can be created.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the DBMS services. If this has no effect, restart the database.

NAT6704: Function cannot be executed because the file contains records.

Text	Function cannot be executed because the file contains records.
Explanation	The file must be empty to execute this function.

Action	Delete the records from the file and execute this function again.

NAT6706: An area (physical file) with the specified number already exists.

Text	An area (physical file) with the specified number already exists.
Explanation	Internal error. Supplied DBMS services tried to create a new area (physical file) with a number that is already in use.
Action	Contact technical support. To continue working, restart the DBMS services. If this has no effect, restart the database.

NAT6707: Due to an internal error, no descriptor can be created.

Text	Due to an internal error, no descriptor can be created.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the DBMS services. If this has no effect, restart the database.

NAT6708: Due to an internal error, a descriptor cannot be found.

Text	Due to an internal error, a descriptor cannot be found.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the database.

NAT6709: Due to an internal error, a field cannot be found.

Text	Due to an internal error, a field cannot be found.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the database.

NAT6710: A field with incompatible characteristics already exists.

Text	A field with incompatible characteristics already exists.
Explanation	The FDT is being restored for a file which already contains data. A field already exists whose characteristics are incompatible with those of the corresponding new field.
Action	Compare the old FDT with the new FDT and correct the error.

NAT6711: Attempt to build too many descriptor fields of an existing file.

Text	Attempt to build too many descriptor fields of an existing file.
Explanation	Not more than 14 fields can be used to build descriptors at the same time. For example, this error would occur if you tried to create four superdescriptors at the same time, each made up of four fields.
Action	Build the descriptors in several steps.

NAT6712: Looking for the number of records in a file caused an error.

Text	Looking for the number of records in a file caused an error.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the database.

NAT6713: Due to an internal error, the number of fields is incorrect.

Text	Due to an internal error, the number of fields is incorrect.
Explanation	Internal error when storing an FDT.
Action	Contact technical support. To continue working, restart the DBMS services.

NAT6714: Due to an internal error, the number of the area is missing.

Text	Due to an internal error, the number of the area is missing.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the DBMS services.

NAT6715: Due to an internal error, the format of a field is incorrect.

Text	Due to an internal error, the format of a field is incorrect.

Explanation	Internal error.
Action	Contact technical support. To continue working, restart the DBMSservices.

NAT6716: Due to an internal error, the length of a field is incorrect.

Text	Due to an internal error, the length of a field is incorrect.
Explanation	Internal error.
Action	Contact technical support. To continue working, restart the DBMSservices.

NAT6717: The sequence of existing fields in the file must not be changed.

Text	The sequence of existing fields in the file must not be changed.
Explanation	If a file contains data, you must not change the sequence of existing fields.
Action	Compare the old FDT with the new FDT and correct the error.

NAT6718: The structure of the internal ET data is inconsistent.

Text	The structure of the internal ET data is inconsistent.
Explanation	ET data is either corrupt or missing, perhaps because the database was created using a pre-beta version of the software.

Action	Contact technical support.

NAT6719: A normal field must not be unique.

Text	A normal field must not be unique.
Explanation	The unique option is only valid for descriptors, not for normal fields.
Action	Check FDT and correct error.

NAT6720: A multiple field / field in pe-group must not become descriptor.

Text	A multiple field / field in pe-group must not become descriptor.
Explanation	If a file contains data, it is not possible to turn a multiple value field or a field in a periodic group into a descriptor. This is valid for new fields, too.
Action	Check FDT and correct error.

117 Natural System Error Messages 6750-6799

NAT6750: First page of .DD file not available.

Text	First page of .DD file not available.
Explanation	Internal error when creating a database.
Action	Internal error. Contact technical support.

NAT6751: Page size lower than 512 bytes.

Text	Page size lower than 512 bytes.
Explanation	The page size of the database is lower than the minimum limit.
Action	If error occurs using the database services, contact technical support, else check the parameter PAGE-SIZE of the program ADACREA.

NAT6752: Due to an internal error an area could not be created.

Text	Due to an internal error an area could not be created.
Explanation	Internal error when creating an area.
Action	Contact technical support.

NAT6753: Due to an internal error a file could not be created.

Text	Due to an internal error a file could not be created.
Explanation	Internal error when storing a FDT.
Action	Contact technical support.

NAT6754: Due to an internal error a file description could not be fetched.

Text	Due to an internal error a file description could not be fetched.
Explanation	Internal error when reading a FDT.
Action	Contact technical support.

NAT6755: Due to an internal error a field could not be inserted.

Text	Due to an internal error a field could not be inserted.

Explanation	Internal error when storing a FDT.
Action	Contact technical support.

NAT6756: Due to an internal error an area description couldn"t be fetched.

Text	Due to an internal error an area description couldn"t be fetched.
Explanation	Internal error when reading an area description.
Action	Contact technical support.

NAT6757: Due to an internal error a descriptor could not be inserted.

Text	Due to an internal error a descriptor could not be inserted.
Explanation	Internal error when storing a FDT.
Action	Contact technical support.

NAT6758: Due to an internal error a field description couldn"t be fetched.

Text	Due to an internal error a field description couldn"t be fetched.
Explanation	Internal error when reading a FDT.
Action	Contact technical support.

NAT6759: Due to an internal error a descriptor could not be fetched.

Text	Due to an internal error a descriptor could not be fetched.
Explanation	Internal error when reading a FDT.
Action	Contact technical support.

NAT6760: Due to internal error part of a descriptor couldn"t be inserted.

Text	Due to internal error part of a descriptor couldn"t be inserted.
Explanation	Internal error when storing a FDT.
Action	Contact technical support.

NAT6761: Due to an internal error a field description couldn"t be changed.

Text	Due to an internal error a field description couldn"t be changed.
Explanation	Internal error when changing a FDT.
Action	Contact technical support.

NAT6782: Invalid handle used. Internal error of backup/restore.

Text	Invalid handle used. Internal error of backup/restore.

Explanation	An invalid handle was used. Internal error of backup/restore.
Action	Contact technical support.

NAT6783: The file for the backup is in read-only mode.

Text	The file for the backup is in read-only mode.
Explanation	The file should be written to a read-only medium or the file is write-protected.
Action	Check the backup medium and the directory for backup and correct error.

NAT6784: The file for the restore is in read-only mode.

Text	The file for the restore is in read-only mode.
Explanation	The file should be written to a read only medium or the file is write-protected.
Action	Check the restore medium and the directory for restore and correct error.

NAT6785: Internal error of backup/restore.

Text	Internal error of backup/restore.
Explanation	Internal error.

Action	Contact technical support.

NAT6786: No R-lock could be set on file for backup / restore.

Text	No R-lock could be set on file for backup / restore.
Explanation	Due to an update conflict no R-lock could be set for backup / restore.
Action	Check that no other application uses the database for update.

NAT6787: No X-lock could be set on file for backup / restore.

Text	No X-lock could be set on file for backup / restore.
Explanation	Due to an update conflict no X-lock could be set for backup / restore.
Action	Check that no other application uses the database.

NAT6788: It is not possible to lock all files for backup / restore.

Text	It is not possible to lock all files for backup / restore.
Explanation	Due to an update conflict not locks could be set for backup / restore.
Action	Check that no other application uses the database.

118 Natural System Error Messages 6800-6849

NAT6800: The device specified is not valid.

Text	The device specified is not valid.
Explanation	If the device is a floppy disc, it must be either A or B. If it is a hard disc, it must be either C or another alphabetic character that has been defined for the hard disc or for part of the hard disc.
Action	Enter a valid character.

NAT6801: The disc must be formatted and must not be write-protected.

Text	The disc must be formatted and must not be write-protected.
Explanation	The disc in the drive is either unformatted, or formatted but write-protected.
Action	Use another disc which is formatted and not write-protected.

NAT6802: The specified path does not exist.

Text	The specified path does not exist.
Explanation	The path must exist in the environment for correct processing.
Action	Specify a path that exists.

NAT6803: Import failed: the object(s) are not known to Natural.

Text	Import failed: the object(s) are not known to Natural.
Explanation	The import failed due to an internal error in the FTOUCH routine.
Action	Contact technical support.

NAT6804: Invalid name for object.

Text	Invalid name for object.
Explanation	This name is not specified for an object or does not exist in a library.
Action	Check the name of the object.

NAT6805: A file cannot be created or written because it cannot be opened.

Text	A file cannot be created or written because it cannot be opened.

Explanation	The file is already open or is write-protected, or an internal error occurred.
Action	Check whether the file is already open or write-protected. If not, contact technical support.

NAT6806: Due to an error in the write buffer, a file cannot be written.

Text	Due to an error in the write buffer, a file cannot be written.
Explanation	Error in write buffer.
Action	Try to write the work file again. If this has no effect, contact technical support.

NAT6807: A source file cannot be deleted.

Text	A source file cannot be deleted.
Explanation	Either the file is write-protected, or an internal error occurred.
Action	Check whether the file is write-protected. If it is not, contact technical support.

NAT6808: A cataloged file cannot be deleted.

Text	A cataloged file cannot be deleted.
Explanation	Either the file is write-protected or an internal error occurred.

Action	Check whether the file is write-protected. If it is not, contact technical support.

NAT6809: The record of a file cannot be deleted in directory FILEDIR.SAG.

Text	The record of a file cannot be deleted in directory FILEDIR.SAG.
Explanation	Either the directory FILEDIR.SAG is missing, or its contents is corrupt. Ask your administrator to check if the directory FILEDIR.SAG is missing or its contents is corrupt. A corrupt directory can be deleted and should then be recreated automatically for the first file that is copied or moved into the library. The records of the other files in the library must then be imported into the directory. Until an importing program is available to all users, the administrator uses the program FTOUCH to import these records. If the directory is missing, contact technical support because an internal error occurred.
Action	see explanation

NAT6810: A file record cannot be inserted in the directory FILEDIR.SAG.

Text	A file record cannot be inserted in the directory FILEDIR.SAG.
Explanation	The directory FILEDIR.SAG is missing, its contents is corrupt, or it has no space for the new record. Ask your administrator to check if the directory FILEDIR.SAG is missing or its contents is corrupt. A corrupt directory can be deleted and should then be recreated automatically for the first file that is copied or moved into the library. The records of the other files in the library must then be imported into the directory. Until an importing program is available to all users, the administrator uses the program FTOUCH to import these records. If the directory is missing, contact technical support because an internal error occurred.

Action	see explanation

NAT6811: Rename failed: path is incorrect or file name not in directory.

Text	Rename failed: path is incorrect or file name not in directory.
Explanation	A file was not renamed because it was not found. Perhaps the path of the file or the extension of the file name has been changed. Otherwise, an internal error occurred.
Action	Ask your administrator to check the path of the file and the extension of the file name, and to correct any errors. If both are correct, contact technical support.

NAT6812: Rename failed: file with same name already exists in library.

Text	Rename failed: file with same name already exists in library.
Explanation	The file could not be renamed because a file with the suggested new name already exists in this library.
Action	Either choose a different new name for the file, or delete the existing file.

NAT6813: The object has an invalid extension so it cannot be imported.

Text	The object has an invalid extension so it cannot be imported.
Explanation	An object can be imported only if its extension is valid in Natural.

Action	Use the operating system to change the extension so that it is valid in Natural.

NAT6814: Two objects with the same name cannot be imported.

Text	Two objects with the same name cannot be imported.
Explanation	Two objects with the same name (but not necessarily the same extension) have been selected to be imported. Only one of them can be imported.
Action	Select only one of the two objects.

NAT6815: This module name already exists in a system or step library.

Text	This module name already exists in a system or step library.
Explanation	A module name which is already used in a system library or in a step library cannot be used for a DDM in this library.
Action	Choose another module name for this DDM.

NAT6816: The new name must be shorter than the old names.

Text	The new name must be shorter than the old names.
Explanation	Several objects can be selected and then renamed by changing the first character or characters of their names. At least one character must remain unchanged at the end of every name. The new character strings must be shorter than the old ones.

Action	Specify a new name which is shorter than any of the old names.

NAT6817: The header of a DDM has an incorrect format.

Text	The header of a DDM has an incorrect format.
Explanation	The header of a DDM must have a specific format.
Action	Either use the DDM editor to edit the header and correct its format, or ask your administrator to use the editor of your operating system to edit the header and correct its format.

NAT6818: The module name of a DDM is incorrect.

Text	The module name of a DDM is incorrect.
Action	Either use the DDM editor to edit and correct the module name, or ask your administrator to use the editor of your operating system to edit and correct the module name.

NAT6819: No valid library with this name can be found.

Text	No valid library with this name can be found.
Explanation	You either entered the name incorrectly or the library you are looking for is not part of this environment.
Action	Correct your input or create a new library.

NAT6820: Invalid DBID/FNR.

Text	Invalid DBID/FNR.
Explanation	A library with this DBID/FNR does not exist and cannot be created.
Action	You can declare a new DBID/FNR in the Configuration Utility -> Global Configuration File -> System Files.

NAT6821: The file :1: for choice/help menu cannot be found.

Text	The file ... for choice/help menu cannot be found.
Explanation	Copy this file to the correct path.
Action	Check if the file exists and if it is in the correct path.

NAT6822: The file :1: cannot be written into memory file.

Text	The file ... cannot be written into the memory file.
Explanation	Read error when trying to read the file ... in order to write it to a memory file.
Action	Check if the file exists and if its contens is correct.

NAT6823: Identical DDM names in cur. lib, step lib or SYSTEM not allowed.

Text	Identical DDM names in cur. lib, step lib or SYSTEM not allowed.

Explanation	A DDM cannot be copied to the library System, or Step Lib because of identical names.
Action	Change the name of the DDM or move the DDM if you want to use the old name.

NAT6824: Library full.

Text	Library full.
Explanation	A library can only contain a certain number of objects (depending on the type). This number has been reached.
Action	Choose another library.

NAT6825: :1: cannot be created, logging is switched off.

Text	Unable to open/create ... for logging, logging is switched off.
Explanation	The file NATSYSM.LOG for logging taces from SYSMAIN cannot be opened/created, so SYSMAIN continues to work without logging
Action	Doesn"t matter, go on without logging |

NAT6826: Overwrite not possible if the max. number of objects is reached.

Text	Overwrite not possible if the max. number of objects is reached.
Explanation	When the max.limit of objects in one library has been reached you can no longer use COPY, MOVE, RENAME, or IMPORT.

Action	Delete one object.

NAT6827: Not enough space available on disk.

Text	Not enough space available on disk
Explanation	The function could not be executed successfully because there is not enough space available on drive / discette.
Action	Increase free space on disk.

NAT6828: DosQFSInfo (check free space) returns error :1:

Text	DosQFSInfo (check free space) returns error ...
Explanation	Internal error returned by the system function DosQFSInfo when checking whether enough free space is available for the imported file.
Action	Check the error return code and check your system|

NAT6829: The maximum size permitted for a Natural object is 65k.

Text	The maximum size permitted for a Natural object is 65k.
Explanation	A Natural object cannot exceed 65k. If you create an object larger than this externally, you will not be able to import it into Natural.
Action	Reduce the size of the object to less than 65k.

NAT6830: Not enough memory to create a file buffer.

Text	Not enough memory to create a file buffer.
Explanation	Perhaps too many programs have been loaded.
Action	Restart the program SYSMAIN. If this has no effect, contact technical support because an internal error occurred.

NAT6831: Not enough memory to create an array.

Text	Not enough memory to create an array.
Explanation	Not enough memory to create an array in which to store a selection list. Perhaps too many programs have been loaded.
Action	Restart the program SYSMAIN. If this has no effect, contact technical support because an internal error occurred.

NAT6832: Internal error :1:.

Text	Internal error ....
Explanation	A system call has resulted in an internal error.
Action	Restart Natural.

NAT6833: Environment variable :1: not found.

Text	Environment variable ... not found.
Explanation	An environment variable which can be set with the "Set" command cannot be found.
Action	Set the environment variable you want to use, or type in the full path name.

NAT6834: No Natural object found, path invalid or no permission.

Text	No Natural object found, path invalid or no permission.
Explanation	You cannot read any object in this path. Either there is no Natural object in this directory, the directory of this path is not valid or permissions are denied.
Action	Check directory, path specifications and read permissions.

NAT6835: :1: returned by stack or nucleus call.

Text	... returned by stack or nucleus call.
Explanation	Nucleus cannot perfom a stack command.
Action	Retry the action. If error occurs again contact technical support.

NAT6836: :1: lib(s) found, access denied by Security.

Text	... lib(s) found, access denied by Security.
Explanation	... lib(s) found, access denied by Natural Security
Action	Make sure you have the permission to work within this lib.

NAT6837: :1: lib(s) found for this file, access denied by Security.

Text	... lib(s) found for this file, access denied by Security.
Explanation	... lib(s) found, access denied by Natural Security.
Action	Make sure you have the permission to work within this lib.

NAT6838: Invalid USER✾ID.

Text	Invalid USERID.
Explanation	Object(s) with this USERID do not exist.
Action	Type in the correct USERID or "*" for wildcard.

NAT6839: Invalid DATE/TIME.

Text	Invalid DATE/TIME.

Explanation	Object(s) with this DATE/TIME or newer do not exist.
Action	Type in the correct DATE/TIME or "0" for all.

NAT6840: Invalid MODE.

Text	Invalid MODE.
Explanation	Object(s) with this mode (source or cataloged) do not exist.
Action	Select another MODE or both.

NAT6841: Cannot delete file.

Text	Cannot delete file.
Explanation	Natural tried to delete a file, but access to the file was denied by the operating system.
Action	Check permission for the files in question.

NAT6842: Sharing violation received during file/folder deletion

Text	Sharing violation received during file/folder deletion
Explanation	Natural cannot access the file because it is being used by another ↩ process.
Action	Release usage of file or folder.

NAT6843: Too many matches, Please use more specific selection criteria

Text	Too many matches, Please use more specific selection criteria
Explanation	The List utility can not display all matching objects of a library
Action	Please use another selection criteria

119 Natural System Error Messages 6850-6899

NAT6890: The map source cannot be loaded into the editor.

Text	The map source cannot be loaded into the editor.
Explanation	This map cannot be read by the map editor, because the map source contains an invalid Natural syntax or the internal definitions used by the map editor cannot be resolved.
Action	In most cases that is an internal error. Contact technical support.

NAT6899: Internal error :1:

Text	Internal error ...
Action	In most cases that is an internal error. Contact technical support.

120 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.

121 Natural System Error Messages 6950-6999

NAT6950: Library could not be dynamically loaded.

Text	Library could not be dynamically loaded.
Explanation	A library required at run time could not be found or could not be loaded. Check system search path for dynamically loaded libraries. Has this been changed in any way since Natural was installed? If not, it could be that you are trying to access a component which was not installed. If this is also not the case, contact SAG support.
Action	see explanation

NAT6951: Procedure in dynamically loaded library could not be found.

Text	Procedure in dynamically loaded library could not be found.
Explanation	A procedure required at run time could not be found in a dynamically loaded library.

Action	Check system search path for dynamically loaded libraries. In particular, check that the system is not loading any libraries from a different Natural version to the one which is currently running.

NAT6952: Natural Reporter function did not complete successfully.

Text	Natural Reporter function did not complete successfully.
Explanation	The Natural Reporter failed to carry out the requested function successfully. Check the documentation to ensure that the requested function is being used correctly. Can the series of operations being performed by the program be carried out successfully by hand from within the Reporter when used standalone? If so, has OLE been installed correctly? If the cause of the problem still cannot be found, contact technical support.
Action	see explanation

NAT6953: Natural/Reporter Interface not initialized.

Text	Natural/Reporter Interface not initialized.
Explanation	An attempt was made to call a Natural/Reporter interface function without first initializing the interface. Either no initializing call has been made, or a call to terminate the interface has been performed, in which case the interface needs to be re-initialized. Note that it is only necessary to initialize and terminate the Natural/Reporter interface once per Natural session.
Action	Modify program to include a statement to (re-)initialize the Natural/Reporter interface.

NAT6954: Requested report could not be found.

Text	Requested report could not be found.
Explanation	If the report is specified by name (i.e., an OPEN request), the specified report could not be located in the file system. Otherwise, the specified report ID is not valid. Check that the report name contains no path or file extension information, is not longer than 8 characters, and exists in the NATGUIBMP path as specified in the SAG.INI file. Or check that the report ID corresponds to a valid ID, as returned by a previous OPEN (for example, check the response code from the OPEN to verify that the report was opened correctly). Confirm that no CLOSE request has been issued against this report in the meantime|
Action	see explanation

NAT6955: Too many active reports.

Text	Too many active reports.
Explanation	The maximum number of reports concurrently maintainable by the Natural/Reporter Interface has been reached.
Action	Modify program to issue a CLOSE request for each report as soon as it is no longer needed, or if it will probably not be used again for a significant length of time.

NAT6956: Invalid parameter(s).

Text	Invalid parameter(s).
Explanation	This error can have various causes: - the number of parameters supplied is incorrect - one or more mandatory parameters were not supplied - one or more parameters were specified with an incorrect format and/or length

Action	Check the parameters used in the program against the documentation.

NAT6957: Invalid print device.

Text	Invalid print device.
Explanation	Either the specified printer has not been set up in the Configuration utility, or it is not associated with the TTY print method.
Action	Check the printer settings in the Configuration Utility -> Global Configuration File -> Printer Profiles.

NAT6958: Invalid work file.

Text	Invalid work file.
Explanation	Either the specified work file has not been set up (statically in the Configuration utility or dynamically via DEFINE WORK FILE), or the file does not exist, or it is not a Natural CONNECTION (*.NCD) work file.
Action	Check the work file name against the above criteria.

NAT6959: Failed to save resources to private resource file.

Text	Failed to save resources to private resource file.
Explanation	Along with the dialog source, resources needed to be saved. This action failed. Possible reasons: - Problems to access the current library - Problems accessing/creating the resource directory in the current library - Problems writing/appending to the private resource file - Problems executing dynamic functions - Memory problems

Action	Check the subdirectories of the library the dialog was saved in. If you cannot solve the problem there, contact technical support.

NAT6960: Unable to import (private) resource :1: into library :2:.

Text	Unable to import (private) resource ... into library ....
Explanation	The importing of a resource failed. If the resource is a private resource, the corresponding object to which the private resource belongs must be present in the library and its type must be the same as the type of the private resource.
Action	Resolve the type conflict by either importing the appropriate resource and/or by first replacing the corresponding Natural object in the target library. If in doubt, contact technical support.

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.

NAT6980: Invalid parameter.

Text	Invalid parameter.
Explanation	One or more invalid parameters were entered with the command.
Action	Check the DDE client program to ensure that all parameters are in the proper order and are of the correct type. Check the command description in the documentation for valid input.

NAT6981: Member or file already exists.

Text	Member or file already exists.
Explanation	An operation tried to update or replace an existing member or file.

Action	Check the command description in the documentation and reissue the command using the "Replace" parameter.

NAT6982: Unable to read DDM transfer file.

Text	Unable to read DDM transfer file.
Explanation	Error while reading a DDM transfer file.
Action	Ensure that the file is not being accessed by another application and that the file exists.

NAT6983: Editor is not active.

Text	Editor is not active.
Explanation	An editor command was issued for an editor which was not active.
Action	Start the editor and reissue the command.

NAT6985: Library not found.

Text	Library not found.
Explanation	A delete or rename command was issued for a library which does not exist.
Action	Ensure that the name of the library and reissue the command.

NAT6986: Library already exists.

Text	Library already exists.
Explanation	The library cannot be renamed because a library by this name already exists.
Action	Choose another name.

NAT6987: Unable to change type.

Text	Unable to change type.
Explanation	The editor was unable to change the type to the new type.
Action	Check to ensure that valid types are being used for the type of editor and reissue the command.

NAT6989: Shutdown interrupted.

Text	Shutdown interrupted.
Explanation	The user cancelled the shutdown process by responding "No" or "Cancel" to the shutdown prompt.

NAT6990: Invalid DDM type.

Text	Invalid DDM type.

Explanation	An invalid type or invalid information was found in a DDM transfer file.
Action	Check the documentation for valid DDM transfer options.

NAT6991: Editor is empty.

Text	Editor is empty.
Explanation	An attempt was made to perform a Natural command for an empty editor.

NAT6992: Editor is active.

Text	Editor is active.
Explanation	An attempt was made to perform a Natural command such as rename or delete for an active editor.
Action	Close the editing session and reissue the command.

NAT6993: Editor list is empty.

Text	Editor list is empty.
Explanation	The list command was issued when no active editors were active.

NAT6994: Short name conflict.

Text	Short name conflict.

Explanation	A GenDDM transfer file was entered in which short names are missing.
Action	Ensure that the transfer file - contains a short name for every field or - contains no sort names in any field.

NAT6999: Internal DDE server error.

Text	Internal DDE server error.
Explanation	An internal DDE server error occurred. Write down all information about how the error occurred and contact technical support. Please provide the following information: 1. Command and parameters issued which led to problem. 2. Member information (type, member, library) for which the command (above) was issued. 3. Description of how error occurs (if reproducible). 4. Topics to which other clients or multiple connections were connected (if any were active). 5. If more than one client was active, whether they were performing operations simultaneously.
Action	See explanation

122 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 higher is set, special fast machine instructions are generated. These operations are more sensitive for invalid numeric data than the standard code generated for ARCH=8 or lower. Using ARCH=10 or higher 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.

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.

123 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", "zVSE", "zVM" or "BS2000".
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 suppot 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 (NATASM82).
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.

124 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.

125 Natural System Error Messages 7300-7349

NAT7300: Dynamic parameter not found.

Text	Dynamic parameter not found.
Explanation	A keyword cannot be recognized by the dynamic parameters facility. Either you have specified a parameter which does not exist, or you have misspelt a parameter name.
Action	Restart Natural session with correct parameter specifications.

NAT7301: Invalid LFILE assignment.

Text	Invalid LFILE assignment.
Explanation	Either you have specified invalid dynamic LFILE values or the assigments in the parameter module are invalid.
Action	Correct the respective LFILE assigments.

126 Natural System Error Messages 7350-7399

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: Load of DB2COMRE failed.

Text	Load of DB2COMRE failed.
Explanation	During initialization of the Natural SQL interface under Com-plete, the Com-plete to DB2 interface DB2COMRE could not be loaded. Typically DB2COMRE is not defined as RESIDENTPAGE.
Action	Contact your Com-plete 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.

127 Natural System Error Messages 7400-7449

NAT7400: Value for dynamic parameter missing.

Text	Value for dynamic parameter missing.
Explanation	Invalid syntax in dynamic parameters. Probably an equal sign (=) or a keyword value is missing.
Action	Restart the Natural session with correct specification of dynamic parameters.

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.

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.

128 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. (56/0) Thread overflow size OVSIZE exceeded. 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 (56/0) increase OVSIZE.

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.

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.

129 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.

130 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.

131 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: System command cannot be executed if WEB I/O is active.

Text	System command cannot be executed if WEB I/O is active.
Explanation	If WEB I/O is active, the system commands SCAN, LIST, SYSMAIN, CATALL and GLOBALS cannot be executed from the command line.
Action	Do not enter any of the system commands mentioned above.

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.

132 Natural System Error Messages 7800-7849

NAT7801: Dialog cannot be used as generic document window. Reason: :1:.

Text	Dialog cannot be used as generic document window. Reason: ....
Explanation	This error can occur when a Natural dialog is to be displayed as a generic document window in Natural Studio. Common reasons are: (1) The dialog was not created or has already been closed. (2) The dialog is not of type "MDI plug-in window". (3) The creation of the generic document window failed.
Action	Make sure that the dialog has been created and that it is of type "MDI plug-in window".

NAT7802: Natural runtime system is busy.

Text	Natural runtime system is busy.
Explanation	An attempt was made to execute or run a program or dialog through the Natural Studio Automation interface, while the Natural runtime in that session was already executing. This is not possible.

Action	No action required.

133 Natural System Error Messages 7950-7999

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.

134 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	Error parsing XML document, line ... col. ...; reason .... 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 the description of the PARSE XML statement 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. 4: XML input document is invalid. 5: Unsupported encoding is used. 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".

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 the description of the PARSE JSON statement in the Natural documentation.
Action	Correct the JSON input document.

135 Natural System Error Messages 8400-8449

NAT8400: Tamino error :1: occurred.

Text	Tamino error ... occurred.
Explanation	Tamino has encountered an error.
Action	For more information, see Tamino Messages and Codes.

NAT8401: Internal error :1: in Tamino database handler.

Text	Internal error ... in Tamino database handler.
Explanation	An internal error occurred in the Tamino database handler. The error code is contained in the error message.
Action	Contact technical support and quote the complete error message.

NAT8402: Natural for Tamino runtime error :1:.

Text	Natural for Tamino runtime error ....
Explanation	The following Natural for Tamino runtime error has occurred: - 1: The value specified for the index of an array is less than 1.
Action	Check program and correct error.

NAT8410: Wrong URL for DBID :1:.

Text	Wrong URL for DBID ....
Explanation	The URL used in the request is wrong, or an invalid protocol type is specified in the URL, or the specified server behind this URL could not be contacted.
Action	Check the URL in the Natural configuration file and correct it, or check the existence of the server in the URL.

NAT8411: HTTP request failed with response code :1:.

Text	HTTP request failed with response code ....
Explanation	A HTTP request returns a response code not equal to "200". The standardized response code indicates the possible error situation.
Action	Examine the response code and correct the error or contact technical support.

NAT8412: Internal error in HTTP request.

Text	Internal error in HTTP request.
Explanation	An error occurred while executing an HTTP request.
Action	Contact technical support.

NAT8415: Error while mapping XML Schema to DDM with reason :1:.

Text	Error while mapping XML Schema to DDM with reason ....
Explanation	Possible reasons: 1: Illegal syntax used in XML Schema. 2: Unresolved element reference. 3: Unresolved type reference. 4: Unresolved group reference. 5: Requested doctype or schema not found.
Action	Check the validity of the XML Schema. References have to be resolved within the Schema internally.

NAT8416: Maximum number of nested levels exceeded.

Text	Maximum number of nested levels exceeded.
Explanation	The maximum number of nested levels in a DDM is 99. This number was exceeded while generating a DDM from the given XML Schema.
Action	Modify the XML Schema so that is has fewer nested structures.

NAT8417: Internal error in DDM generation for Tamino XML Schema.

Text	Internal error in DDM generation for Tamino XML Schema.
Explanation	An error has occurred while generating a Natural DDM from a Tamino XML Schema definition.
Action	Contact technical support.

NAT8418: Use of unsupported XML schema element :1:.

Text	Use of unsupported XML schema element ....
Explanation	An unsupported XML schema element was used: 1: "mixed=true" (mixed content mode) is not allowed. 2: maxOccurs > 1 not allowed for sequence, choice and all. 3: wildcards (any, anyAttribute) are not allowed.
Action	Do not use the stated XML schema element when generating a DDM for this schema.

136 Natural System Error Messages 9000-9049

NAT9000: Natural error text 9nnn cannot be displayed.

Text	Natural error text 9nnn cannot be displayed.
Explanation	For error NAT9nnn, there is no specific error message available.

137 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 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 technical 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.

138 Natural System Error Messages 9950-9999

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: NAT: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.
Action	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: Invalid system file information.

Text	Invalid system file information.
Explanation	The database ID and/or file number of the Natural system file FNAT have been changed, but the Natural system environment has not been adjusted to this change.
Action	Use function "A" of the INPL utility to adjust the system environment.

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.