COMPILER DIAGNOSTICS

The general format of a compiler diagnostic is:

SIMh hh c CARD nnnn text

hhh three hexa-digits giving compiler component issuing message
(first hexadigit) and message serial within component.

c Severity code:

W Warning; the compiler has detected a possibly
erroneous construction but compilation and object
program generation continue.

3 Recovery error; The program contained an error that
could be corrected by inserting or changing some
symbols(s) in the program.

7 Severe error; the compiler had to discard part of
the program, but the compilation could continue.
Object module output is suppressed.

B Severe error; the compilation is terminated after
the current scan of the program text.

E Severe error; the compilation stops at once.

F Internal error; follow report procedure in Appendix
K.

nnnn Card number at which the error was detected.

text Message text. Lower-case letters and the sequence
XXXX in the message text denote fields that will be
filled with relevant information when the message is
printed.

Compiler messages:

If an internal error message is given for a compilation, this might be
a result of a bad recovery from another error. Could this be the case,
correct these errors and recompile the program.

In case only an internal error message is given, please report the
error to NCC as described in the SIMULA Programmers Guide.

SIM000 F LINE nnnn INTERNAL ERROR: PROGRAM INTERRUPT (n)
AT hhhhhhh RELATIVE TO LINKEDIT ORIGIN

User response: Follow report procedure.

SIM001 E XXXX CANNOT BE OPENED, DDCARD MAY BE MISSING

User response: Supply or correct the DD-card.
SYSUT3 BUFFER SIZE SPECIFIED TOO BIG - REDUCED TO nn BYTES

Explanation: The two SYSUT3 buffers could not be placed in the area specified (by default, or by use of the SIZE parameter - see section 2.2.3.1 for a description of the use of the SIZE parameter and its default values).

User response: Change SIZE parameter if used, otherwise contact a systems programmer.

SIM003 F ATTEMPT TO READ PAST END OF FILE ON SYSLIB - INTERNAL COMPILER ERROR

User response: Follow report procedure.

SIM004 E LINE nnnn I/O ERROR

Explanation: An input/output error occurred when the compiler was writing the object module. A SYNADAF message further identifying the cause of error is also printed.

User response: Check the corresponding DD-card for invalid parameters. If none are found, consult a system programmer.

SIM005 F LINE nnnn EDF ON SYSUTn

User response: Follow report procedure.

SIM006 E LINE nnnn I/O ERROR ON SYSUTn

User response: Check the corresponding DD-card. If it appears to be correct, consult a systems programmer.

SIM007 F LINE nnnn EDF ON SYSIN

User response: Follow report procedure.

SIM008 3 LINE 0000 SYSPUNCH COULD NOT BE OPENED, 'NODECK' ASSUMED

Explanation: The DD-card for SYSPUNCH was probably missing although a deck had been requested.

Compiler action: No object deck is punched.

SIM009 3 LINE 0000 SYSGO COULD NOT BE OPENED, 'NOLOAD' ASSUMED

Explanation: Analogous to SIM008.

SIM00A E LINE nnnn I/O ERROR ON SYSIN

User response: Check that the SYSIN DD-card defines a SIMULA source program (App.A). If no error is found, contact a systems programmer.
SIM008 E LINE nnnn ATTEMPT TO WRITE ON SYSUT1 OR SYSUT2
WITH BLKSIZE xxx > LIMBLKSZ xxx

Internal message.

SIM00C W 0000 MAXERROR SPECIFIED TOO LARGE, 50 USED

Explanation: The user has requested too many errors to be listed.

Compiler action: A maximum of 50 errors will be listed.

SIM00D E LINE nnnn ESTIMATED NUMBER OF PAGES EXCEEDED

User response: Increase value of the compiler parameter MAXPAGES if more printed output is required.

SIM00E E LINE nnnn ESTIMATED COMPILATION TIME EXCEEDED

User response: Increase value of the compiler parameter TIME, remember though that the value should remain less than the EXEC step time limit (if any).

SIM00F F LINE nnnn ILLEGAL SYMBOL (hhhhhhhh) DETECTED BY OUTSYM - INTERNAL ERROR

User response: Follow report procedure.

SIM010 F LINE nnnn ILLEGAL SYMBOL (hhhhhhhh) DETECTED BY INSYM - INTERNAL ERROR

User response: Follow report procedure.

SIM0FF F RELEASE nnnn IS OUT OF DATE AND MUST BE REPLACED

Explanation: All delivered systems have only limited duration and must be withdrawn from time to time. Updated fresh copies are delivered in good time for replacement so that the responsibility for installation of new releases resides with the licencee.
Messages from Pass 1:

SIM101 3 LINE nnnn NEAR COLUMN nn, EXCESS DECIMAL POINT
Explanation: More than one decimal point was found in a numeric item.
Compiler action: The excess decimal point is ignored.

SIM102 3 LINE nnnn NEAR COLUMN nn, MISSING DIGIT
Compiler action: The digit 0 is inserted.

SIM103 3 LINE nnnn NEAR COLUMN nn, EXCESS EXPONENT
Explanation: More than one & in a numeric item.
Compiler action: Previous exponent used as mantissa, new exponent developed.

SIM104 B MISSING TEXT QUOTE
Explanation: The source program ended inside a text constant.
User response: Check all text constants (note that any text quotes must be before or in column 72).

SIM105 7 LINE nnnn NEAR COLUMN nn, MISSING CHARACTER QUOTE
Compiler action: The quote that was found is ignored.
User response: Check if a character was intended. If so, add the missing quote. Note that a character constant must be on one card only, and that the power-of-ten symbol is (E), not ('').

SIM106 7 LINE nnnn NEAR COLUMN nn, ILLEGAL CHARACTER
Explanation: A character which cannot be part of a SIMULA source program is found outside a comment or a character or text constant.
Compiler action: Character is treated as blank.

SIM107 7 LINE nnnn NEAR COLUMN nn, 'GO' NOT FOLLOWED BY 'TD'
Compiler action: 'GO' is regarded as 'GOTO'.

SIM108 7 LINE nnnn NEAR COLUMN nn, 'REAL' EXPECTED AFTER 'LONG'
Compiler action: 'REAL' is inserted.

SIM109 7 LINE nnnn NEAR COLUMN nn, 'INTEGER' EXPECTED AFTER 'SHORT'
Compiler action: 'INTEGER' is inserted.
SIM10A 7 LINE nnnn NEAR COLUMN nn, '=' EXPECTED

Explanation: '=' should be followed by '='.

Compiler action: '=' is assumed to mean '<>'.

SIM10B E LINE nnnn MORE THAN nnnn DIFFERENTLY SPELLED
IDENTIFIERS, ID TABLE FULL - CORE SIZE TOO SMALL

User response: If there are more than 3072 differently
spelled identifiers, the program must be re-written;
otherwise it may be compiled in a larger core area.

SIM10C 3 LINE nnnn NEAR COLUMN nn, DIGIT EXPECTED
AFTER '&'.

Compiler action: '&' is disregarded.

SIM10D 3 LINE nnnn NEAR COLUMN nn, INTEGER LARGER
THAN 2^31-1, TAKEN AS REAL

Compiler action: The integer constant is converted to a
real constant.

SIM10E 8 LINE nnnn END OF FILE WHILE SCANNING COMMENT

SIM10F W LINE nnnn NEAR COLUMN nn, SEMICOLON MAY BE
MISSING FOLLOWING END

Explanation: A ';' or 'GOTO' is found in an
end comment. This may happen if the semicolon terminating
the end comment has been omitted.

SIM110 7 LINE 0000 NO SOURCE PROGRAM TEXT

User response: Check the SYSIN DD-card.

SIM111 3 LINE nnnn NEAR COLUMN nn, NUMBER TOO BIG

Compiler action: The largest representable number is used
(appr. 10^975).

SIM112 3 LINE nnnn NEAR COLUMN nn, NUMBER UNDERFLOW,
O USED AS VALUE

User response: Read section 3.1 of this manual.

SIM113 3 LINE nnnn NEAR COLUMN nn, EXPONENT > 75

Compiler action: cf. SIM111.

SIM114 7 LINE nnnn NEAR COLUMN nn, UNMATCHED 'END'

Explanation: More 'END's than 'BEGIN's.

User response: Check the program structure. BEGIN-END
numbering in right margin should be useful for this purpose.
SIM115 3 LINE nnnn TOO MANY BITS IN A NONDEcimal CONSTANT - TRUNCATED

Explanation: This message is related to use of unsupported feature (nondecimal numerals).

SIM116 8 LINE nnnn DEBUG CODE INCORRECTLY SPECIFIED

User response: Check for mis-punch in column 1.

SIM117 7 LINE nnnn NEAR COLUMN nn, 'TO' NOT PRECEDED BY 'GO'

Compiler action: 'TO' is ignored.

User response: Use a different identifier if 'TO' is meant as such, otherwise insert 'GO'.

SIM118 7 LINE nnnn 'EXTERN' NOT SPECIFIED - OBJECT MODULE OUTPUT CANCELLED

Explanation: The source program is a class or procedure definition.

User response: Correct the program of supply the EXTERN parameter to the compiler.

SIM119 7 LINE nnnn '%COPY' NOT FOLLOWED BY VALID NAME, OR '%COPY' FOUND IN COPIED CODE

Explanation: 1. The first non-blank character after '%COPY' was not alphabetic, or no non-blank character was found in the remaining portion of the card
   or 2. The code to be copied contained a '%COPY' statement.

Guide to user: 1. Specify name of existing source module on same card as '%COPY'.
   2. Avoid recursive copy.

Compiler action: Card ignored.

SIM11A 7 LINE nnnn SYSLIB CANNOT BE OPENED - DD-CARD MAY BE MISSING

Compiler action: No copy code accepted.

SIM11B 7 LINE nnnn MEMBER TO BE COPIED NOT FOUND ON SYSLIB

Compiler action: '%COPY' statement is ignored.

User response: Check the '%COPY' statement and, if necessary, the source library.

SIM11C 7 LINE nnnn SYSLIB BLKSIZE GREATER THAN 3200

Compiler action: '%COPY' statement is ignored.

User response: Check the SYSLIB DD-card and, if necessary, reblock the library (see (?)).
SIM110  7    LINE    nnnn    I/O    ERROR    ON    SYSLIB    DURING    DIRECTORY
            SEARCH

Compiler    action:   'SCOPY'    statement    is    ignored.

User    response:    Consult    a    systems    programmer.    (List    and
correct    the    PDS    directory,    or    recreate    the    PDS).

SIM11E  7    LINE    nnnn    I/O    ERROR    ON    SYSLIB    WHILE    READING    A
            MEMBER

Compiler    action:   'SCOPY    member'    is    ignored.

User    response:    Recreate    the    number    or,    if    necessary,    the
            entire    library.

SIM11F  8    LINE    nnnn    LENGTH    OF    TEXT    CONSTANT>132    (ONE
            PRINTED    LINE)

User    response:    Check    for    missing    or    improperly    punched
            text    quote.    If    no    quote    is    missing,    ignore    message.

SIM120  8    LINE    nnnn    NUMBER    OF    IDENTIFIERS    (INCLUDING
            STANDARD    IDENTIFIERS)×nnn    >    3072.

Explanation:    The    maximum    number    of    differently    spelled
            identifiers    allowed    in    this    implementation    is    3072.

User    response:    Redecclare    quantities    where    possible.

SIM121  8    LINE    nnnn    'EXTERNAL    CLASS'    NOT    FOLLOWED    BY
            VALID    ID

SIM122  8    LINE    nnnn    NOT    ENOUGH    SPACE    FOR    TREATING    IDS    OF
            EXTERNAL    CLASS,    (NIDS=xxx,    yyy    BYTES    LACKING)

User    response:    Recompile    in    a    longer    partition.

SIM124  8    LINE    nnnn    EXTERNAL    CLASS    DECLARATION    IN    COPIED
            CODE    -    ATTEMPT    TO    READ    FROM    SYSLIB    RECURSIVELY

Explanation:    Code    segments    inserted    by    SCOPY    statement
            must    not    contain    other    SCOPY    statement    or    external    class
            declaration.

SIM125  8    LINE    nnnn    UNEXPECTED    END    OF    FILE    WITHIN    AN
            EXTERNAL    CLASS

User    response:    Verify    that    entire    separately    compiled
            class    is    submitted    -    if    the    problem    persists,    contact    NCC.

SIM126  8    LINE    nnnn    INCORRECT    FORMAT    IN    EXTERNAL    CLASS    CODE

Explanation:    Internal    error,    please    report    to    NCC,
            together    with    a    hexadecimal    dump    of    the    precompiled    class
            and    the    listing    showing    the    error.
SIM127  B  LINE  nnnn  INCORRECT SYNTAX IN EXTERNAL CLASS DECLARATION

Explanation: Internal error, please report to NCC, together with a hexadecimal dump of the precompiled class and the listing showing the error.

SIM128  3  LINE  nnnn  DIGIT >= RADIX IN A NON-DECIMAL CONSTANT

Explanation: The error is related to use of unsupported feature.

SIM129  7  LINE  nnnn  RADIX NOT 2,4,8 OR 16

Explanation: The error is related to use of unsupported feature.

SIM12A  7  LINE  nnnn  EXTERNAL CLASS OUTPUT SUPRESSED - SYSPUNCH CANNOT BE OPENED

User response: Check presence and validity of SYSPUNCH data set definition. It must be either a sequential data set or a PDS member.

SIM12B  W  LINE  nnnn  INTEGER LESS THAN -2**31, TAKEN AS REAL

Explanation: A value of a fixed-point literal in the program text exceeds the hardware dictated limit.

SIM12C  W  LINE  nnnn  TOO MANY BITS IN A NONDECIMAL INTEGER CONSTANT, TAKEN AS LONG REAL

Explanation: A hexadecimal constant with more than 8 hexadecimal digits occurring in the program text, not appended by L.

SIM12D  7  LINE  nnnn  EXTERN SPECIFIED, BUT NEITHER PROCEDURE NOR CLASS SUPPLIED

Explanation: Compiler parameter EXTERN value was different from zero, however a main program in the form of a (prefixed) block or a compound statement was detected on SYSPIN.

SIM12E  W  LINE  nnnn  'XXXXXXXX IS AN UNKNOWN KIND OF EXTERNAL PROCEDURE, TREATED AS 'ASSEMBLY'

Explanation: A word following external was different from FORTRAN, ASSEMBLY, PROCEDURE or any known type.

SIM12F  W  LINE  nnnn  NOT EXACTLY COMPLETE PROGRAM, AT LEAST 'END' MISSING

Explanation: A SIMULA program must have form of a compound statement or a (prefixed) block. Neither of these were found on SYSPIN.
SIM130 3 LINE nnnn MISSING DELIMITER IN EXTERNAL DECLARATION

Explanation: A comma missing as a separator in the identifier list of an external declaration.

SIM131 W LINE nnnn HIDDEN/PROTECTED FEATURE IS NOT IMPLEMENTED

Explanation: Attribute protection feature was used in the compiled program but it will not give the expected effect because the present release does not contain an implementation of this feature's semantics.
Messages from Pass 3:

SIM301 3 LINE nnnn THE SPECIFICATION OF THE PARAMETER XXXX HAS BEEN OMITTED

Compiler action: The parameter is given the specification INTEGER called by value.

Guide to user: If this specification was not intended superfluous messages may follow.

SIM302 3 LINE nnnn THE PARAMETER XXXX IS NOT IN THE FORMAL PARAMETER LIST

Explanation: The mode part of a procedure of class declaration specifies a parameter not in the formal parameter list.

Compiler action: The specification is ignored. This may cause 'UNDECLARED' messages later.

SIM303 E LINE nnnn STACK OVERFLOW

Explanation: The program has been embedded to too many levels of 'BEGIN', 'IF' (...) symbols and/or formal parameters.

SIM304 B LINE nnnn STACK UNDEFFLOW: YOU PROBABLY HAVE TOO MANY 'END's

Explanation: There are too many 'END':s or some missing 'BEGIN':s in the program.

Compiler action: The program text is discarded until a new 'BEGIN' symbol is found. Then the syntax for a program is applied to the remaining part, and message SIM310 is issued.

SIM305 7 LINE nnnn MISSING DELIMITER BEFORE XXXX

Explanation: A constant or identifier is not separated from the succeeding identifier by a delimiter.

Compiler action: Statement is discarded.

SIM306 7 LINE nnnn WRONG DELIMITER: XXXX IS ILLEGALLY PLACED

Compiler action: Statement is discarded.

SIM307 7 LINE nnnn SEMICOLON OMITTED AFTER FORMAL PARAMETER PART.

Compiler action: The erroneous program text is discarded.

SIM308 7 LINE nnnn IMPROPER QUALIFICATION: IT SHOULD HAVE THE FORM REF(<IDENTIFIER>)

Compiler action: Declaration/specification discarded.
SIM309 7 LINE nnnn MISPLACED CONSTANT
   Explanation: An identifier or constant is immediately followed by a constant.
   Compiler action: Statement discarded.

SIM30A 7 LINE nnnn XXXX IS ILLEGALLY PLACED
   Compiler action: Statement discarded.

SIM30B 7 LINE nnnn MISSING IDENTIFIER AFTER 'IN', 'IS' OR 'QUA'
   Compiler action: Statement discarded.

SIM30C 7 LINE nnnn ILLEGAL CONSTRUCTION: THE CLAUSE BEFORE XXXX IS NOT PROPERLY ENDED
   Compiler action: Statement discarded.
   Guide to user: May be caused by an earlier error.

SIM30D 7 LINE nnnn IMPROPER ACTIVATION STATEMENT
   Compiler action: Statement discarded.

SIM30E 3 LINE nnnn ILLEGAL USE OF PRIOR: 'PRIOR' MAY BE USED ONLY WITH 'AT' OR 'DELAY'
   Compiler action: 'PRIOR' is ignored.

SIM30F 3 LINE nnnn THE FORMAL PARAMETER XXXX IS SPECIFIED MORE THAN ONCE
   Compiler action: The latest specification is used and any mode definition for this parameter is ignored.

SIM310 3 LINE nnnn A SWITCH, LABEL, REF QUANTITY OR PROCEDURE - SUCH AS XXXX - MAY NOT BE PASSED BY VALUE; THE DEFAULT MODE IS SET.

SIM311 3 LINE nnnn THE FORMAL PARAMETER XXXX HAS DUPLICATE NAME/VALUE MURES
   Compiler action: The first specified mode is used.

SIM312 7 LINE nnnn ILLEGAL SPECIFICATION: 'VIRTUAL' MUST BE FOLLOWED BY A COLON
   Compiler action: Statement discarded.

SIM313 F INTERNAL ERROR - CONTACT A SYSTEMS PROGRAMMER
   User response: Follow report procedure.
SIM314 3 LINE nnnn DUPLICATE 'INNER': AT MOST ONE INNER
    MAY APPEAR PER CLASS BODY

    Compiler action: 'INNER' is ignored.

SIM315 3 LINE nnnn MISPLACED 'INNER': INNER MUST APPEAR
    AS A STATEMENT ON ITS OWN AT THE OUTERMOST BLOCK
    LEVEL OF A CLASS BODY

    Compiler action: Statement is ignored.

SIM316 7 LINE nnnn ILLEGAL WHEN BRANCH: THE IDENTIFIER
    IS MISSING IN 'WHEN <IDENTIFIER> DD'

    Compiler action: The clause is ignored.

SIM317 7 LINE nnnn ILLEGAL WHEN BRANCH: THE DD IS MISSING
    IN 'WHEN <IDENTIFIER> DD'

    Compiler action: An extra do has been inserted.

SIM318 8 LINE nnnn UNBALANCED PROGRAM: A FURTHER 'BEGIN'
    HAS BEEN FOUND AFTER THE 'END' WHICH MATCHED THE
    INITIAL 'BEGIN'

    Compiler action: Start from scratch.

SIM319 3 LINE nnnn UNBALANCED PROGRAM DUE TO INSUFFICIENT
    'END'S: EXTRA 'END'S HAVE BEEN INSERTED AT THE
    FINISH OF YOUR PROGRAM

SIM31A 7 LINE nnnn UNBALANCED PARENTHESES BEFORE ':='
    OR ':='

    Compiler action: Statement is discarded.

SIM31B 7 LINE nnnn A BRACKETED EXPRESSION IS NOT A LEGAL
    STATEMENT

    Compiler action: Expression is ignored.

SIM31C 3 LINE nnnn MISPLACED NAME/VALUE PART - THE DEFAULT
    MODE HAS BEEN TAKEN. PLACE IT BEFORE THE
    SPECIFICATIONS.

SIM31D 3 LINE nnnn PASS 3 RECOVERY HAS INSERTED A 'BEGIN'
    HERE. THIS CHANGES IN SCOPE MAY GIVE RISE TO
    SPURIOUS ERROR MESSAGES IN LATER PASSES.

SIM31E 7 LINE nnnn THE PROGRAM TEXT STOPPED IN THE MIDDLE
    OF A CONSTRUCTION - PROBABLY DUE TO MISSING LINES.

SIM31F 3 LINE nnnn NO SEMI-COLON FOUND AFTER A
    PARENTHEZIZED FORMAL-PARAMETER-LIST. AN EXTRA ';'
    HAS BEEN INSERTED.

SIM320 3 LINE nnnn THE CONSTRUCTION 'IF ... THEN
    INSPECT/FOR/WHERE ELSE' IS ILLEGAL. WRAP THE
    STATEMENT FOLLOWING THE 'THEN' IN A 'BEGIN - END'
    PAIR.
SIM321  7 LINE nnnn MISSING IDENTIFIER AFTER THE KEYWORD 'CLASS/PROCEDURE'.
SIM322  7 LINE nnnn MISSING ATTRIBUTE IDENTIFIER AFTER A DOT (',').
SIM323  7 LINE nnnn TEXT CONSTANTS ARE NOT ALLOWED TO THE IMMEDIATE LEFT OR RIGHT OF REFERENCE COMPARATORS ('==', '=/=').
SIM324  8 LINE nnnn LABEL, SWITCH OR PROCEDURE MAY NOT BE USED AS A CLASS PARAMETER SPECIFIER.
SIM325  3 LINE nnnn LEFT PARENTHESIS OMITTED IN 'REF(IDENTIFIER)'. AN EXTRA '(' HAS BEEN INSERTED.
SIM326  3 LINE nnnn RIGHT PARENTHESIS OMITTED IN 'REF(IDENTIFIER)'. AN EXTRA ')' HAS BEEN INSERTED.
Messages from Pass 4:

SIM401 F LINE nnnn INTERNAL ERROR - IMPROPER BLOCK NESTING

User response: Follow report procedure.

SIM402 F LINE nnnn STACK OVERFLOW IN STACK nn (nn ENTRIES WERE ALLOCATED)

User response: Follow report procedure.

SIM403 F LINE nnnn INTERNAL ERROR - STACK UNDERFLOW IN STACK nn

User response: Follow report procedure.

SIM404 F LINE nnnn INTERNAL ERROR - MISPLACED SYMBOL XXXX

User response: Follow report procedure.

SIM405 7 LINE nnnn NUMBER OF PARAMETERS TO PROC/CLASS EXCEEDS 127

Explanation: See section 3.3.

SIM406 7 LINE nnnn NUMBER OF VIRTUAL SPECIFICATIONS EXCEEDS 255

Explanation: See section 3.3.

SIM407 7 LINE nnnn FOR-STATEMENT NESTING LEVEL EXCEEDS 30

SIM408 7 LINE nnnn NUMBER OF SWITCH ELEMENTS EXCEEDS 127

SIM409 7 LINE nnnn ARRAY DIMENSION EXCEEDS 127

Explanation: An array declaration indicated more than 127 subscripts.

SIM410 7 LINE nnnn MORE THAN 127 IDENTIFIERS IN ID LIST

Explanation: A declaration list (i.e., a list of identifiers separated by commas in a declaration part) had more than 127 elements.

User response: Divide the list into lists with less than 127 elements.

SIM408 F LINE nnnn INTERNAL ERROR - STACK INDEX (nn) OUT OF RANGE

User response: Follow report procedure.
Messages from Pass 5:

SIM501 F LINE nnnn INTERNAL ERROR - XXXX WAS READ INSTEAD OF 'SUBLQL' SYMBOL

User response: Follow report procedure.

SIM502 F LINE nnnn INTERNAL ERROR - XXXX WAS READ INSTEAD OF 'LQLEND' SYMBOL

User response: Follow report procedure.

SIM503 7 LINE nnnn CLAS XXXX HAS UNDECLARED PREFIX XXXX

Compiler action: Prefix is ignored.

SIM504 7 LINE nnnn ILLEGAL PREFIX XXXX TO CLASS XXXX, XXXX IS NOT A CLASS

Compiler action: Prefix is ignored.

SIM505 7 LINE nnnn CLASS XXXX, DECLARED AT BLOCK LEVEL nn, IS USED AS PREFIX AT LEVEL nn

User response: Declare the subclass or prefixed block at the same block level as the prefix.

SIM506 7 LINE nnnn ILLEGAL PREFIX TO CLASS XXXX, XXXX BECAME VISIBLE THROUGH CONNECTION

User response: Declare the class in the class body of the connected class.

SIM507 7 LINE nnnn CLASS XXXX OCCURS IN ITS OWN PREFIX CHAIN

Compiler action: Prefix is ignored.

SIM508 7 LINE nnnn AMBIGUOUS IDENTIFIER XXXX (THIS DECLARATION OF XXXX REPLACES THE LAST MADE ON LINE nnnn)

Explanation: An identifier has been declared twice in a block.

SIM509 7 LINE nnnn CONFLICTING VIRTUAL SPECIFICATION OF XXXX IN CLASS XXXX

Explanation: XXXX (first occurrence) has been specified VIRTUAL twice in a prefix chain.

SIM50A 8 LINE nnnn QUALIFYING CLASS XXXX OF REFERENCE QUANTITY XXXX IS UNDECLARED (XXXX IS ASSUMED TO BE OF TYPE 'INTEGER')

Guide to user: The altered meaning of the quantity will probably trigger other error message.
SIM508 B LINE nnnn QUALIFIER XXXX OF REFERENCE QUANTITY XXXX IS NOT A CLASS (XXX IS ASSUMED TO BE OF TYPE 'INTEGER')

Guide to user: cf. SIM50A.

SIM50C 7 LINE nnnn MATCHING QUANTITY XXXX IN CLASS XXXX IS OF IMPROPER KIND

Compiler action: The quantity will not be regarded as a match, and the virtual specification will become invisible (i.e., no further matches will be accepted).

SIM50D 7 LINE nnnn MATCHING QUANTITY XXXX IN CLASS XXXX IS OF IMPROPER TYPE

Compiler action: cf. SIM50C.

Guide to user: Read section 4.2.

SIM50E 7 LINE nnnn MATCHING PROCEDURE XXXX IN CLASS XXXX IS NOT SUBORDINATE

Compiler action: cf. SIM50C.

Guide to user: Read section 4.2.

SIM50F E LINE nnnn CAPACITY ERROR - ALLOCATE STACK OVERFLOW: TRY DECLARING SUBCLASSES BEFORE THEIR PREFIXES

Guide to user: This compiler capacity limitation can always be overcome by preceding a sufficient number of prefixed classes by their subclasses.

SIM510 E LINE nnnn ILLEGAL PREFIX XXXX - PREFIX LEVEL EXCEEDS 62

Explanation: See section 3.3.

SIM511 B LINE nnnn UNDECLARED BLOCK PREFIX XXXX

Compiler action: Prefix is ignored.

SIM512 E LINE nnnn STATIC BLOCK LEVEL GREATER THAN 15

Explanation: See section 3.3.

SIM513 W LINE nnnn QUALIFICATIONS XXXX AND XXXX HAVE INCOMPATIBLE BLOCK LEVELS

Explanation: The qualifications are either not on the same prefix chain or one of them has become visible by connection.
SIM514  B LINE nnnn QUALIFICATIONS XXXX AND XXXX ARE INCOMPATIBLE

Explanation: The qualifications are not on the same prefix chain.

SIM515  F LINE nnnn INTERNAL ERROR - XXXX IS UNKNOWN KEY SYMBOL

User response: Follow report procedure.

SIM516  7 LINE nnnn SYSTEM CLASS XXXX CANNOT BE USED FOR PREFIXING

Explanation: See section 4.1.

SIM517  7 LINE nnnn XXXX IS AN ILLEGAL BLOCK PREFIX (DUE TO LOCAL OBJECT(S) IN CLASS XXXX)

SIM518  B LINE nnnn MISPLACED TEXT EXPRESSION BEFORE XXXX

SIM519  B LINE nnnn MISPLACED OBJECT EXPRESSION BEFORE XXXX

SIM51A  B LINE nnnn MISPLACED VALUE EXPRESSION BEFORE XXXX

Guide to user: May result from the compiler recovery action in SIM50A or SIM50B.

SIM51B  B LINE nnnn MISPLACED NON-OBJECT EXPRESSION BEFORE XXXX

Guide to user: cf. SIM51A.

SIM51C  B LINE nnnn MISPLACED NON-REFERENCE EXPRESSION AFTER XXXX

SIM51D  B LINE nnnn MISPLACED NON-ARITHMETIC EXPRESSION AFTER XXXX

SIM51E  E LINE nnnn OPERAND STACK CAPACITY EXCEEDED - SIMPLIFY EXPRESSION

User response: If error persists after simplification, follow report procedure.

SIM51F  F LINE nnnn INTERNAL ERROR - OPERAND STACK UNDERFLOW

User response: Follow report procedure.

SIM520  7 LINE nnnn ATTEMPT TO MATCH VIRTUAL SPECIFICATION XXXX OF XXXX BY A FORMAL PARAMETER

Compiler action: The formal parameter will become invisible, but the virtual specification will be further matchable.
SIM521  B LINE nnnn IDENTIFIER XXXX IN OBJECT GENERATOR
       IS NOT A CLASS IDENTIFIER

SIM522  F LINE nnnn INTERNAL ERROR - SYMBOL 'SUBLQL'
       SCANNED IN 5B

       User response: Follow report procedure.

SIM523  F LINE nnnn INTERNAL ERROR - OPERAND STACK DATA
       ENTRY hhhhhhhh UNSTACKED

       User response: Follow report procedure.

SIM524  F LINE nnnn INTERNAL ERROR - SYMBOL 'OTHR'
       SCANNED IN 5B

       User response: Follow report procedure.

SIM525  7 LINE nnnn IDENTIFIER XXXX IS UNDECLARED

       Compiler action: A dummy declaration is inserted, which
       may cause other errors (51A, 51B, 51C).

SIM526  B LINE nnnn MISPLACED TEXT OR REFERENCE EXPRESSION
       AFTER XXXX

SIM527  B LINE nnnn IMPROPER TYPE IN XXXX RELATION

       Explanation: A binary relation had incompatible operands.

SIM528  B LINE nnnn DYNAMIC QUALIFICATIONS XXXX AND XXXX
       IN REFERENCE RELATION DISAGREE

       Explanation: Either the qualifications were not on the
       same prefix chain or at least one of the qualifications had
       become visible by connection.

SIM529  F LINE nnnn INTERNAL ERROR - XXXX IS INVALID
       CONTROL TABLE INDEX

       User response: Follow report procedure.

SIM52A  F LINE nnnn INTERNAL ERROR - XXXX FolLOWS CLASS ID
       IN OBJECT GENERATOR

       User response: Follow report procedure.

SIM52B  B LINE nnnn NUMBER OF ACTUAL PARAMETERS (nn) NOT
       EQUAL TO NUMBER OF FORMAL PARAMETERS (nn) OF XXXX

SIM52C  3 LINE nnnn MATCH TO VIRTUAL REF SPECIFICATION XXXX
       IN CLASS XXXX IS INCORRECTLY QUALIFIED - SPECIFIED
       QUALIFICATION ASSUMED

       Explanation: See section 4.2.
SIM520  B  LINE  nnnn  'THIS XXXX' IS AN INVALID LOCAL OBJECT

Explanation: The local object did not occur inside a class body or connection block qualified by XXXX.

SIM521  7  LINE  nnnn  ILLEGAL USE OF LOCAL OBJECT ('THIS XXXX') IN A BLOCK PREFIXED BY XXXX

Explanation: A reference expression must not evaluate to a reference to a prefixed block.

SIM522  B  LINE  nnnn  INCOMPATIBLE TRUE/FALSE CLAUSES IN A CONDITIONAL EXPRESSION

SIM530  B  LINE  nnnn  XXXX IS NOT A CLASS IDENTIFIER

Explanation: The identifier was used as prefix or after 'ON', 'IS', 'IN' or 'WHEN'.

Compiler action: Prefix or expression ignored.

SIM531  7  LINE  nnnn  ILLEGAL USE OF DOT NOTATION, CLASS XXXX CONTAINS LOCAL CLASSES

SIM532  B  LINE  nnnn  XXXX IS NOT AN ATTRIBUTE OF CLASS XXXX

Explanation: In a <remote identifier> the identifier after the dot was not an attribute of the object reference expression before the dot.

SIM533  B  LINE  nnnn  XXXX IS NOT A TEXT ATTRIBUTE IDENTIFIER

Explanation: A text expression followed by a dot was not followed by a text attribute.

SIM534  E  LINE  nnnn  REDECLARATION STACK OVERFLOW

Explanation: The sum of the block level and the forstatement nesting level is greater than 30. See section 3.3.

SIM535  E  LINE  nnnn  CLASS XXXX HAS MORE THAN 127 PARAMETERS (INCLUDING THOSE IN PREFIXES)

Explanation: See section 3.3.

SIM536  E  LINE  nnnn  CLASS XXXX HAS MORE THAN 255 VIRTUAL SPECIFICATIONS (INCLUDING THOSE IN PREFIXES)

Explanation: See section 3.3.

SIM537  B  LINE  nnnn  BLOCK PREFIX XXXX IS NOT A CLASS

Compiler action: Prefix ignored.
SIM538 W LINE nnnn MATCHING QUANTITY XXXX IN CLASS XXXX HAS INCONSISTENT NUMBER OF PARAMETERS OR SUBSCRIPTS

Explanation: Two matches of the same virtual procedure or array specification had different number of parameters/subscripts.

Guide to user: This message shows that the quantity must be used with care if execution errors are to be avoided.

SIM539 W LINE nnnn INCONSISTENCY BETWEEN ACTUAL PARAMETER COUNT (nn) AND FORMAL PARAMETER COUNT (nn) IN MATCH TO VIRTUAL PROCEDURE XXXX

Guide to user: When this message appears, but not SIM539, then the program certainly contains parts that can never be executed without a run-time error.

SIM53A B LINE nnnn MIXED TYPES IN REFERENCE ASSIGNMENT

Explanation: REF and TEXT types were mixed.

SIM53B W LINE nnnn CALL ON UNMATCHED VIRTUAL PROCEDURE XXXX

Explanation: There was no match at this access level. Warning only.

SIM53C B LINE nnnn ATTEMPT TO ACTIVATE A NON-PROCESS OBJECT OF CLASS XXXX

SIM530 E LINE nnnn DYNAMIC BLOCK LEVEL GREATER THAN 15

Explanation: See section 3.3.

SIM53E 7 LINE nnnn MATCHING QUANTITY XXXX IN BLOCK PREFIXED BY XXXX IS OF IMPROPER KIND

Compiler action: Same as SIM50C.

SIM53F 7 LINE nnnn MATCHING QUANTITY XXXX IN BLOCK PREFIXED BY XXXX IS OF IMPROPER TYPE

Compiler action: Same as SIM50C.

SIM540 7 LINE nnnn MATCHING PROCEDURE XXXX IN BLOCK PREFIXED BY XXXX IS NOT SUBORDINATE

Compiler action: Same as SIM50C.

SIM541 7 LINE nnnn ILLEGAL BLOCK PREFIX - XXXX CONTAINS LOCAL OBJECTS (IN CLASS XXXX AMONGST OTHERS)

SIM542 7 LINE nnnn MATCH XXXX IN CLASS XXXX REJECTED DUE TO REDECLARATION OF SPECIFIED QUALIFYING CLASS

Explanation: The qualifying class of a virtual specification is no longer visible, so no further matches can be requested.
SIM543 7 LINE nnnn INCORRECTLY QUALIFIED MATCH XXXX IN CLASS XXXX (NOTE THAT VIRTUAL SPECIFICATION XXXX IS UNMATCHABLE)

Explanation: The specified qualifying class is invisible and therefore the specification is unmatchable at this point.

SIM544 8 LINE nnnn MISPLACED CLASS IDENTIFIER XXXX

SIM545 8 LINE nnnn ACTUAL PARAMETER TO PROCEDURE/CLASS XXXX HAS TYPE INCOMPATIBLE WITH THAT OF CORRESPONDING FORMAL PARAMETER XXXX

Guide to user: Check that an array, switch or procedure was not passed with associated subscript(s), index or parameter(s) if the formal parameter was specified array, switch or procedure.

SIM546 7 LINE nnnn CLASS SIMSET/SIMULATION USED AS A PREFIX WITHIN BLOCK OR CLASS PREFIXED BY SIMSET/SIMULATION

Explanation: See section 4.1.

SIM547 7 LINE nnnn BLOCK PREFIX XXXX BECAME VISIBLE THROUGH CONNECTION

SIM548 3 LINE nnnn MATCH TO VIRTUAL REF SPECIFICATION XXXX IN BLOCK PREFIXED BY XXXX IS WRONGLY QUALIFIED - SPECIFIED QUALIFICATION IS ASSUMED

Explanation: See section 4.2.

SIM549 7 LINE nnnn MATCH XXXX IN BLOCK PREFIXED BY XXXX IS REJECTED DUE TO REDECLARATION OF SPECIFIED QUALIFYING CLASS

Explanation: See SIM542.

SIM54A 7 LINE nnnn INCORRECTLY QUALIFIED MATCH XXXX IN BLOCK PREFIXED BY XXXX (NOTE THAT VIRTUAL SPECIFICATION XXXX IS UNMATCHABLE)

Explanation: See SIM543.

SIM54B 8 LINE nnnn MATCHING QUANTITY XXXX IN BLOCK PREFIXED BY XXXX HAS INCONSISTENT NUMBER OF PARAMETER OR SUBSCRIPTS

Explanation: See SIM538.

SIM54C 7 LINE nnnn MATCHING PROCEDURE XXXX IN CLASS XXXX IS NOT SUBORDINATE (PROBABLY DUE TO A PREFIX LOOP)

Explanation: Section 4.2.
SIM540  W LINE mnnn COMpatibility of Qualifications XXXX
    AND XXXX MUST BE CHECKED AT RUN-TIME

Explanation: In a reference assignment (A=X) the
qualification of the identifier A is a subclass of the
qualification of the expression X.

Guide to user: The run-time check will degrade program
performance. If appearing in an "inner loop" it could pay
off to alter the qualification of A, but this may imply
other changes in the program.

SIM54E  7 LINE mnnn Matching Procedure XXXX in Class XXXX
    IS NOT SUBORDINATE (PROBABLY DUE TO USE OF
    UNDECLARED PREFIX)

Explanation: Section 4.2.

SIM54F  7 LINE mnnn (In Lower Bound of Array XXXX
    Declaration) - Identifier XXXX IS UNDECLARED

Compiler action: cf. SIM525.

Guide to user: mnnn is the cardinal number of the left bracket
of the array bounds list.

SIM550  7 LINE mnnn Matching Procedure XXXX in Class XXXX
    IS NOT SUBORDINATE (PROBABLY DUE TO USE OF
    Non-Class Prefix)

Compiler action: cf. SIM50C.

SIM551  7 LINE mnnn (In Upper Bound of Array XXXX
    Declaration) - Identifier XXXX IS UNDECLARED

Compiler action: cf. SIM525.

Guide to user: cf. SIM54F.

SIM552  B LINE mnnn Misplaced Object Expression After ':='

SIM553  B LINE mnnn Misplaced Value Expression After ':='

SIM554  E LINE mnnn Capacity Error - Free Storage Area
    Too Small to Contain Dictionary

User response: Try to compile in a larger core area. If
no more core is available, the number of differently spelled
identifiers must be decreased by parallell and nested
redeclarations.

SIM555  B LINE mnnn (In Lower Array Bound) - No. Actual
    Pargs (nn) NOT EQUAL TO NO. Formal Pargs (nn) OF
    XXXX

Guide to user: cf. SIM54F.
 SIM556 B LINE nnnn (IN UPPER ARRAY BOUND) - NO. ACTUAL PARAMS (nn) NOT EQUAL TO NO. FORMAL PARAMS (nn) OF XXXX

Guide to user: cf. SIM54F.

 SIM557 B LINE nnnn (IN LOWER BOUND nn OF ARRAY XXXX DECLN) - MISPLACED TEXT EXPRESSION

Guide to user: cf. SIM54F.

 SIM558 B LINE nnnn (IN UPPER BOUND nn OF ARRAY XXXX DECLN) - MISPLACED TEXT EXPRESSION

Guide to user: cf. SIM54F.

 SIM559 B LINE nnnn (IN LOWER BOUND nn OF ARRAY XXXX DECLN) - MISPLACED OBJECT EXPRESSION

Guide to user: cf. SIM54F.

 SIM55A B LINE nnnn (IN UPPER BOUND nn OF ARRAY XXXX DECLN) - MISPLACED OBJECT EXPRESSION

Guide to user: cf. SIM54F.

 SIM55B W LINE nnnn (IN LOWER ARRAY BOUND) - MATCH TO VIRTUAL PROCEDURE XXXX HAS INCONSISTENT ACTUAL/FORMAL PARAMETER COUNTS (nn/nn)

Guide to user: cf. SIM539, SIM54F

 SIM55C W LINE nnnn (IN UPPER ARRAY BOUND) - MATCH TO VIRTUAL PROCEDURE XXXX HAS INCONSISTENT ACTUAL/FORMAL PARAMETER COUNTS (nn/nn)

Guide to user: cf. SIM539, SIM54F

 SIM55D W LINE nnnn (IN LOWER BOUND OF ARRAY XXXX DECLARATION) - CALL ON UNMATCHED VIRTUAL PROCEDURE XXXX

Explanation: cf. SIM536.

Guide to user: cf. SIM54F.

 SIM55E W LINE nnnn (IN UPPER BOUND OF ARRAY XXXX DECLARATION) - CALL ON UNMATCHED VIRTUAL PROCEDURE XXXX

Explanation: cf. SIM536.

Guide to user: cf. SIM54F.

 SIM55F B LINE nnnn ACTUAL PARAMETER TO STANDARD PROCEDURE/CLASS XXX HAS TYPE INCOMPATIBLE WITH THAT OF CORRESPONDING FORMAL PARAMETER
SIM560  B  (IN ARRAY XXXX BOUNDS) - IDENTIFIER XXXX IS
INVALID: DECLARED AT SAME BLOCK LEVEL AS ARRAY XXXX

SIM561  B  ACTUAL PARM TO PROC/CLASS XXXX, CORRG TO FORMAL
PARM XXXX, SHOULD NOT INCLUDE
PAMRS/SUBSCRIPTS/INDECES

Explanation: The corresponding formal parameter is a
procedure, array or switch. Parameters, subscripts or
indeces should not be supplied with the actual parameters.

SIM562  B  ACTUAL PARM TO STANDARD PROC/CLASS SHOULD NOT
INCLUDE PAMS/SUBSCRIPTS/INDECES

Explanation: cf. SIM561.

SIM563  B  MISPLACED TEXT EXPRESSION AFTER 'GOTO'

SIM564  B  MISPLACED OBJECT EXPRESSION AFTER 'GOTO'

SIM565  E  BLOCK SIZE EXCEEDS 4096 BYTES

Explanation: This implementation restricts the maximum
block size to 4096 bytes (see Section 3.2.)

SIM566  W  FURTHER OCCURRENCE OF IDENTIFIER XXXX (PREVIOUSLY
UNDECLARED AND GIVEN A DUMMY DECLARATION)

Guide to user: On the first occurrence of an undeclared
identifier, message SIM525 is issued. On subsequent
occurrences, this message (SIM566) is issued (up to 10
times). If the identifier occurs more than 10 times, message
SIM567 is issued and further occurrences are not noted.

SIM567  W  FURTHER OCCURRENCE OF IDENTIFIER XXXX (PREVIOUSLY
UNDECLARED) - FURTHER WARNINGS FOR THIS ID ARE
SUPPRESSED

Explanation: see SIM566.

SIM568  F  LINE  nnnn  PAGING ERROR - SYSUT4 I/O ERROR

User response: Check the DD-card for SYSUT4. Note that a
preallocated data set can not be used. If no error is found,
consult a systems programmer.

SIM569  F  LINE  nnnn  PAGING ERROR - SYSUT4 DD CARD MISSING

Explanation: A DD-card for SYSUT4 had not been supplied,
and the compiler tables and stacks were too large to be held
in core.

User response: Supply the DD-card or re-submit the job to
be run in a larger region.

SIM56A  F  LINE  nnnn  PAGING ERROR - WRONG PAGE LOADED FROM
SYSUT4

User response: Follow report procedure.
SIM568 F LINE nnnn PAGING ERROR - INVALID LOAD FROM VIRTUAL MEMORY, VIRTUAL ADDRESS = hhhhhhhh

User response: Follow report procedure.

SIM56C E LINE nnnn PAGING ERROR - CORE STORAGE TOO SMALL; COMPILETION TERMINATED

User response: Run in a larger core area. If error persists, consult a systems programmer.

SIM560 F LINE nnnn PAGING ERROR - VIRTUAL ADDRESS hhhhhhhh OUT OF RANGE

User response: Follow report procedure.

SIM56E F LINE nnnn PAGING ERROR - ATTEMPT TO STORE INTO FIXED PART OF VIRTUAL MEMORY AT ADDRESS hhhhhhhh

User response: Follow report procedure.

SIM56F B LINE nnnn MISPLACED NON-PROCEDURE IDENTIFIER xxxxxxxx

Explanation: Only a procedure identifier can form a statement on its own.

SIM570 W LINE nnnn INCONSISTENCY BETWEEN PARAMETER/SUBSCRIPT COUNTS IN OCCURRENCES OF PROCEDURE/ARRAY xxxxxxxx CALLED BY NAME

SIM571 7 LINE nnnn INCONSISTENCY BETWEEN PARAMETER/SUBSCRIPT COUNTS IN OCCURRENCES OF PROCEDURE/ARRAY xxxxxxxx

SIM572 3 LINE nnnn STANDARD PROCEDURE xxxxxxxx MAY NOT BE PASSED AS A PARAMETER TO PROCEDURE yyyyyyy
Messages from Pass 7:

SIM700  F  LINE  nnnn  INTERNAL ERROR xxxxxxxx

User response: Please report to NCC with the listing demonstration the error.

SIM701  3  LINE  nnnn  NON-BOOLEAN OPERAND XXXX IN BOOLEAN EXPRESSION

Compiler action: Operand is replaced by value 'FALSE'.

SIM702  3  LINE  nnnn  OPERAND XXXX NOT SIMPLE IN EXPRESSION

Explanation: A procedure, array or class identifier was used without parameters or subscripts in an expression.

Compiler action: Operand is replaced by a constant (NONE, NOTEXT, FALSE, CHAR(0) or a zero of appropriate type).

SIM703  3  LINE  nnnn  LEFT (XXXX) AND RIGHT (XXXX) PART OF ASSIGNMENT INCOMPATIBLE

Explanation: Types were incompatible.

Compiler action: The assignment is ignored.

SIM704  7  LINE  nnnn  ASSIGNMENT RIGHT HAND SIDE ILLEGAL

SIM705  3  LINE  nnnn  IMPROPER TYPE OF OPERAND (XXXX) IN ARITHMETIC EXPRESSION

Explanation: An arithmetic operator (+, -, *, /, //, /, or **) had a non-arithmetic operand.

Compiler action: The resulting operand is replaced by zero.

SIM706  3  LINE  nnnn  IMPROPER TYPE OF OPERAND (XXXX) IN VALUE RELATION

Explanation: An operand of a value relation was not of value type (arithmetic, CHARACTER or TEXT).

Compiler action: The relation is replaced by 'FALSE'.

SIM707  3  LINE  nnnn  BOOLEAN OPERAND (XXXX) IN VALUE RELATION

Compiler action: The relation is replaced by 'FALSE'.

SIM708  3  LINE  nnnn  IMPROPER TYPE OF OPERAND (XXXX) IN REFERENCE RELATION

Compiler action: The relation is replaced by 'FALSE'.

SIM709  3 LINE nnnn MIXED TYPES IN REFERENCE RELATION
Explanation: Types TEXT and REF were mixed.
Compiler action: The relation is replaced by 'FALSE'.

SIM70A  B LINE nnnn CONTROLLED VARIABLE (XXXX) WAS NOT VALUE TYPE
Compiler action: A dummy LONG REAL is used which may trigger other messages in the FOR-list.

SIM70B  B LINE nnnn CONTROLLED VARIABLE (XXXX) WAS NOT REF
Compiler action: A dummy REF is used. cf. SIM70A.

SIM70C  E LINE nnnn CONSTANT TABLE OVERFLOW - SIMPLIFY SOURCE CODE
Explanation: More than 16 constants were used in one statement.

SIM70D  F LINE nnnn FEATURE NOT IMPLEMENTED Xxxxxxxxx
User response: Follow report procedure.

SIM70E  3 LINE nnnn A TEXT VALUE IS BEING ASSIGNED TO NON-TEXT VARIABLE XXXX
Compiler action: Assignment by-passed.

SIM70F  3 LINE nnnn GO TO OPERAND (XXXX) IS NOT SIMPLE
Compiler action: GO TO statement is ignored.

SIM710  3 LINE nnnn GO TO OPERAND (XXXX) IS NOT LABEL
Compiler action: GO TO statement is ignored.

SIM711  3 LINE nnnn TYPES IN DENOTES ARE INCOMPATIBLE

SIM712  3 LINE nnnn LEFT SIDE OF DENOTES (XXXX) IS NOT REF OR TEXT

SIM713  3 LINE nnnn SWITCH ELEMENT NOT SIMPLE

SIM714  3 LINE nnnn SWITCH ELEMENT (XXXX) NOT OF TYPE LABEL

SIM715  3 LINE nnnn EXPRESSION SUCCEEDING 'WHILE' (XXXX) WAS NOT BOOLEAN

SIM716  3 LINE nnnn OPERAND SUCCEEDING 'WHILE' (XXXX) WAS NOT SIMPLE

SIM717  3 LINE nnnn IMPROPER USE OF AN ARRAY IDENTIFIER XXXX
Explanation: No subscripts were used.
SIM718 3 LINE nnnn EXPRESSION BETWEEN 'IF' AND 'THEN' WAS NOT BOOLEAN

Compiler action: 'FALSE' is used.

SIM719 3 LINE nnnn EXPRESSION FOLLOWING 'NOT' WAS NOT BOOLEAN

SIM71A 3 LINE nnnn PARAMETER TO 'OUTCHAR' WAS NOT OF CHARACTER TYPE

SIM71B 3 LINE nnnn FIRST PARAMETER TO 'DISCRETE' OR 'HISTO' WAS NOT ARRAY

SIM71C 3 LINE nnnn ARRAY PARAMETER (XXXX) TO 'DISCRETE' OR 'HISTO' WAS NOT OF TYPE REAL

SIM71D 3 LINE nnnn THE LAST PARAMETER TO A RANDOM DRAWING PROEDURE WAS INCORRECT

Explanation: The last parameter to a random drawing procedure was an expression.

SIM71E 3 LINE nnnn THE LAST PARAMETER (XXXX) TO A RANDOM DRAWING PROEDURE WAS NOT SIMPLE

SIM71F 3 LINE nnnn THE LAST PARAMETER (XXXX) TO A RANDOM DRAWING PROEDURE WAS NOT OF TYPE INTEGER

SIM720 3 LINE nnnn IMPROPER PARAMETER (XXXX) TO 'ENTIER'

SIM721 W LINE nnnn PARAMETER XXXX TO ENTIER WAS INTEGER

SIM722 3 PARAMETER TO 'RANK' WAS NOT OF CHARACTER TYPE

SIM723 3 NON-ARITHMETIC PARAMETER (XXXX) TO 'SIGN'

SIM724 3 PARAMETER XXXX TO MATHEMATICAL FUNCTION WAS NOT ARITHMETIC

SIM725 3 LINE nnnn PARAMETER XXXX TO 'OUTCHAR' WAS NOT SIMPLE

SIM726 3 LINE nnnn IMPROPER TEXT REFERENCE

SIM727 3 LINE nnnn A RESULT IS BEING USED AS A TEXT REFERENCE

SIM728 3 LINE nnnn TYPE OF ACTUAL CONSTANT PARAMETER CORRESPONDING TO FORMAL XXXX WAS BOOLEAN OR CHARACTER

SIM729 W LINE nnnn ZERO CONSTANT STEP IN STEP-UNTIL CLAUSE

SIM72A 3 LINE nnnn TEXT CONSTANT ILLEGAL AS NAME PARAMETER
IMPROPER PARAMETER xxxxxxxx TO FORTRAN PROCEDURE

Explanation: Note the following restrictions apply for parameters to FORTRAN procedures:
- Only identifiers or literals can be used as a parameter.
- Parameter type must not be ref, label, or character.

IMPROPER USE OF NTYPE PROCEDURE

REGISTER NOT RELEASED xxxxxxxx - INTERNAL ERROR

Follow report procedure.

SIMPLIFY STATEMENT, TOO MANY FORMAL PARAMETERS

User response: Simplify the expression by reducing the number of left hand side formal parameters or simplify the levels of nesting (parentheses or implied parentheses) on the right hand side.

SIMPLIFY EXPRESSION, TOO MANY REFERENCE QUANTITIES

SIMPLIFY STATEMENT, TOO MANY TEXT QUANTITIES

User response: Simplify by reducing the number of multiple text assignments or reduce complexity of text expression.

SIMPLIFY EXPRESSION, TOO MANY NESTED VALUE QUANTITIES

User response: Simplify the expression by reducing the amount of nesting (or implied nesting) of value quantities. If necessary, make the calculation in two or more steps.

THE RESULT OF A MULTIPLICATION OF TWO INTEGER CONSTANTS WAS TOO LARGE TO BE CONTAINED IN AN INTEGER

User response: One of the constants should be changed to type real.

I GREATER THAN 31 IN CONSTANT EXPRESSION 2**I

X**I IS X

EQUALITY/INEQUALITY RELATION CONTAINING REAL QUANTITIES MAY NOT BE MEANINGFUL

OPERAND STACK UNDERFLOW - INTERNAL ERROR
SIM75C E LINE nnnn EXTERNAL SYMBOL TABLE OVERFLOW - CAPACITY ERROR

Explanation: The present implementation does not allow more external names. This also includes the external names in the run-time system for the modules which have been included by the compiler.

SIM75D 3 LINE nnnn ILLEGAL VALUE ASSIGNMENT OF xxxx TO YYY

SIM75E 3 LINE nnnn ILLEGAL REFERENCE RELATION - xxxx CANNOT BE COMPARED WITH YYY

SIM75F 3 LINE nnnn ATTEMPT TO ASSIGN A VALUE TO PROCEDURE IDENTIFIER xxxx OUTSIDE THE BODY OF xxxx

SIM760 3 LINE nnnn ATTEMPT TO ASSIGN A REFERENCE TO PROCEDURE IDENTIFIER xxxx OUTSIDE THE BODY OF xxxx

SIM761 3 LINE nnnn WRONG NUMBER OF SUBSCRIPTS (kkkk) OF ARRAY aaaa - aaaa WAS DECLARED AS mmmm-DIMENSIONAL ARRAY

SIM762 3 LINE nnnn TOO MANY INDICES (nnnn) FOR SWITCH ssss - A SWITCH MAY ONLY HAVE ONE INDEX

SIM763 3 LINE nnnn EXTERNAL FORTRAN PROCEDURE xxxx CANNOT BE OF TEXT TYPE.

SIM764 3 LINE nnnn ILLEGAL OCCURRENCE OF A LABEL/SWITCH IDENTIFIER xxxx AT THE LEFT HAND SIDE OF AN ASSIGNMENT

SIM765 3 LINE nnnn TYPE OF ACTUAL ARRAY PARAMETER xxxx IS NOT IDENTICAL TO THE TYPE OF THE CORRESPONDING FORMAL ARRAY YYY

Explanation: Types of array parameters must coincide.

SIM766 3 LINE nnnn FORMAL TEXT PARAMETER xxxx OF PROCEDURE/CLASS aaaa MAY NOT HAVE A STRING AS ACTUAL PARAMETER IN DEFAULT MODE

SIM767 3 LINE nnnn ILLEGAL OCCURRENCE OF A NON-ARITHMETIC CONSTANT

SIM768 3 LINE nnnn ACTUAL PARAMETER xxxx IS NOT AN ARRAY, BUT THE CORRESPONDING FORMAL yyy WAS SPECIFIED AS AN ARRAY

SIM769 3 LINE nnnn FORMAL PARAMETER xxxx AND ACTUAL PARAMETER yyy IN VALUE/DEFAULT MODE ARE OF INCOMPATIBLE TYPES

SIM76A E LINE nnnn TOO MANY NESTED PROCEDURE CALLS - CAPACITY ERROR

SIM76B 3 LINE nnnn LABEL/SWITCH xxxx MAY NOT BE USED REMOTELY
SIM76C 3 LINE nnnn FORMAL PARAMETER xxxx AND ACTUAL PARAMETER yyy ARE OF INCOMPATIBLE KINDS

SIM76D 3 LINE nnnn FORMAL PARAMETER xxxx AND ACTUAL PARAMETER yyy ARE OF INCOMPATIBLE TYPES

SIM76E 3 LINE nnnn REMOTE CALL ON EXTERNAL PROCEDURE xxxx

Explanation: It makes little sense to distinguish between external attribute belonging to different objects of some class - they are all identical.

SIM76F 7 LINE nnnn MISPLACED SUBSCRIPT EXPRESSION FOLLOWING SIMPLE OPERAND xxxx

SIM770 F LINE nnnn PROGRAM COMPILATION IMPROPERLY ENDED - INTERNAL ERROR

SIM771 F LINE nnnn EXTERNAL SYMBOL xxxx NOT FOUND IN ESD - INTERNAL ERROR

SIM772 7 LINE nnnn FIRST TWO PARAMETERS TO HISTO MUST BE OF KIND ARRAY

SIM773 7 LINE nnnn LAST TWO PARAMETERS TO HISTO MUST BE SIMPLE OPERANDS

SIM774 7 LINE nnnn FIRST TWO PARAMETERS TO HISTO MAY ONLY BE OF INTEGER, SHORT INTEGER OR REAL TYPE

SIM775 7 LINE nnnn LAST TWO PARAMETERS TO HISTO MUST BE OF ARITHMETIC TYPE

SIM776 7 LINE nnnn THE TYPE OF THE ACTUAL ARRAY xxxx IS NOT IDENTICAL WITH THAT OF THE FORMAL ARRAY

SIM777 7 LINE nnnn xxxx IS ILLEGAL CONTROLLED VARIABLE

Explanation: The controlled variable cannot be a name parameter or procedure identifier.

SIM778 3 LINE nnnn CONSTANT ARITHMETIC ERROR : xxxxxxxx

SIM779 W LINE nnnn xxxxxxxx IS TOO LONG FOR AN EXTERNAL NAME, ONLY SEVEN CHARACTERS WERE ACCEPTED

SIM77A W LINE nnnn ACTUAL PARAMETER NUMBER mnnn OF EXTERNAL ASSEMBLY/FORTRAN PROCEDURE xxxx IS AN EXPRESSION, THIS MAY CAUSE ERROR ZYQ062 UNDER EXECUTION.

SIM77B 3 LINE nnnn jjjj CANNOT BE CONVERTED TO iiii BECAUSE IT IS OUT OF iiii RANGE

Explanation: Compiler attempt to convert a (long) real/integer literal value to integer/short integer type failed because the former has too large a magnitude.

Compiler action: Magnitude i is assumed.
SIM77C  W LINE nnnn WAS USE OF THE CONNECTED LABEL xxxx INTENDED?

Explanation: A label which is visible through inspection occurred in a goto-statement or a switch element list. Unless the inspected object is also operating the use of this label will lead to ZYGO97 error in RT.

SIM77D  W LINE nnnn SYMBDUMP VALUE TOO HIGH WITH RESPECT TO CORE AVAILABLE; INCREASE SYSFREE SUBPARAMETER OF SIZE (AND REGION?) BY nX.

Explanation: Either follow this instruction (note that SYSFREE is the third subparameter to SIZE option - usually 4K in default) or eventually recompile with SYMBDUMP<3.

SIM77E  3 LINE nnnn DUE TO A STRING IN ONE OF BRANCHES, THE CONDITIONAL TEXT VALUE CANNOT BE USED IN A REFERENCE CONTEXT

Explanation: An IF-THEN-ELSE construction with at least one of the branches being a string is taken as a conditional text value (i.e. "conditional string") and as such cannot be used where string could be illegal.

SIM77F  B LINE nnnn REG AND REGFLAG INCOMPATIBLE Xxxxxxxxx - INTERNAL ERROR

Follow report procedure.
Messages from Pass B:

SIM800  F  LINE  nnnn  NON-EXISTENT FIXUP - INTERNAL ERROR

SIM801  F  LINE  nnnn  COMPILER CAPACITY EXCEEDED XXXX
  Rerun with partition size increased by at least XXXX (hexadecimal) bytes.

SIM802  F  LINE  nnnn  COMPILER CAPACITY EXCEEDED XXXX
  Rerun with partition size increased by at least XXXX (hexadecimal) bytes.