


```

FFFFFFFFF  000000  RRRRRRRR  MM      MM  SSSSSSSS  GGGGGGGG
FFFFFFFFF  000000  RRRRRRRR  MM      MM  SSSSSSSS  GGGGGGGG
FF          00      00  RR      RR  MMMM  MMMM  SS          GG
FF          00      00  RR      RR  MMMM  MMMM  SS          GG
FF          00      00  RR      RR  MM  MM  MM  SS          GG
FF          00      00  RR      RR  MM  MM  MM  SS          GG
FFFFFFFFF  00      00  RRRRRRRR  MM      MM  SSSSSS   GG
FFFFFFFFF  00      00  RRRRRRRR  MM      MM  SSSSSS   GG
FF          00      00  RR  RR    MM      MM          SS  GG  GGGGGG
FF          00      00  RR  RR    MM      MM          SS  GG  GGGGGG
FF          00      00  RR  RR    MM      MM          SS  GG  GG
FF          00      00  RR  RR    MM      MM          SS  GG  GG
FF          000000  RR      RR  MM      MM  SSSSSSSS  GGGGGG
FF          000000  RR      RR  MM      MM  SSSSSSSS  GGGGGG

```

```

LL          IIIIII  SSSSSSSS
LL          IIIIII  SSSSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SSSSSS
LL          II      SSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

```

....
....
....
....

```



1 .TITLE FOR\$MSGDEF FOR\$ facility messages
2 .IDENT '2-006' ! File: FORMSG.MSG Edit: SBL2006
3

4 *****
5 *
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- 26
- 27
- 28 1-014 - Add errors 17-19 for NAMELIST. SBL 10-Nov-1980
- 29 1-015 - Correct typo in TOOMANVAL. SBL 15-Dec-1980
- 30 1-016 - Restore closing bracket on OPEDEFREQ, mysteriously dropped in 1-015.
31 SBL 6-Jan-1981
- 32 2-001 - Convert to MESSAGE utility source format. Adapted from FORMSG.MDL
33 version 1-016. SBL 22-Apr-1981
- 34 2-002 - Add UNFIO_FMT, FMTIO_UNF, DIRIO_KEY, SEQIO_DIR, KEYIO_DIR,
35 IO_NONFOR, INVXTREC, FLOUNDEXC. JAW 23-Aug-1981
- 36 2-003 - Change INVXTREC to INVTEXREC. JAW 24-Aug-1981
- 37 2-004 - Add INVTEX which does not require a record number. This is for indexed
38 and internal files that do not have a valid record number. DGP 21-Dec-9181
- 39 2-005 - Add .TITLE. SBL 28-Aug-1982
- 40 2-006 - Add OPEREQDIS and OPEREQSEQ. SBL 2-Jun-1983
- 41 --

42
43 +
44 Symbols are defined following the standard for global names:

45 FOR\$_abcmnoxyz

46
47
48 In addition, the library standards specify that the letters "abc", "mno",
49 and "xyz" are the first three letters of the first three words of the error
50 message, not counting articles and prepositions.

51
52 The names of all procedures using each error condition value should appear
53 in the comments included with each error definition.

54
55
56 ! MACRO-32 Programming:

```

57 :
58 : The macros call:
59 :
60 :   $FORDEF
61 :
62 : will cause all symbols to be made available to the module.
63 : The STSSV MSG_ID is the FORTRAN error number (1:94).
64 : These symbols are declared EXTERNAL by the Run-time Library,
65 : the macros are provided only for the convenience of the user.
66 :
67 :-
68 :
69 :
70 :
71 :
72 :           ; Make all errors be severe (except as noted)
73 :
74 :           ; Set sub-system specific bit and make SEVERE
75 :           ; Set LH to 24 (decimal).
76 :
0000018 77 :           .FACILITY      FOR,24 /SYSTEM
78 :           .SEVERITY      FATAL
79 :
0018800C 80 :           NOTFORSPE      <not a FORTRAN-specific error!/+!+ user PC !XL> /FAO=3
81 :           ; never signaled. Used only as a FORTRAN error
82 :           ; number for ERRSNS to mean some other facility
83 :           ; than FOR$ or MTH$ detected the error.
84 :
85 :
86 :           ; Set sub-system specific bit and make SEVERE
87 :           ; Set LH to 24 (decimal).
88 :
89 :
90 :           .BASE          17
91 :
0018808C 92 :           SYNERRNAM      <syntax error in NAMELIST input at or before '!AS'!/ unit !SL file
00188094 93 :           TOOMANVAL      <too many values for NAMELIST variable '!AC'!/ unit !SL file !AS!/
0018809C 94 :           INVREFVAR      <invalid reference to variable '!AS' in NAMELIST input!/ unit !SL
001880A4 95 :           REWERR         <REWIND error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880AC 96 :           DUPFILSPE      <duplicate file specifications!/ unit !SL file !AS!/ user PC !XL>
001880B4 97 :           INPRECTOO      <input record too long!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880BC 98 :           BACERR         <BACKSPACE error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880C4 99 :           ENDDURREA      <end-of-file during read!/ unit !SL file !AS!/ user PC !XL> /FAO=
001880CC 100 :           RECNUMOUT      <record number outside range!/ unit !SL file !AS!/ user PC !XL> /
001880D4 101 :           OPEDEFREQ      <OPEN or DEFINE FILE required for keyed or direct access!/ unit !SL
001880DC 102 :           TOOMANREC      <too many records in I/O statement!/ unit !SL file !AS!/ user PC
001880E4 103 :           CLOERR         <CLOSE error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880EC 104 :           FILNOTFOU      <file not found!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880F4 105 :           OPEFAI         <open failure!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001880FC 106 :           MIXFILACC      <mixed file access modes!/ unit !SL file !AS!/ user PC !XL> /FAO=
00188104 107 :           INVLOGUNI      <invalid logical unit number!/ unit !SL file !AS!/ user PC !XL> /
0018810C 108 :           ENDFILERR      <ENDFILE error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
00188114 109 :           UNIALROPE      <unit already open!/ unit !SL file !AS!/ user PC !XL> /FAO=3
0018811C 110 :           SEGRCFOR       <segmented record format error!/ unit !SL file !AS!/ user PC !XL>
00188124 111 :           ATTACNON       <attempt to access non-existent record!/ unit !SL file !AS!/ user
0018812C 112 :           INCRECLEN      <inconsistent record length!/ unit !SL file !AS!/ user PC !XL> /F
00188134 113 :           ERRDURWRI      <error during write!/ unit !SL file !AS!/ user PC !XL> /FAO=3

```

0018813C	114	ERRDURREA	<error during read!/ unit !SL file !AS!/ user PC !XL> /FAO=3
00188144	115	RECIO OPE	<recursive I/O operation!/ unit !SL file !AS!/ user PC !XL> /FAO=
0018814C	116	INSVIRMEM	<insufficient virtual memory!/ unit !SL file !AS!/ user PC !XL> /
00188154	117	NO SUCDEV	<no such device!/ unit !SL file !AS!/ user PC !XL> /FAO=3
0018815C	118	FICNAMSPE	<file name specification error!/ unit !SL file !AS!/ user PC !XL>
00188164	119	INCRECTYP	<inconsistent record type!/ unit !SL file !AS!/ user PC !XL> /FAO=
0018816C	120	KEYVALERR	<keyword value error in OPEN statement!/ unit !SL file !AS!/ user
00188174	121	INCOPECLO	<inconsistent OPEN/CLOSE parameters!/ unit !SL file !AS!/ user PC
0018817C	122	WRIREAFIL	<write to READONLY file!/ unit !SL file !AS!/ user PC !XL> /FAO=3
00188184	123	INVARGFOR	<invalid argument to FORTRAN Run-Time Library!/ !+!+ user PC !XL> /F
0018818C	124	INVKEYSPE	<invalid key specification!/ unit !SL file !AS!/ user PC !XL> /FA
00188194	125	INCKEYCHG	<inconsistent key change or duplicate key!/ unit !SL file !AS!/ u
0018819C	126	INCFILORG	<inconsistent file organization!/ unit !SL file !AS!/ user PC !XL
001881A4	127	SPERECLOC	<specified record locked!/ unit !SL file !AS!/ user PC !XL> /FAO=
001881AC	128	NO CURREC	<no current record!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001881B4	129	REWRITERR	<REWRITE error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001881BC	130	DELERR	<DELETE error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001881C4	131	UNLERR	<UNLOCK error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001881CC	132	FINERR	<FIND error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
	133		
	134	.LITERAL	FOR\$_MORONEREC=1605852
	135		
	136	.LITERAL	FOR\$_ATTREANON=1605924
	137		
	138	!	; Set sub-system specific bit and make SEVERE
	139		
	140		
	141	.BASE	59
	142		
001881DC	143	LISIO SYN	<list-directed I/O syntax error!/ unit !SL file !AS!/ user PC !XL
001881E4	144	INFFORLOO	<infinite format loop!/ unit !SL file !AS!/ user PC !XL> /FAO=3
001881EC	145	FORVARMIS	<format/variable-type mismatch!/ unit !SL file !AS!/ user PC !XL>
001881F4	146	SYNERFOR	<syntax error in format!/ unit !SL file !AS!/ user PC !XL> /FAO=3
	147		
	148	!	; Set sub-system specific bit and make ERROR (not SEVERE)
	149		
	150	.SEVERITY	ERROR
	151		
001881FA	152	OUTCONERR	<output conversion error!/ unit !SL file !AS!/ user PC !XL> /FAO=
	153		
	154	!	; Set sub-system specific bit and make SEVERE
	155		
	156		
	157	.SEVERITY	FATAL
	158		
00188204	159	INPCONERR	<input conversion error!/ unit !SL file !AS!/ user PC !XL> /FAO=3
	160		
	161	!	; Set sub-system specific bit and make SEVERE
	162		
	163		
	164	.BASE	66
	165		
00188214	166	OUTSTAOVE	<output statement overflows record!/ unit !SL file !AS!/ user PC
0018821C	167	INPSTAREQ	<input statement requires too much data!/ unit !SL file !AS!/ use
00188224	168	VFEVALERR	<variable format expression value error!/ unit !SL file !AS!/ use
	169		
	170		

```

171
172 !           ; Set sub-system specific bit and make SEVERE
173
174         .BASE           93
175
001882EC 176         ADJARRDIM   <adjustable array dimension error>
177
178 ! *****
179 ! The following messages are secondary messages, or are used only in
180 ! exit handlers, and therefore do not need to be (and should not be)
181 ! contiguous with the messages above.
182
183         .BASE           256
184
185 ! The next six messages are secondary messages for use with MIXFILACC in
186 ! FOR$$IO_BEG and FOR$$CB.
187
00188804 188         UNFIO_FMT       <unformatted I/O to unit open for formatted transfers> /FAO=0
0018880C 189         FMTIO_UNF       <formatted I/O to unit open for unformatted transfers> /FAO=0
00188814 190         DIRIO_KEY       <direct-access I/O to unit open for keyed access> /FAO=0
0018881C 191         SEQIO_DIR       <sequential-access I/O to unit open for direct access> /FAO=0
00188824 192         KEYIO_DIR       <keyed-access I/O to unit open for direct access> /FAO=0
0018882C 193         IO_NONFOR      <I/O to non-FORTRAN unit> /FAO=0
194
195 ! The next two messages are secondary messages for use with INPCONERR in
196 ! FOR$$UDF_WF and FOR$$UDF_WL.
197
00188834 198         INVTEXREC       <invalid text is '!AS' in record number !UL> /FAO=2
0018883C 199         INVTEX         <invalid text is '!AS'> /FAO=1
200
201 ! Additional secondary messages
202
00188844 203         OPEREQDIS       <operation requires file to be on disk or tape>/FAO=0
0018884C 204         OPEREQSEQ       <operation requires sequential file organization and access>/FAO=0
205
206 ! The next message is a primary message used in the exit handler which
207 ! is declared by FOR$HANDLER.
208
209         .BASE           300
210         .SEVERITY       INFORMATION
211
00188963 212         FLOUNDEXC       <!SL floating underflow exception!%S> /FAO=1
213
214 ! End of special messages
215 ! *****
216
217         .END
218
219 ! End of file FORMSG.MSG

```

There were 0 errors, 0 warnings, and 0 informational messages issued.
 MESSAGE/NOTEXT/LIS=LIS\$:FORMSG/OBJ=OBJ\$:FORMSG MSRC\$:FORMSG

FORINTLND LIS

FORMSG LIS

FORIOBEG LIS

FORTOEND LIS

FORLEX LIS

FORMLTAB LIS

FORINQUIR LIS

FORIOELEM LIS

FORDATE LIS

FORLIB LIS