FORRTL

```
CCCCCCCC    000000   MM      MM  EEEEEEEEEE  RRRRRRRR    RRRRRRRR    SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT
CCCCCCCC    000000   MM      MM  EEEEEEEEEE  RRRRRRRR    RRRRRRRR    SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT
CC          00    00  MMMM  MMMM  EE          RR    RR   RR    RR   SS        EE              TT
CC          00    00  MMMM  MMMM  EE          RR    RR   RR    RR   SS        EE              TT
CC          00    00  MM  MM  MM  EE          RR    RR   RR    RR   SS        EE              TT
CC          00    00  MM  MM  MM  EE          RR    RR   RR    RR   SS        EE              TT
CC          00    00  MM      MM  EEEEEEE     RRRRRRRR    RRRRRRRR    SSSSSS  EEEEEEE         TT
CC          00    00  MM      MM  EEEEEEE     RRRRRRRR    RRRRRRRR    SSSSSS  EEEEEEE         TT
CC          00    00  MM      MM  EE          RR  RR      RR  RR           SS  EE             TT
CC          00    00  MM      MM  EE          RR    RR    RR    RR         SS  EE             TT
CC          00    00  MM      MM  EE          RR    RR    RR    RR         SS  EE             TT
CC          00    00  MM      MM  EE          RR    RR    RR    RR         SS  EE             TT
CCCCCCCC    000000   MM      MM  EEEEEEEEEE  RR      RR  RR      RR  SSSSSSSS  EEEEEEEEEE      TT
CCCCCCCC    000000   MM      MM  EEEEEEEEEE  RR      RR  RR      RR  SSSSSSSS  EEEEEEEEEE      TT
```

```
LL          IIIIII      SSSSSSSS
LL          IIIIII      SSSSSSSS
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    0001   0  MODULE COMSERRSET (%TITLE'FORTRAN compatibility error set (ERRSET)'
    2    0002   0          IDENT = '1-012',        ! File: COMERRSET.B32  Edit: SBL1012
    3    0003   0          LINKAGE (FORTRAN)       ! Call-by-reference
    4    0004   0          ) =
    5    0005   1  BEGIN
    6    0006   1
    7    0007   1  !
    8    0008   1  !*****************************************************************
    9    0009   1  !*                                                               *
   10    0010   1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                     *
   11    0011   1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.      *
   12    0012   1  !*   ALL RIGHTS RESERVED.                                        *
   13    0013   1  !*                                                               *
   14    0014   1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
   15    0015   1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
   16    0016   1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
   17    0017   1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
   18    0018   1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
   19    0019   1  !*   TRANSFERRED.                                                *
   20    0020   1  !*                                                               *
   21    0021   1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   22    0022   1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   23    0023   1  !*   CORPORATION.                                                *
   24    0024   1  !*                                                               *
   25    0025   1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
   26    0026   1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.     *
   27    0027   1  !*                                                               *
   28    0028   1  !*                                                               *
   29    0029   1  !*****************************************************************
   30    0030   1  !
   31    0031   1
   32    0032   1  !++
   33    0033   1  ! FACILITY:   FORTRAN compatibility Library
   34    0034   1  !
   35    0035   1  ! ABSTRACT:
   36    0036   1  !
   37    0037   1  !       This module contains routine ERRSET to perform F4P-11 type
   38    0038   1  !       compatable error checking.
   39    0039   1  !
   40    0040   1  ! ENVIRONMENT:  User Mode - AST re-entrant
   41    0041   1  !
   42    0042   1  ! AUTHOR:  Thomas N. Hastings, CREATION DATE:  14-Dec-1977
   43    0043   1  !
   44    0044   1  ! MODIFIED BY:
   45    0045   1  !
   46    0046   1  !       Thomas N. Hastings, 14-Dec-1977: VERSION 0
   47    0047   1  ! 00-01 - original
   48    0048   1  ! 00-10 - Call back with indirect.  TNH 3-Jan-78.
   49    0049   1  ! 00-14 - PSECT F4PCOMPAT$CODE.  TNH 5-Jan-78.
   50    0050   1  ! 00-15 - Fix MAXLIM.  TNH 5-Jan-78.
   51    0051   1  ! 00-16 - Down count ERROR_COUNT.  TNH 6-Jan-78
   52    0052   1  ! 00-17 - Math errors are continue type.  TNH 6-Jan-78
   53    0053   1  ! 00-21 - remove debugging printing.  TNH 9-Jan-78
   54    0054   1  !
   55    0055   1  !       Jonathan M. Taylor, 12-Jan-78: VERSION 1
   56    0056   1  ! 1-1   - original: break module COMSERRSET_TST into COMSERRTST, COMSERRSET,
   57    0057   1  !         and COMS$ERRSET_TST.  JMT 12-Jan-78
```

```
:   58        0058  1 ! 1-3   - Bug fix.  Call SIG_NO_LUB, not SIGNAL_STOP.  JMT 8-Apr-78
:   59        0059  1 ! 1-04  - Change to STARLET library. DGP 20-Apr-78
:   60        0060  1 ! 0-05  - Change REQUIRE files for VAX system build.  DGP 28-Apr-78
:   61        0061  1 ! 1-06  - Change STARLET to RTLSTARLE to avoid conflicts.  DGP 1-May-78
:   62        0062  1 ! 1-07  - Change file name to COMERRSET.B32, and change REQUIRE
:   63        0063  1 !         file names similarly.  JBS 14-NOV-78
:   64        0064  1 ! 1-008 - Update copyright notice.  JBS 16-NOV-78
:   65        0065  1 ! 1-009 - Declare NULLPARAMETER for new BLISS compiler.  JBS 22-NOV-78
:   66        0066  1 ! 1-010 - REQUIRE RTLPSECT directly instead of through OTSMAC.  JBS 06-dec-78
:   67        0067  1 ! 1-011 - Fix bug where alteration of FU actually causes caller's
:   68        0068  1 !         saved PC to be munged!  SPR 11-26419 SBL 2-Oct-1979
:   69        0069  1 ! 1-012 - Use prologue file.  SBL 28-Jul-1983
:   70        0070  1 !--
```

```
 72     0071  1 !
 73     0072  1 ! PROLOGUE FILE:
 74     0073  1 !
 75     0074  1
 76     0075  1 REQUIRE 'RTLIN:FORPROLOG';                ! FOR$ definitions
 77     0141  1
 78     0142  1 !
 79     0143  1 ! TABLE OF CONTENTS:
 80     0144  1 !
 81     0145  1 FORWARD ROUTINE
 82     0146  1     ERRSET: NOVALUE;                       ! FORTRAN compatibility CALL ERRSET
 83     0147  1
 84     0148  1 !
 85     0149  1 ! INCLUDE FILES:
 86     0150  1 !
 87     0151  1
 88     0152  1 REQUIRE 'RTLIN:COMEST';                    ! COM$$ERR_TAB fields
 89     0221  1
 90     0222  1 !
 91     0223  1 ! MACROS:
 92     0224  1 !
 93     0225  1 !        None
 94     0226  1
 95     0227  1 !
 96     0228  1 ! EQUATED SYMBOLS:
 97     0229  1 !
 98     0230  1 !        None
 99     0231  1
100     0232  1 !
101     0233  1 ! OWN STORAGE:
102     0234  1 !
103     0235  1 !        None
104     0236  1
105     0237  1 !
106     0238  1 ! EXTERNAL REFERENCES:
107     0239  1 !
108     0240  1 EXTERNAL
109     0241  1     COM$$ERR_TAB: BLOCKVECTOR [FOR$K_MAX_ERR + 1, 1, BYTE] ADDRESSING_MODE (GENERAL),
110     0242  1     COM$$ERRORCOUNT: ADDRESSING_MODE (GENERAL);      ! Image error count limit.
111     0243  1                                           ! Decremented by COM_HANDLER.
112     0244  1                                           ! EXIT on continuable error if 0.
113     0245  1
114     0246  1 EXTERNAL ROUTINE
115     0247  1     FOR$$SIG_NO_LUB: NOVALUE ADDRESSING_MODE (GENERAL);
116     0248  1                                           ! SIGNAL_STOP FORTRAN error with no
117     0249  1                                           ! LUB associated.
```

```
119  0250  1  %SBTTL'ERRSET'
120  0251  1  GLOBAL ROUTINE ERRSET (
121  0252  1          FORT_ERR_NO,      ! Adr. of word containing FORTRAN error number
122  0253  1          CONTIN,           ! Adr. of word containing continue flag
123  0254  1          COUNT,            ! Adr. of word containing count flag
124  0255  1          CONT_TYPE,        ! Adr. of word containing continue type
125  0256  1          LOG,              ! Adr. of word containing log flag
126  0257  1          MAXLIM)           ! Adr. of word containing image max error limit
127  0258  1          :NOVALUE =                      ! No value is returned
128  0259  1
129  0260  1  !++
130  0261  1  ! FUNCTIONAL DESCRIPTION:
131  0262  1  !
132  0263  1  !
133  0264  1  ! FORMAL PARAMETERS:
134  0265  1  !
135  0266  1  !     FORT_ERR_NO.rw.r          Adr. of word containing FORTRAN error number
136  0267  1  !                               to which the following parameters apply.
137  0268  1  !     [CONTIN.rw.r              Optional adr. of word specifying whether or not to
138  0269  1  !                               continue after an error.   .TRUE. means continue
139  0270  1  !                               after the error is detected.  .FALSE. causes
140  0271  1  !                               an EXIT after the error.
141  0272  1  !     [COUNT.rw.r               Optional adr. of word specifying whether to count
142  0273  1  !                               this error against the image's maximum
143  0274  1  !                                error limit.  .TRUE. means count the error;
144  0275  1  !                               .FALSE. means do not count.
145  0276  1  !     [CONT_TYPE.rw.r           Optional adr. of word specifying the type of continuation
146  0277  1  !                               to be performed after error detection.
147  0278  1  !                               .TRUE. passes control to an ERR= transfer label
148  0279  1  !                               if supplied by the user;  .FALSE. causes
149  0280  1  !                               a return to the routine that detected the
150  0281  1  !                               error for default error recovery.
151  0282  1  !     [LOG.rw.r                 Optional adr. of word specifying whether to produce
152  0283  1  !                               an error message for this error.   .TRUE. produces
153  0284  1  !                               a message (using signal mechanism);
154  0285  1  !                               .FALSE. suppresses the message.
155  0286  1  !     [MAXLIM.rw.r]]]]]         Optional adr. of word containing positive
156  0287  1  !                               integer used to set the image's maximum error limit.
157  0288  1  !                               The default value is set to 15 at image initialization.
158  0289  1
159  0290  1  ! IMPLICIT INPUTS:
160  0291  1  !
161  0292  1  !     COM$$ERR_TAB byte table indexed by error number
162  0293  1  !
163  0294  1  ! IMPLICIT OUTPUTS:
164  0295  1  !
165  0296  1  !     COM$$ERR_TAB byte table indexed by error number.
166  0297  1  !
167  0298  1  ! ROUTINE VALUE.
168  0299  1  ! COMPLETION CODES:
169  0300  1  !
170  0301  1  !     NONE
171  0302  1  !
172  0303  1  ! SIDE EFFECTS:
173  0304  1  !
174  0305  1  !     OWN storage COM$$ERR_TAB is changed as specified.
175  0306  1  !     SIGNAL_STOPs FORS_INVARGFOR (48='INVALID ARGUMENT TO FORTRAN I/O LIBRARY')
```

```
176   0307  1 !       If error number is floating underflow (74),
177   0308  1 !       either enable or diable floating underflow for calling procedure
178   0309  1 !       activation depending on final setting of LOG status bit for
179   0310  1 !       error 74.  This is not quite the same as the PDP-11 where
180   0311  1 !       the enable or disable affects all procedure activations not just caller.
181   0312  1 !--
182   0313  1
183   0314  2     BEGIN
184   0315  2
185   0316  2     BUILTIN NULLPARAMETER;
186   0317  2
187   0318  2     MAP
188   0319  2         FORT_ERR_NO:     REF VECTOR[1,WORD],
189   0320  2         CONTIN:          REF VECTOR[1,WORD],
190   0321  2         COUNT:           REF VECTOR[1,WORD],
191   0322  2         CONT_TYPE:            REF VECTOR[1,WORD],
192   0323  2         LOG:             REF VECTOR[1,WORD],
193   0324  2         MAXLIM:          REF VECTOR[1,WORD];
194   0325  2     LOCAL
195   0326  2         N;                      ! Temporary FORTRAN error number for this error
196   0327  2
197   0328  2     !+
198   0329  2     ! If no FORT_ERR_NO, SIGNAL_STOP FOR$_INVARGFOR (48='INVALID ARGUMENT TO FORTRAN I/O LIBRARY')
199   0330  2     !-
200   0331  2
201   0332  2     IF NULLPARAMETER (1) THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
202   0333  2     N = .FORT_ERR_NO[0];
203   0334  2
204   0335  2     !+
205   0336  2     ! Check range of FORTRAN error number and whether a defined error number
206   0337  2     !-
207   0338  2
208   0339  2     IF .N GTRU FOR$K_MAX_ERR THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
209   0340  2     IF .COM$ERR_TAB[.N, B_EC_ANY] EQL 0 THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
210   0341  2
211   0342  2     !+
212   0343  2     ! Continuation arg - If TRUE, check if allowed to continue
213   0344  2     ! by making sure either continue or ERR= is allowed.
214   0345  2     !-
215   0346  2
216   0347  2     IF NOT NULLPARAMETER (2)
217   0348  2     THEN
218   0349  3         BEGIN
219   0350  3         COM$$ERR_TAB[.N, V_EC_CONTINUE] = 0;
220   0351  3         IF .CONTIN[0]
221   0352  3         THEN
222   0353  4             BEGIN
223   0354  4             IF NOT .COM$$ERR_TAB[.N, V_EC_CONT_ALLOW] AND NOT .COM$$ERR_TAB[.N, V_EC_EREQ_ALLOW]
224   0355  4             THEN
225   0356  4                 FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
226   0357  4             COM$$ERR_TAB[.N, V_EC_CONTINUE] = 1;
227   0358  4             END
228   0359  2         END;
229   0360  2
230   0361  2     !+
231   0362  2     ! Count control - if present, copy user arg
232   0363  2     !-
```

```
  233     0364   2          IF NOT NULLPARAMETER (3) THEN COM$$ERR_TAB[.N, V_EC_COUNT] = .COUNT[0];
  234     0365   2
  235     0366   2
  236     0367   2          !+
  237     0368   2          ! Continuation type - If 1 (ERR=), check if allowed.
  238     0369   2          ! If 0 (continue), check if allowed.
  239     0370   2          !-
  240     0371   2
  241     0372   2          IF NOT NULLPARAMETER (4)
  242     0373   2          THEN
  243     0374   3              BEGIN
  244     0375   3              IF .CONT_TYPE[0]
  245     0376   3              THEN                    ! User wants ERR=
  246     0377   4                  BEGIN
  247     0378   4                  IF NOT .COM$$ERR_TAB[.N, V_EC_EREQ_ALLOW] THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
  248     0379   4                  COM$$ERR_TAB[.N, V_EC_CONT_TYPE] = 1;
  249     0380   4                  END
  250     0381   3              ELSE                    ! User wants to continue in run-time library
  251     0382   4                  BEGIN
  252     0383   4                  IF NOT .COM$$ERR_TAB[.N, V_EC_CONT_ALLOW] THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR);
  253     0384   4                  COM$$ERR_TAB[.N, V_EC_CONT_TYPE] = 0;
  254     0385   4                  END
  255     0386   2              END;
  256     0387   2
  257     0388   2          !+
  258     0389   2          ! Log control - copy user arg
  259     0390   2          !-
  260     0391   2
  261     0392   2          IF NOT NULLPARAMETER (5) THEN COM$$ERR_TAB[.N, V_EC_LOG] = .LOG[0];
  262     0393   2
  263     0394   2          !+
  264     0395   2          ! Maximum error limit - copy user arg if present
  265     0396   2          !-
  266     0397   2
  267     0398   2          IF NOT NULLPARAMETER (6) THEN COM$$ERRORCOUNT = .MAXLIM[0];
  268     0399   2
  269     0400   2          !+
  270     0401   2          ! If this error is floating underflow (74)
  271     0402   2          ! Set or clear floating underflow for calling procedure activation,
  272     0403   2          ! depending on whether floating underflow is to be logged or not.
  273     0404   2          ! Note: this is not quite the same as the PDP-11 where the enable
  274     0405   2          ! takes effect for all procedure activations.
  275     0406   2          !-
  276     0407   2
  277     0408   2          IF .N EQL FOR$K_FLOUND
  278     0409   2          THEN
  279     0410   3              BEGIN
  280     0411   3              BUILTIN FP;                 ! Stack frame pointer
  281     0412   3              MAP FP: REF BLOCK[, BYTE];       ! Use MDL definitions
  282     0413   3              FP [SF$V_FU] = .COM$$ERR_TAB [FOR$K_FLOUND, V_EC_LOG];
  283     0414   3              END;
  284     0415   2
  285     0416   2          !+
  286     0417   2          ! Return
  287     0418   2          !-
  288     0419   2
  289     0420   2          RETURN
```

```
; 290          0421  1    END;                           ! End of ERRSET

;

;                                                              .TITLE   CC^SERRSET FORTRAN compatibility error set (ERR
                                                                        SET)
                                                              .IDENT   \1-012\

                                                              .EXTRN   COM$$ERR_TAB, COM$$ERRORCOUNT
                                                              .EXTRN   FOR$$SIG_NO_LUB

                                                              .PSECT   _FOR$CODE,NOWRT,  SHR,  PIC,2

                                    001C 00000               .ENTRY   ERRSET, Save R2,R3,R4                      ; 0251
                 54 00000000G 00 9E 00002               MOVAB    FOR$$SIG_NO_LUB, R4
                             6C 95 00009               TSTB     (AP)                                           ; 0332
                             05 13 0000B               BEQL     1$
                          04 AC D5 0000D               TSTL     4(AP)
                             05 12 00010               BNEQ     2$
                             30 DD 00012 1$:           PUSHL    #48
                    64       01 FB 00014               CALLS    #1, FOR$$SIG_NO_LUB
                    53    04 BC 3C 00017 2$:           MOVZWL   @FORT_ERR_NO, N                                 ; 0333
           0000005D 8F       53 D1 0001B               CMPL     N, #93                                         ; 0339
                             05 1B 00022               BLEQU    3$
                             30 DD 00024               PUSHL    #48
                    64       01 FB 00026               CALLS    #1, FOR$$SIG_NO_LUB
                 52 00000000G0043 9E 00029 3$:         MOVAB    COM$$ERR_TAB[N], R2                             ; 0340
                             62 95 00031               TSTB     (R2)
                             05 12 00033               BNEQ     4$
                             30 DD 00035               PUSHL    #48
                    64       01 FB 00037               CALLS    #1, FOR$$SIG_NO_LUB
                    02       6C 91 0003A 4$:           CMPB     (AP), #2                                       ; 0347
                             1C 1F 0003D               BLSSU    6$
                          08 AC D5 0003F               TSTL     8(AP)
                             17 13 00042               BEQL     6$
                    62       01 8A 00044               BICB2    #1, (R2)                                       ; 0350
                    10    08 BC E9 00047               BLBC     @CONTIN, 6$                                    ; 0351
              09      62 05 E0 0004B               BBS      #5, (R2), 5$                                        ; 0354
              05      62 06 E0 0004F               BBS      #6, (R2), 5$                                        ; 0356
                             30 DD 00053               PUSHL    #48
                    64       01 FB 00055               CALLS    #1, FOR$$SIG_NO_LUB
                    62       01 88 00058 5$:           BISB2    #1, (R2)                                       ; 0357
                    03       6C 91 0005B 6$:           CMPB     (AP), #3                                       ; 0365
                             0B 1F 0005E               BLSSU    7$
                          0C AC D5 00060               TSTL     12(AP)
                             06 13 00063               BEQL     7$
           62         01 0C BC F0 00065               INSV     @COUNT, #1, #1, (R2)
                    04       6C 91 0006B 7$:           CMPB     (AP), #4                                       ; 0372
                             23 1F 0006E               BLSSU    11$
                          10 AC D5 00070               TSTL     16(AP)
                             1E 13 00073               BEQL     11$
                    0E    10 BC E9 00075               BLBC     @CONT_TYPE, 9$                                 ; 0375
              05      62 06 E0 00079               BBS      #6, (R2), 8$                                        ; 0378
                             30 DD 0007D               PUSHL    #48
                    64       01 FB 0007F               CALLS    #1, FOR$$SIG_NO_LUB
                    62       04 88 00082 8$:           BISB2    #4, (R2)                                       ; 0379
                             0C 11 00085               BRB      11$                                            ; 0374
              05      62 05 E0 00087 9$:               BBS      #5, (R2), 10$                                  ; 0383
```

COM$ERRSET   FORTRAN compatibility error set (ERRSET)   16-Sep-1984 00:09:27   VAX-11 Bliss-32 V4.0-742   Page   8
1-012   ERRSET   14-Sep-1984 12:31:28   [FORRTL.SRC]COMERRSET.B32;1   (3)

C 14

```
                                           30  DD  0008B          PUSHL    #48
                                64         01  FB  0008D          CALLS    #1, FOR$$SIG_NO_LUB
                                62         04  8A  00090  10$:    BICB2    #4, (R2)
                                05         6C  91  00093  11$:    CMPB     (AP), #5
                                           0B  1F  00096          BLSSU    12$
                                14         AC  D5  00098          TSTL     20(AP)
                                           06  13  0009B          BEQL     12$
            62              01        03   14  BC  F0  0009D      INSV     @LOG, #3, #1, (R2)
                                06         6C  91  000A3  12$:    CMPB     (AP), #6
                                           0D  1F  000A6          BLSSU    13$
                                18         AC  D5  000A8          TSTL     24(AP)
                                           08  13  000AB          BEQL     13$
                      00000000G  00   18   BC  3C  000AD          MOVZWL   @MAXLIM, COM$$ERRORCOUNT
                      0000004A   8F        53  D1  000B5  13$:    CMPL     N, #74
                                           0F  12  000BC          BNEQ     14$
            50 00000000G  00        01     03  EF  000BE          EXTZV    #3, #1, COM$$ERR_TAB+74, R0
      04    AE               01     06     50  F0  000C7          INSV     R0, #6, #1, 4(FP)
                                           04  000CD  14$:        RET
```

; Routine Size: 206 bytes,   Routine Base: _FOR$CODE + 0000

```
; 291          0422  1
; 292          0423  1
; 293          0424  1 END
; 294          0425  0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_FOR$CODE	206	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[SYSLIB]STARLET.L32;1	9776	6	0	581	00:01.0
_255DUA28:[FORRTL.OBJ]FORLIB.L32;1	711	3	0	52	00:00.6
_255DUA28:[FORRTL.OBJ]RTLLIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

COM$ERRSET   FORTRAN compatibility error set (ERRSET)   D 14
16-Sep-1984 00:09:27   VAX-11 Bliss-32 V4.0-742   Page 9
1-012   ERRSET   14-Sep-1984 12:31:28   [FORRTL.SRC]COMERRSET.B32;1   (3)

```
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:COMERRSET/OBJ=OBJ$:COMERRSET MSRC$:COMERRSET/UPDATE=(ENH$:COMERRSET
;       )

; Size:          206 code + 0 data bytes
; Run Time:          00:07.9
; Elapsed Time:      00:29.0
; Lines/CPU Min:     3244
; Lexemes/CPU-Min: 14511
; Memory Used:  105 pages
; Compilation Complete
```

COMASSIGN
LIS

FORIOSDEF
SDL

FORFMT
REQ

FOROPN
REQ

COMR50ASC
LIS

COMERRTST
LIS

FDLTRFVEC
LIS

FORPAR
SDL

FORLIB
REQ

COMERRSET
LIS

COMIRAD50
LIS

FORPROLOG
REQ

FORRTL

FORRCE
SDL

FORMACROS
REQ

FORRTL
MAP

COMFDBSET
LIS

FORERR
SDL

FORDEF
FOR

COMEST
REQ

FORNML
REQ

COMCLOSE
LIS