```
PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSS     CCCCCCCCCCC     AAAAAAAAA     LLL
PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSS     CCCCCCCCCCC     AAAAAAAAA     LLL
PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSS     CCCCCCCCCCC     AAAAAAAAA     LLL
PPP         PPP    AAA       AAA    SSS             CCC             AAA       AAA   LLL
PPP         PPP    AAA       AAA    SSS             CCC             AAA       AAA   LLL
PPP         PPP    AAA       AAA    SSS             CCC             AAA       AAA   LLL
PPP         PPP    AAA       AAA    SSS             CCC             AAA       AAA   LLL
PPP         PPP    AAA       AAA    SSS             CCC             AAA       AAA   LLL
PPPPPPPPPPPP       AAA       AAA      SSSSSSSS      CCC             AAA       AAA   LLL
PPPPPPPPPPPP       AAA       AAA      SSSSSSSS      CCC             AAA       AAA   LLL
PPPPPPPPPPPP       AAA       AAA      SSSSSSSS      CCC             AAA       AAA   LLL
PPP                AAAAAAAAAAAAAAA          SSS     CCC             AAAAAAAAAAAAAAA   LLL
PPP                AAAAAAAAAAAAAAA          SSS     CCC             AAAAAAAAAAAAAAA   LLL
PPP                AAAAAAAAAAAAAAA          SSS     CCC             AAAAAAAAAAAAAAA   LLL
PPP                AAA       AAA            SSS     CCC             AAA       AAA     LLL
PPP                AAA       AAA            SSS     CCC             AAA       AAA     LLL
PPP                AAA       AAA            SSS     CCC             AAA       AAA     LLL
PPP                AAA       AAA    SSSSSSSSSSS       CCCCCCCCCCC   AAA       AAA     LLLLLLLLLLLLLLL
PPP                AAA       AAA    SSSSSSSSSSS       CCCCCCCCCCC   AAA       AAA     LLLLLLLLLLLLLLL
PPP                AAA       AAA    SSSSSSSSSSS       CCCCCCCCCCC   AAA       AAA     LLLLLLLLLLLLLLL
```

```
PPPPPPPP      AAAAAA      SSSSSSSS  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
PPPPPPPP      AAAAAA      SSSSSSSS  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
PP      PP   AA      AA  SS        DD      DD  EE          FF
PP      PP   AA      AA  SS        DD      DD  EE          FF
PP      PP   AA      AA  SS        DD      DD  EE          FF
PP      PP   AA      AA  SS        DD      DD  EE          FF
PPPPPPPP     AA      AA    SSSSSS  DD      DD  EEEEEEEE    FFFFFFFF
PPPPPPPP     AA      AA    SSSSSS  DD      DD  EEEEEEEE    FFFFFFFF
PP           AAAAAAAAAA          SS  DD      DD  EE          FF
PP           AAAAAAAAAA          SS  DD      DD  EE          FF
PP           AA      AA          SS  DD      DD  EE          FF          ....
PP           AA      AA          SS  DD      DD  EE          FF          ....
PP           AA      AA  SSSSSSSS    DDDDDDDD    EEEEEEEEEE  FF          ....
PP           AA      AA  SSSSSSSS    DDDDDDDD    EEEEEEEEEE  FF          ....

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
```

```
0000     1  ; REQUIRE file for VAX-11 Common Run-Time Procedure Library error condition valu
0000     2  ; File: PASMSG.MDL, Version 'V04-000'
0000     3  ;
0000     4  ;*****************************************************************************
0000     5  ;*                                                                           *
0000     6  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
0000     7  ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
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0000    14  ;*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
0000    15  ;*  TRANSFERRED.                                                             *
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0000    18  ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
0000    19  ;*  CORPORATION.                                                             *
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0000    22  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    23  ;*                                                                           *
0000    24  ;*                                                                           *
0000    25  ;*****************************************************************************
0000    26  ;
0000    27  ; Author : S. Azibert
0000    28  ; 1-001 - Original.
0000    29
0000    30  ;+
0000    31  ; Symbols are defined following the standard for global names:
0000    32  ;
0000    33  ;       PAS$_abcmnoxyz
0000    34  ;
0000    35  ; In addition, the library standards specify that the letters "abc", "mno",
0000    36  ; and "xyz" are the first three letters of the first three words of the error
0000    37  ; message, not counting articles and prepositions.
0000    38  ;
0000    39  ; The names of all procedures using each error condition value should appear
0000    40  ; in the comments included with each error definition.
0000    41  ;
0000    42
0000    43  ; MACRO-32 Programming:
0000    44  ;
0000    45  ; The macros call:
0000    46  ;
0000    47  ;       $PASDEF
0000    48  ;
0000    49  ; will cause all symbols to be made available to the module.
0000    50  ; These symbols are declared EXTERNAL by the Run-time Library,
0000    51  ; the macros are provided only for the convenience of the user.
0000    52
0000    53  ;-
0000    54
0000    55
0000    56          .TITLE  PAS$ERRDEF
0000    57
```

```
0000     58          .MACRO  $PASDEF,$GBL    ; Define PASCAL message id/error codes
0000     59
0000     60          $DEFINI PAS,$GBL
0000     61
0000     62                                  ; Make all errors be warnings (except as noted)
0000     63
0000     64  $EQULST PAS$_,$GBL,32*8+2195456,16,<-  ; Start at PASCAL error 32
0000     65  -                               ; Set sub-system specific bit and make all errors wa
0000     66  -                               ; Set LH to 33 (decimal).
0000     67  -
0000     68                  <PROEXCSTA>-    ; MSG FAOCNT=3<process exceeds stack maximum size !/
0000     69                  <PROEXCHEA>-    ; MSG FAOCNT=3<process exceeds heap maximum size !/!
0000     70                  <SUBASGBOU>-    ; MSG FAOCNT=3<subrange assignment out of bounds !/!
0000     71                  <SETASGBOU>-    ; MSG FAOCNT=3<SET assignment out of bounds !/!+!+ u
0000     72                  <CASSELBOU>-    ; MSG FAOCNT=3<CASE selector out of bounds !/!+!+ us
0000     73                  <INVASGINC>-    ; MSG FAOCNT=3<invalid assignment of incompatible dy
0000     74                  <ATTDISINV>-    ; MSG FAOCNT=3<attempt to dispose invalid pointer va
0000     75                  >
0000     76
0000     77  $EQULST PAS$_,$GBL,96*8+2195456,16,<-  ; start at PSACAL error
0000     78  -                               ; set sub-system specific bit and make all
0000     79  -                               ; errors warnings
0000     80  -
0000     81                  <ERRACCFIL>-    ; MSG FAOCNT=3<error in accessing file !AD !+!+>
0000     82                  <ERROPECRE>-    ; MSG FAOCNT=3<error opening/creating file !+!+!+>
0000     83                  <FILBUFNOT>-    ; MSG FAOCNT=3<file buffer not allocated !+!+!+>
0000     84                  <RESREQREA>-    ; MSG FAOCNT=3<RESET required before reading file !+
0000     85                  <REWREQWRI>-    ; MSG FAOCNT=3<REWRITE required before writing to fi
0000     86                  <ERRRESFIL>-    ; MSG FAOCNT=3<error resetting file !+!+!+>
0000     87                  <ERRREWFIL>-    ; MSG FAOCNT=3<error rewriting file !+!+!+>
0000     88                  <LINLIMEXC>-    ; MSG FAOCNT=3<LINELIMIT exceeded, LINELIMIT = !UL !
0000     89                  <LINLENEXC>-    ; MSG FAOCNT=3<line length exceeded, line length = !
0000     90                  <INPCONERR>-    ; MSG FAOCNT=3<input conversion error !+!+!+>
0000     91                  >
0000     92  $EQULST PAS$_,$GBL,,16,<-
0000     93                  <OUTCONERR>-    ; MSG FAOCNT=3<output conversion error !+!+!+>
0000     94                  <ERRCLOFIL>-    ; MSG FAOCNT=3<error closing file !+!+!+>
0000     95                  <FILTYPNOT>-    ; MSG FAOCNT=3<file type not appropriate !+!+!+>
0000     96                  <RESREQACC>-    ; MSG FAOCNT=3<RESET required before accessing file
0000     97                  <FILNOTCLO>-    ; MSG FAOCNT=3<files INPUT and OUTPUT cannot be clos
0000     98                  <FILOUTINV>-    ; MSG FAOCNT=3<file OUTPUT opened with invalid param
0000     99                  <OTHER>-                ; MSG FAOCNT=1<!AS>
0000    100  -
0000    101                  >
0000    102
0000    103
0000    104          $DEFEND PAS,$GBL,DEF            ; End of PASCAL error codes
0000    105
0000    106          .ENDM   $PASDEF
0000    107
0000    108  ; End of file PASMSG.MDL
0000    109 $pasdef GLOBAL
0000    110 .end
```

```
BIT...          = 00218410
PAS$_ATTDISINV = 00218160  G
PAS$_CASSELBOU = 00218140  G
PAS$_ERRACCFIL = 00218300  G
PAS$_ERRCLOFIL = 002183B0  G
PAS$_ERROPECRE = 00218310  G
PAS$_ERRRESFIL = 00218350  G
PAS$_ERRREWFIL = 00218360  G
PAS$_FILBUFNOT = 00218320  G
PAS$_FILNOTCLO = 002183E0  G
PAS$_FILOUTINV = 002183F0  G
PAS$_FILTYPNOT = 002183C0  G
PAS$_INPCONERR = 00218390  G
PAS$_INVASGINC = 00218150  G
PAS$_LINLENEXC = 00218380  G
PAS$_LINLIMEXC = 00218370  G
PAS$_OTHER      = 00218400  G
PAS$_OUTCONERR = 002183A0  G
PAS$_PROEXCHEA = 00218110  G
PAS$_PROEXCSTA = 00218100  G
PAS$_RESREQACC = 002183D0  G
PAS$_RESREQREA = 00218330  G
PAS$_REWREQWRI = 00218340  G
PAS$_SETASGBOU = 00218130  G
PAS$_SUBASGBOU = 00218120  G
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.08	00:00:00.78
Command processing	121	00:00:00.43	00:00:02.38
Pass 1	120	00:00:01.35	00:00:03.95
Symbol table sort	0	00:00:00.01	00:00:00.01
Pass 2	40	00:00:00.39	00:00:01.04
Symbol table output	4	00:00:00.03	00:00:00.03
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	326	00:00:02.32	00:00:08.23

```
The working set limit was 900 pages.
4238 bytes (9 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 25 non-local and 0 local symbols.
110 source lines were read in Pass 1, producing 9 object records in Pass 2.
10 pages of virtual memory were used to define 9 macros.
```

```
                          +----------------------------+
                          ! Macro library statistics !
                          +----------------------------+

Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[SYSLIB]STARLET.MLB;2                    4

66 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/DISABLE=TRACE/LIS=LIS$:PASDEF/OBJ=OBJ$:PASDEF MSRC$:PASDEF/UPDATE=(ENH$:PASDEF)
```

PASDEF
LIS

PASI02
LIS

STATUS
LIS

UNKNOWN
LIS

SHUTDOWN
LIS

SHARE
LIS

PASI01
LIS

PASI03
LIS

PASCAL

PASCLINE
LIS

TIMESTAMP
LIS