```
PPPPPPPPPPP          AAAAAAAAA        SSSSSSSSSSSS    RRRRRRRRRRR       TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP         AAAAAAAAA        SSSSSSSSSSSS    RRRRRRRRRRR       TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP         AAAAAAAAA        SSSSSSSSSSSS    RRRRRRRRRRR       TTTTTTTTTTTTTTT  LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPP        PPP    AAA        AAA   SSS               RRR        RRR         TTT          LLL
PPPPPPPPPPPP      AAA        AAA      SSSSSSSSS       RRRRRRRRRRR           TTT          LLL
PPPPPPPPPPPP      AAA        AAA      SSSSSSSSS       RRRRRRRRRRR           TTT          LLL
PPPPPPPPPPPP      AAA        AAA      SSSSSSSSS       RRRRRRRRRRR           TTT          LLL
PPP               AAAAAAAAAAAAAAA             SSS     RRR    RRR            TTT          LLL
PPP               AAAAAAAAAAAAAAA             SSS     RRR    RRR            TTT          LLL
PPP               AAAAAAAAAAAAAAA             SSS     RRR    RRR            TTT          LLL
PPP               AAA        AAA              SSS     RRR        RRR        TTT          LLL
PPP               AAA        AAA              SSS     RRR        RRR        TTT          LLL
PPP               AAA        AAA              SSS     RRR        RRR        TTT          LLL
PPP               AAA        AAA   SSSSSSSSSSSS       RRR        RRR        TTT          LLLLLLLLLLLLLLL
PPP               AAA        AAA   SSSSSSSSSSSS       RRR        RRR        TTT          LLLLLLLLLLLLLLL
PPP               AAA        AAA   SSSSSSSSSSSS       RRR        RRR        TTT          LLLLLLLLLLLLLLL
```

```
PPPPPPPP      AAAAAA      SSSSSSSS  FFFFFFFFFF    AAAAAA    BBBBBBBB
PPPPPPPP      AAAAAA      SSSSSSSSS FFFFFFFFFF    AAAAAA    BBBBBBBBB
PP      PP  AA      AA  SS          FF          AA      AA  BB      BB
PP      PP  AA      AA  SS          FF          AA      AA  BB      BB
PP      PP  AA      AA  SS          FF          AA      AA  BB      BB
PP      PP  AA      AA  SS          FF          AA      AA  BB      BB
PPPPPPPP  AA      AA    SSSSSS      FFFFFFFF    AA      AA  BBBBBBBB
PPPPPPPP  AA      AA    SSSSSS      FFFFFFFF    AA      AA  BBBBBBBBB
PP        AAAAAAAAAA          SS  FF          AAAAAAAAAA  BB      BB
PP        AAAAAAAAAA          SS  FF          AAAAAAAAAA  BB      BB
PP        AA      AA          SS  FF          AA      AA  BB      BB
PP        AA      AA          SS  FF          AA      AA  BB      BB
PP        AA      AA  SSSSSSSS    FF          AA      AA  BBBBBBBB
PP        AA      AA  SSSSSSSS    FF          AA      AA  BBBBBBBB


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    0001   0  MODULE PAS$FAB  ( %TITLE 'Get FAB address of file'
   2    0002   0                    IDENT = '1-001'                     ! File: PASFAB.B32 Edit: SBL1001
   3    0003   0                    ) =
   4    0004   1  BEGIN
   5    0005   1
   6    0006   1  !*****************************************************************************
   7    0007   1  !*                                                                           *
   8    0008   1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
   9    0009   1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                  *
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  16    0016   1  !*   OTHER PERSON.  NC TITLE TO AND OWNERSHIP OF  THE  SOFTWARE  IS  HEREBY  *
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  18    0018   1  !*                                                                           *
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  20    0020   1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
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  22    0022   1  !*                                                                           *
  23    0023   1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
  24    0024   1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
  25    0025   1  !*                                                                           *
  26    0026   1  !*                                                                           *
  27    0027   1  !*****************************************************************************
  28    0028   1  !
  29    0029   1
  30    0030   1  !++
  31    0031   1  ! FACILITY:      Pascal Language Support
  32    0032   1  !
  33    0033   1  ! ABSTRACT:
  34    0034   1  !
  35    0035   1  !      This module contains a procedure which returns a pointer to the
  36    0036   1  !      RMS FAB for a specified file.
  37    0037   1  !
  38    0038   1  ! ENVIRONMENT:  User mode - AST reentrant
  39    0039   1  !
  40    0040   1  ! AUTHOR: Steven B. Lionel, CREATION DATE: 19-October-1981
  41    0041   1  !
  42    0042   1  ! MODIFIED BY:
  43    0043   1  !
  44    0044   1  ! 1-001 - Original.  SBL 19-October-1981
  45    0045   1  !--
```

PAS$FAB
1-001

I 6
16-Sep-1984 01:32:30   VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:51:28   [PASRTL.SRC]PASFAB.B32;1

Get FAB address of file
Declarations

Page 2
(2)

```
   47      0046  1 %SBTTL 'Declarations'
   48      0047  1 !
   49      0048  1 ! PROLOGUE DEFINITIONS:
   50      0049  1 !
   51      0050  1
   52      0051  1 REQUIRE 'RTLIN:PASPROLOG';              ! Externals, linkages, PSECTs, structures
   53      0115  1
   54      0116  1 !
   55      0117  1 ! TABLE OF CONTENTS:
   56      0118  1 !
   57      0119  1
   58      0120  1 FORWARD ROUTINE
   59      0121  1     PAS$FAB;                             ! Get FAB address of file
   60      0122  1
   61      0123  1 !
   62      0124  1 ! MACROS:
   63      0125  1 !
   64      0126  1 !       NONE
   65      0127  1 !
   66      0128  1 ! EQUATED SYMBOLS:
   67      0129  1 !
   68      0130  1 !       NONE
   69      0131  1 !
   70      0132  1 ! FIELDS:
   71      0133  1 !
   72      0134  1 !       NONE
   73      0135  1 !
   74      0136  1 ! OWN STORAGE:
   75      0137  1 !
   76      0138  1 !       NONE
```

```
 78      0139   1   %SBTTL 'PAS$FAB - Get FAB address of file'
 79      0140   1   GLOBAL ROUTINE PAS$FAB  (                                ! Get FAB address of file
 80      0141   1           PFV: REF $PAS$PFV_FILE_VARIABLE                  ! File variable
 81      0142   1       ) =
 82      0143   1
 83      0144   1   !++
 84      0145   1   ! FUNCTIONAL DESCRIPTION:
 85      0146   1   !
 86      0147   1   !     This procedure returns a pointer to the RMS File Attributes
 87      0148   1   !     Block (FAB) for the specified file, if one exists.
 88      0149   1   !
 89      0150   1   ! CALLING SEQUENCE:
 90      0151   1   !
 91      0152   1   !     fab.wa.v = PAS$FAB (pfv.rr.r)
 92      0153   1   !
 93      0154   1   ! FORMAL PARAMETERS:
 94      0155   1   !
 95      0156   1   !     PFV               - The Pascal File Variable (PFV) passed by reference.
 96      0157   1   !                         The structure of the PFV is defined in PASPFV.REQ.
 97      0158   1   !
 98      0159   1   ! IMPLICIT INPUTS:
 99      0160   1   !
100      0161   1   !     NONE
101      0162   1   !
102      0163   1   ! IMPLICIT OUTPUTS:
103      0164   1   !
104      0165   1   !     NONE
105      0166   1   !
106      0167   1   ! ROUTINE VALUE:
107      0168   1   !
108      0169   1   !     The address of the file's FAB, or zero if none exists.
109      0170   1   !
110      0171   1   ! SIDE EFFECTS:
111      0172   1   !
112      0173   1   !     Opens INPUT or OUTPUT
113      0174   1   !
114      0175   1   ! SIGNALLED ERRORS:
115      0176   1   !
116      0177   1   !     NONE
117      0178   1   !
118      0179   1   !--
119      0180   1
120      0181   2       BEGIN
121      0182   2
122      0183   2       LOCAL
123      0184   2           RAB: REF BLOCK [, BYTE];           ! RMS RAB
124      0185   2
125      0186   2       !+
126      0187   2       ! Call PAS$RAB to get the address of the RAB for this file.  PAS$RAB
127      0188   2       ! may open INPUT or OUTPUT.  It returns zero if there is no RAB.
128      0189   2       !-
129      0190   2
130      0191   2       RAB = PAS$RAB (PFV [PFV$R_PFV]);
131      0192   2
132      0193   2       !+
133      0194   2       ! If the RAB is defined, return the FAB address, otherwise zero.
134      0195   2       !-
```

PAS$FAB   Get FAB address of file   16-Sep-1984 01:32:30 VAX-11 Bliss-32 V4.0-742   Page 4
1-001   PAS$FAB - Get FAB address of file   14-Sep-1984 12:51:28 [PASRTL.SRC]PASFAB.B32;1 (3)

K 6

```
; 135    0196  2
; 136    0197  2           IF .RAB NEQA 0
; 137    0198  2           THEN
; 138    0199  2               RETURN .RAB [RAB$L_FAB]
; 139    0200  2           ELSE
; 140    0201  2               RETURN .RAB;
; 141    0202  2
; 142    0203  1           END;                                              ! End of routine PAS$FAB


                                                          .TITLE   PAS$FAB Get FAB address of file
                                                          .IDENT   \1-001\

                                                          .EXTRN   PAS$RAB

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

                                      0000 00000          .ENTRY   PAS$FAB, Save nothing          ; 0140
                            04   AC   DD 00002   PUSHL    PFV                                      ; 0191
          00000000G  00          01   FB 00005   CALLS    #1, PAS$RAB
                                 50   D5 0000C   TSTL     RAB                                      ; 0197
                            04   13 0000E   BEQL     1$
          50   3C   A0   D0 00010   MOVL     60(RAB), R0                                            ; 0201
                            04 00014 1$:   RET                                                     ; 0203

; Routine Size: 21 bytes,    Routine Base: _PAS$CODE + 0000


; 143    0204  1
; 144    0205  1 !<BLF/PAGE>
; 145    0206  1 END                                                         ! End of module PAS$FAB
; 146    0207  1
; 147    0208  0 ELUDOM
```

;   PSECT SUMMARY

; Name   Bytes   Attributes

; _PAS$CODE   21 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

;   Library Statistics

File	-------- Symbols -------- Total	Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:00.9
_255DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	20	4	33	00:00.4

PAS$FAB   Get FAB address of file   L 6
1-001   PAS$FAB - Get FAB address of file   16-Sep-1984 01:32:30   VAX-11 Bliss-32 V4.0-742   Page 5
                                                                        14-Sep-1984 12:51:28   [PASRTL.SRC]PASFAB.B32;1   (3)

;   COMMAND QUALIFIERS

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

; Size: 21 code + 0 data bytes
; Run Time: 00:03.3
; Elapsed Time: 00:11.4
; Lines/CPU Min: 3736
; Lexemes/CPU-Min: 5497
; Memory Used: 34 pages
; Compilation Complete

PASFVOUTP
LIS

PASEOLN2
LIS

PASHEAP
LIS

PASHANDLE
LIS

PASFAB
LIS

PASGET
LIS

PASCVTRT
LIS

PASDATE
LIS

PASEOF2.
LIS

PASFINDK
LIS

PASFVINPU
LIS

PASEXPO
LIS

PASGOTO
LIS

PASFILEUT
LIS

PASHALT
LIS

PASDELETE
LIS

PASFIND2
LIS