



```

PPPPPPPP      AAAAAA      SSSSSSSS  FFFFFFFFFF  VV      VV      IIIIII
PPPPPPPP      AAAAAA      SSSSSSSS  FFFFFFFFFF  VV      VV      IIIIII
PP      PP    AA      AA    SS      FF      FF      VV      VV      II
PP      PP    AA      AA    SS      FF      FF      VV      VV      II
PP      PP    AA      AA    SS      FF      FF      VV      VV      II
PP      PP    AA      AA    SS      FF      FF      VV      VV      II
PPPPPPPP      AA      AA    SSSSSS  FFFFFFFF  VV      VV      II
PPPPPPPP      AA      AA    SSSSSS  FFFFFFFF  VV      VV      II
PP      AAAAAAAAAA      SS      FF      FF      VV      VV      II
PP      AAAAAAAAAA      SS      FF      FF      VV      VV      II
PP      AA      AA    SS      FF      FF      VV      VV      II
PP      AA      AA    SS      FF      FF      VV      VV      II
PP      AA      AA    SSSSSSSS  FF      FF      VV      VV      IIIIII
PP      AA      AA    SSSSSSSS  FF      FF      VV      VV      IIIIII

```

```

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
LLLLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLLLL  IIIIII      SSSSSSSS

```

.....

```

1 0001 0 MODULE PASSFV_INPUT ( %TITLE 'File Variable INPUT'
2 0002 0 IDENT = '1-001' ! File: PASFVINPU.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 *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: VAX-11 Pascal Run-Time Library
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains the global Pascal File Variable INPUT (PFV),
36 0036 1 along with its associated Pascal File Descriptor (PFD) block.
37 0037 1 This variable is referenced by VAX-11 Pascal programs as the
38 0038 1 file INPUT.
39 0039 1
40 0040 1 ENVIRONMENT: Contains no code.
41 0041 1
42 0042 1 AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
43 0043 1
44 0044 1 MODIFIED BY:
45 0045 1
46 0046 1 1-001 - Original. SBL 1-April-1981
47 0047 1 --
48 0048 1

```

```

50 0049 1 %SBTTL 'Declarations'
51 0050 1
52 0051 1 : PROLOGUE DEFINITIONS
53 0052 1 :
54 0053 1
55 0054 1 REQUIRE 'RTLIN:PASPROLOG'; . Externals, linkages, PSECTs, structures
56 0118 1
57 0119 1
58 0120 1 : MACROS:
59 0121 1
60 0122 1 : NONE
61 0123 1
62 0124 1 : EQUATED SYMBOLS:
63 0125 1
64 0126 1 : NONE
65 0127 1
66 0128 1 : FIELDS:
67 0129 1
68 0130 1 : NONE
69 0131 1
70 0132 1 : OWN STORAGE:
71 0133 1 :
72 0134 1 :
73 0135 1 OWN
74 0136 1 :+
75 0137 1 : First define PFD block so that it can be referenced by the PFV.
76 0138 1 :-
77 0139 1
78 0140 1 PFD_INPUT: BLOCK [PFD$K SIZE+%CHARCOUNT('INPUT'), BYTE]
79 0141 1 FIELD (PFD$FIELDS) PSECT (_PASSCODE)
80 0142 1 PRESET (
81 0143 1 [PFD$V_TEXT] = 1,
82 0144 1 [PFD$V_EXTERN] = 1,
83 0145 1 [PFD$V_STATIC] = 1,
84 0146 1 [PFD$L_LENGTH] = 1,
85 0147 1 [PFD$T_NAME] = %CHARCOUNT('INPUT'),
86 0148 1 [PFD$B_NAME1] = %C'I',
87 0149 1 [PFD$B_NAME2] = %C'N',
88 0150 1 [PFD$B_NAME3] = %C'P',
89 0151 1 [PFD$B_NAME4] = %C'U',
90 0152 1 [PFD$B_NAME5] = %C'T',
91 0153 1 );
92 0154 1
93 0155 1 :+
94 0156 1 : Define file buffer for INPUT.
95 0157 1 :-
96 0158 1
97 0159 1 OWN
98 0160 1 BUFFER_INPUT: BYTE;
99 0161 1
100 0162 1 :+
101 0163 1 : Now define the global file variable. Unlike the PFD, the PFV is writeable.
102 0164 1 : Put it in a special PSECT that sorts before _PASS$DATA.
103 0165 1 :-
104 0166 1
105 0167 1 PSECT
106 0168 1 NODEFAULT = _PASS$FILE_VARS (READ, WRITE, NOEXECUTE, NOSHARE, PIC,

```

```

: 107 0169 1 ADDRESSING_MODE (LONG_RELATIVE));
: 108 0170 1
: 109 0171 1 GLOBAL
: 110 0172 1 PASSFV_INPUT: $PASSFV_FILE_VARIABLE PSECT (_PASS$FILE_VARS)
: 111 0173 1 PRESET (
: 112 0174 1 [PFV$B_VERSION] = PFV$K_CUR_VERSION,
: 113 0175 1 [PFV$V_RELPFD] = 1,
: 114 0176 1 [PFV$A_PFD] = (PFD_INPUT - PASSFV_INPUT),
: 115 0177 1 [PFV$V_RELBUF] = 1,
: 116 0178 2 [PFV$A_BUFFER] = (BUFFER_INPUT - PASSFV_INPUT)
: 117 0179 1 );
: 118 0180 1
: 119 0181 1 !+
: 120 0182 1 ! Define enough bytes of storage space to pad PASSFV_INPUT to 32 bytes.
: 121 0183 1 ! This is so that it can be expanded to 32 bytes without affecting its
: 122 0184 1 ! location in the vector.
: 123 0185 1 !-
: 124 0186 1
: 125 0187 1 OWN
: 126 0188 1 PAD_SPACE: VECTOR [32-PFV$K_SIZE, BYTE] PSECT (_PASS$FILE_VARS);
: 127 0189 1
: 128 0190 1 END ! End of module PASSFV_INPUT
: 129 0191 1
: 130 0192 0 ELUDOM

```

```

.TITLE PASSFV_INPUT File Variable INPUT
.IDENT \1-001\

.PSECT _PASS$FILE_VARS,NOEXE, PIC,2

00000000* 00000 PASSFV_INPUT::
          00 00004 .LONG <BUFFER_INPUT-PASSFV_INPUT>
          00# 00005 .BYTE 0
          18 00007 .BYTE 0[2]
00000000* 00008 .LONG <PFD_INPUT-PASSFV_INPUT>
          0000C .BLKB 4
          00010 PAD_SPACE:
          .BLKB 16

.PSECT _PASS$DATA,NOEXE, PIC,2

00000 BUFFER_INPUT:
          .BLKB 1

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

00# 00000 PFD_INPUT:
          61 00004 .BYTE 0[4]
          00# 00005 .BYTE 97
          00000001 00008 .BYTE 0[3]
          54 55 50 4E 49 05 0000C .LONG 1
          .BYTE 5, 73, 78, 80, 85, 84

```

PSECT SUMMARY

Name	Bytes	Attributes
_PASS\$CODE	18	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
_PASS\$DATA	1	NOVEC, WRT, RD, NOEXE,NOSHR, LCL, REL, CON, PIC,ALIGN(2)
_PASS\$FILE_VARS	32	NOVEC, WRT, RD, NOEXE,NOSHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Percent	Pages Mapped	Processing Time
	Total	Loaded			
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.9
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	43	10	33	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:PASFVINPU/OBJ=OBJ\$:PASFVINPU MSRC\$:PASFVINPU/UPDATE=(ENHS\$:PASFVINPU)

: Size: 0 code + 51 data bytes  
 : Run Time: 00:03.5  
 : Elapsed Time: 00:17.1  
 : Lines/CPU Min: 3263  
 : Lexemes/CPU-Min: 14158  
 : Memory Used: 36 pages  
 : Compilation Complete

