


```

PPPPPPPP      AAAAAA      SSSSSSSS      FFFFFFFF      VV      VV      IIIIII      NN      NN      PPPPPPPP      UU      UU
PPPPPPPP      AAAAAA      SSSSSSSS      FFFFFFFF      VV      VV      IIIIII      NN      NN      PPPPPPPP      UU      UU
PP      PP      AA      AA      SS      FF      VV      VV      II      NN      NN      PP      PP      UU      UU
PP      PP      AA      AA      SS      FF      VV      VV      II      NN      NN      PP      PP      UU      UU
PP      PP      AA      AA      SS      FF      VV      VV      II      NNNN      NN      PP      PP      UU      UU
PPPPPPPP      AA      AA      SSSSSS      FFFFFFFF      VV      VV      II      NN      NN      PPPPPPPP      UU      UU
PPPPPPPP      AA      AA      SSSSSS      FFFFFFFF      VV      VV      II      NN      NN      PPPPPPPP      UU      UU
PP      AAAAAAAAAA      SS      FF      VV      VV      II      NN      NNNN      PP      UU      UU
PP      AAAAAAAAAA      SS      FF      VV      VV      II      NN      NNNN      PP      UU      UU
PP      AA      AA      SS      FF      VV      VV      II      NN      NN      PP      UU      UU
PP      AA      AA      SS      FF      VV      VV      II      NN      NN      PP      UU      UU
PP      AA      AA      SSSSSSSS      FF      VV      VV      IIIIII      NN      NN      PP      UU      UU
PP      AA      AA      SSSSSSSS      FF      VV      VV      IIIIII      NN      NN      PP      UU      UU

```

```

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      IIIIII      SSSSSSSS
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 *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
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: 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 _PASSDATA.
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
: 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	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$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=(ENH\$: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

