



```

PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  FFFFFFFFFF  BBBB88888
PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  FFFFFFFFFF  BBBB88888
PP      PP  AA      AA  SS      UU      UU  FF      BB      BB
PP      PP  AA      AA  SS      UU      UU  FF      BB      BB
PP      PP  AA      AA  SS      UU      UU  FF      BB      BB
PP      PP  AA      AA  SS      UU      UU  FF      BB      BB
PPPPPPPP      AA      AA  SSSSSS  UU      UU  FFFFFFFF  BBBB88888
PPPPPPPP      AA      AA  SSSSSS  UU      UU  FFFFFFFF  BBBB88888
PP      AAAAAAAAAA      SS      UU      UU  FF      BB      BB
PP      AAAAAAAAAA      SS      UU      UU  FF      BB      BB
PP      AA      AA  SS      UU      UU  FF      BB      BB
PP      AA      AA  SS      UU      UU  FF      BB      BB
PP      AA      AA  SSSSSSSS  UUUUUUUUUU  FF      BBBB88888
PP      AA      AA  SSSSSSSS  UUUUUUUUUU  FF      BBBB88888

```

```

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 PASSUFB ( %TITLE 'Inquire if undefined file buffer'
2 0002 0 IDENT = '1-001' ! File: PASUFB.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: Pascal Language Support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This procedure implements the Pascal UFB procedure. It
36 0036 1 is not called directly from compiled code, but rather can
37 0037 1 be passed as a procedure by users.
38 0038 1
39 0039 1 ENVIRONMENT: User mode - AST reentrant
40 0040 1
41 0041 1 AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. SBL 1-April-1981
46 0046 1 --
47 0047 1

```

```
49 0048 1 %SBTTL 'Declarations'  
50 0049 1  
51 0050 1 : PROLOGUE DEFINITIONS:  
52 0051 1 :  
53 0052 1  
54 0053 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures  
55 0117 1  
56 0118 1 :  
57 0119 1 : TABLE OF CONTENTS:  
58 0120 1 :  
59 0121 1  
60 0122 1 FORWARD ROUTINE  
61 0123 1 PASSUFB;           ! Inquire if undefined file buffer  
62 0124 1  
63 0125 1 :  
64 0126 1 : MACROS:  
65 0127 1 :  
66 0128 1 : NONE  
67 0129 1 :  
68 0130 1 : EQUATED SYMBOLS:  
69 0131 1 :  
70 0132 1 : NONE  
71 0133 1 :  
72 0134 1 : FIELDS:  
73 0135 1 :  
74 0136 1 : NONE  
75 0137 1 :  
76 0138 1 : OWN STORAGE:  
77 0139 1 :  
78 0140 1 : NONE  
79 0141 1 :
```

PAS  
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MA

```

: 81 0142 1 %SBTTL 'PASS$UFB - Inquire if undefined file buffer'
: 82 0143 1 GLOBAL ROUTINE PASS$UFB (           ! Inquire if undefined file buffer
: 83 0144 1     PFV: REF $PASS$PFV_FILE_VARIABLE ! File variable
: 84 0145 1     ) =
: 85 0146 1
: 86 0147 1 !++
: 87 0148 1 ! FUNCTIONAL DESCRIPTION:
: 88 0149 1
: 89 0150 1     This procedure returns a boolean value TRUE if the given file's
: 90 0151 1     buffer is undefined, FALSE otherwise.
: 91 0152 1
: 92 0153 1 ! CALLING SEQUENCE:
: 93 0154 1
: 94 0155 1     UFB.wv.v = PASS$UFB (PFV.mr.r)
: 95 0156 1
: 96 0157 1 ! FORMAL PARAMETERS:
: 97 0158 1
: 98 0159 1     PFV           - The Pascal File Variable (PFV) passed by reference.
: 99 0160 1                   The structure of the PFV is defined in PASPFV.REQ.
100 0161 1
101 0162 1 ! IMPLICIT INPUTS:
102 0163 1
103 0164 1     NONE
104 0165 1
105 0166 1 ! IMPLICIT OUTPUTS:
106 0167 1
107 0168 1     NONE
108 0169 1
109 0170 1 ! ROUTINE VALUE:
110 0171 1
111 0172 1     Boolean TRUE (1) if file buffer is undefined.
112 0173 1     Boolean FALSE (0) if file buffer is defined.
113 0174 1
114 0175 1 ! SIDE EFFECTS:
115 0176 1
116 0177 1     Resolves any lazy lookahead in progress, possibly opening the file.
117 0178 1
118 0179 1 ! SIGNALLED ERRORS:
119 0180 1
120 0181 1     FILNOTOPE - file not open
121 0182 1
122 0183 1 --
123 0184 1
124 0185 2     BEGIN
125 0186 2
126 0187 2     LOCAL
127 0188 2         FCB: REF $PASS$FCB_CONTROL_BLOCK,      ! Control block
128 0189 2         RESULT,                                ! Function result
129 0190 2         PFV_ADDR: VOLATILE,                    ! Enable argument
130 0191 2         UNWIND_ACT: VOLATILE;                  ! Enable argument
131 0192 2
132 0193 2     ENABLE
133 0194 2         PASS$$IO_HANDLER (PFV_ADDR, UNWIND_ACT);
134 0195 2
135 0196 2     !+
136 0197 2     ! Set the enable argument for the PFV address.
137 0198 2     !-

```

```

138 0199 2
139 0200 2 PFV_ADDR = PFV [PFV$R_PFV];
140 0201 2
141 0202 2
142 0203 2
143 0204 2
144 0205 2
145 0206 2 PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
146 0207 2
147 0208 2
148 0209 2
149 0210 2
150 0211 2
151 0212 2 UNWIND_ACT = PASSK_UNWIND_UNLOCK;
152 0213 2
153 0214 2
154 0215 2
155 0216 2
156 0217 2
157 0218 2 IF NOT .PFV [PFV$V_VALID]
158 0219 2 THEN
159 0220 2     PASS$LOOK_AHEAD (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
160 0221 2
161 0222 2
162 0223 2
163 0224 2
164 0225 2
165 0226 2 IF NOT .PFV [PFV$V_OPEN]      ! Not open
166 0227 2 THEN
167 0228 2     $PASSIO_ERROR (PASS_FILNOTOPE,0);
168 0229 2
169 0230 2
170 0231 2
171 0232 2
172 0233 2
173 0234 2 RESULT = NOT .PFV [PFV$V_DFB];
174 0235 2
175 0236 2
176 0237 2
177 0238 2
178 0239 2
179 0240 2
180 0241 2 FCB [FCB$L_STATUS] = 0;
181 0242 2 PFV [PFV$V_LOCK] = 0;
182 0243 2
183 0244 2 RETURN .RESULT;
184 0245 2
185 0246 1 END;

```

! End of routine PASSUFB

```

.TITLE PASSUFB Inquire if undefined file buffer
.IDENT \1-001\

.EXTRN PASSUFB, PASS$IO_HANDLER
.EXTRN PASS$VALIDATE_PFV
.EXTRN PASS$LOOK_AHEAD
.EXTRN PASS$SIGNAL, PASSK_FILNOTOPE

```

```

.PSECT _PASS$CODE,NOWRT, SHR, PIC,2
.ENTRY PASS$UFB, Save R2,R3,R6,R7
SUBL2 #4, SP
CLRL UNWIND_ACT
CLRL PFV_ADDR
MOVAL 4$, -(FP)
MOVL PFV, R6
MOVL R6, PFV_ADDR
JSB PASS$VACIDATE_PFV
MOVL #1, UNWIND_ACT
BLBS 6(R6), 1$
JSB PASS$LOOK_AHEAD
BBS #5, 7(R6); 2$
CLRL -(SP)
MOVZBL #PASS$K FILNOTOPE, -(SP)
CALLS #2, PASS$SIGNAL
BRB 3$
EXTZV #1, #1, 6(R6), RESULT
MCOML RESULT, RESULT
CLRL -44(FCB)
BICB2 #128, 7(R6)
RET
CLRL R0
RET
.WORD Save nothing
MOVL 8(AP), R0
MOVL 4(R0), R0
PUSHAB UNWIND_ACT
PUSHAB PFV_ADDR
PUSHL #2
PUSHL SP
MOVQ 4(AP), -(SP)
CALLS #3, PASS$IO_HANDLER
RET

```

; Routine Size: 115 bytes, Routine Base: \_PASS\$CODE + 0000

; 186 0247 1  
; 187 0248 1 !<BLF/PAGE>

PAS\$UFB  
1-001

Inquire if undefined file buffer  
PAS\$UFB - Inquire if undefined file buffer

G 6  
16-Sep-1984 02:10:45  
14-Sep-1984 12:51:58

VAX-11 Bliss-32 V4.0-742  
[PASRTL.SPC]PASUFB.B32;1

Page 6  
(4)

PA  
1-

: 189 0249 1 END  
: 190 0250 1  
: 191 0251 0 ELUDOM

: End of module PAS\$UFB

PSECT SUMMARY

Name	Bytes	Attributes
_PAS\$CODE	115	NOVEC,NOWRT, RD, EXE, SHR, 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	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	90	21	33	00:00.4

COMMAND QUALIFIERS

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

: Size: 115 code + 0 data bytes  
: Run Time: 00:04.7  
: Elapsed Time: 00:17.0  
: Lines/CPU Min: 3231  
: Lexemes/CPU-Min: 9000  
: Memory Used: 64 pages  
: Compilation Complete



