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PPPPPPPPPPPP      AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTT      LLL
PPPPPPPPPPPPPP    AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTT      LLL
PPPPPPPPPPPPPP    AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTT      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
PPPPPPPPPPPPPP    AAA          AAA          SSSSSSSSSS      RRRRRRRRRRRR      TTT                LLL
PPPPPPPPPPPPPP    AAA          AAA          SSSSSSSSSS      RRRRRRRRRRRR      TTT                LLL
PPPPPPPPPPPPPP    AAA          AAA          SSSSSSSSSS      RRRRRRRRRRRR      TTT                LLL
PPP                AAAAAAAAAAAAAAAAAA          SSS          RRR          RRR          TTT                LLL
PPP                AAAAAAAAAAAAAAAAAA          SSS          RRR          RRR          TTT                LLL
PPP                AAAAAAAAAAAAAAAAAA          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          SSS          RRR          RRR          TTT                LLL
PPP                AAA          AAA          SSSSSSSSSSSS      RRR                RRR          TTT                LLLLLLLLLLLLLLLLLL
PPP                AAA          AAA          SSSSSSSSSSSS      RRR                RRR          TTT                LLLLLLLLLLLLLLLLLL
PPP                AAA          AAA          SSSSSSSSSSSS      RRR                RRR          TTT                LLLLLLLLLLLLLLLLLL

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PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  FFFFFFFF  BBBB BBBB
PPPPPPPP      AAAAAA      SSSSSSSS  UU      UU  FFFFFFFF  BBBB BBBB
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  BBBB BBBB
PPPPPPPP      AA      AA  SSSSSS  UU      UU  FFFFFFFF  BBBB BBBB
PP      AA      AA      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      SS      UU      UU  FF      BB      BB
PP      AA      AA  SSSSSSSS  UU      UU  FF      BB      BB
PP      AA      AA  SSSSSSSS  UU      UU  FF      BB      BB
UUUUUUUUUU  FF      BB      BB
UUUUUUUUUU  FF      BB      BB
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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$UFB ( %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
```


PAS\$UFB
1-001

Inquire if undefined file buffer
Declarations

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

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

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```
: 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     PASS$UFB;                      ! 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 :
```



```

81 0142 1 %SBTTL 'PAS$UFB - Inquire if undefined file buffer'
82 0143 1 GLOBAL ROUTINE PAS$UFB (
83 0144 1 PFV: REF $PAS$PFV_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 = PAS$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 $PAS$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 PAS$$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 !-
```

PASSUFB
1-001

Inquire if undefined file buffer
PASSUFB - Inquire if undefined file buffer

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

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

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(3)

```

: 138 0199 2
: 139 0200 2 PFV_ADDR = PFV [PFV$R_PFV];
: 140 0201 2
: 141 0202 2 | +
: 142 0203 2 | Validate and lock the PFV.
: 143 0204 2 | -
: 144 0205 2
: 145 0206 2 PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
: 146 0207 2
: 147 0208 2 | +
: 148 0209 2 | Set unwind action to unlock file.
: 149 0210 2 | -
: 150 0211 2
: 151 0212 2 UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
: 152 0213 2
: 153 0214 2 | +
: 154 0215 2 | Call PASS$LOOK_AHEAD to resolve lazy lookahead.
: 155 0216 2 | -
: 156 0217 2
: 157 0218 2 IF NOT .PFV [PFV$V_VALID]
: 158 0219 2 THEN
: 159 0220 2 PASS$LOOK_AHEAD (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
: 160 0221 2
: 161 0222 2 | +
: 162 0223 2 | Verify that file is open.
: 163 0224 2 | -
: 164 0225 2
: 165 0226 2 IF NOT .PFV [PFV$V_OPEN] ! Not open
: 166 0227 2 THEN
: 167 0228 2 $PASS$IO_ERROR (PASS$_FILNOTOPE,0);
: 168 0229 2
: 169 0230 2 | +
: 170 0231 2 | Determine if UFB
: 171 0232 2 | -
: 172 0233 2
: 173 0234 2 RESULT = NOT .PFV [PFV$V_DFB];
: 174 0235 2
: 175 0236 2 | +
: 176 0237 2 | Indicate successful completion
: 177 0238 2 | Unlock file and return.
: 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, PASS\$K_FILNOTOPE

				00CC 00000	.PSECT _PASSCODE,NOWRT, SHR, PIC,2	
	5E		04	C2 00002	.ENTRY PASSUFB, Save R2,R3,R6,R7	: 0143
			7E	D4 00005	SUBL2 #4, SP	: 0185
		04	AE	D4 00007	CLRL UNWIND ACT	
	6D	0045	CF	DE 0000A	CLRL PFV_ADDR	
	56	04	AC	D0 0000F	MOVAL 4\$,-(FP)	
04	AE		56	D0 00013	MOVL PFV, R6	: 0200
		00000000G	00	16 00017	MOVL R6, PFV_ADDR	
	6E		01	D0 0001D	JSB PASS\$VALIDATE_PFV	: 0206
	06	06	A6	E8 00020	MOVL #1, UNWIND_ACT	: 0212
		00000000G	00	16 00024	BLBS 6(R6), 1\$	: 0218
			05	E0 0002A	JSB PASS\$LOOK_AHEAD	: 0220
OF	07	A6	7E	D4 0002F	BBS #5, 7(R6), 2\$	: 0226
			8F	9A 00031	CLRL -(SP)	: 0228
	7E	00G	02	FB 00035	MOVZBL #PASSK_FILNOTOPE, -(SP)	
		00000000G	12	11 0003C	CALLS #2, PASS\$\$SIGNAL	
			01	EF 0003E	BRB 3\$	
50	06	A6	50	D2 00044	EXTZV #1, #1, 6(R6), RESULT	: 0234
			A7	D4 00047	MCOML RESULT, RESULT	
			8F	8A 0004A	CLRL -44(FCB)	: 0241
	07	A6	04	0004F	BICB2 #128, 7(R6)	: 0242
			50	D4 00050	RET	: 0244
			04	00052	CLRL R0	: 0246
			0000	00053	RET	
	50	08	AC	D0 00055	.WORD Save nothing	: 0185
	50	04	A0	D0 00059	MOVL 8(AP), R0	
		F8	A0	9F 0005D	MOVL 4(R0), R0	
		FC	A0	9F 00060	PUSHAB UNWIND ACT	
			02	DD 00063	PUSHAB PFV_ADDR	
			5E	DD 00065	PUSHL #2	
			AC	7D 00067	PUSHL SP	
	7E	04	03	FB 0006B	MOVQ 4(AP), -(SP)	
		00000000G	00	04 00072	CALLS #3, PASS\$\$IO_HANDLER	
					RET	

; Routine Size: 115 bytes, Routine Base: _PASSCODE + 0000

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

PASSUFB
1-001

Inquire if undefined file buffer
PASSUFB - 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.SRC]PASUFB.B32;1

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(4)

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

! End of module PASSUFB

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

0297

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