


```

PPPPPPP      AAAAAA      SSSSSSSS      RRRRRRRR      AAAAAA      BBBB8888
PPPPPPP      AAAAAA      SSSSSSSS      RRRRRRRR      AAAAAA      BBBB8888
PP      PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PP      PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PP      PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PP      PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PPPPPPP      AA      AA      SSSSSS      RRRRRRRR      AA      AA      BBBB8888
PPPPPPP      AA      AA      SSSSSS      RRRRRRRR      AA      AA      BBBB8888
PP      AAAAAAAAAA      SS      RR      RR      AAAAAAAAAA      BB      BB
PP      AAAAAAAAAA      SS      RR      RR      AAAAAAAAAA      BB      BB
PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PP      AA      AA      SS      RR      RR      AA      AA      BB      BB
PP      AA      AA      SSSSSSSS      RR      RR      AA      AA      BBBB8888
PP      AA      AA      SSSSSSSS      RR      RR      AA      AA      BBBB8888

```

```

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 PASSRAB ( %TITLE 'Get RAB address of file'
2 0002 0 IDENT = '1-001' ! File: PASRAB.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 module contains a procedure which returns a pointer to the
36 0036 1 RMS RAB 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 --

```

```
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 PASSRAB;                               ! Get RAB 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  
77 0139 1 :
```

```

79 0140 1 %SBTTL 'PASSRAB - Get RAB address of file'
80 0141 1 GLOBAL ROUTINE PASSRAB (
81 0142 1 PFV: REF $PASSPFV_FILE_VARIABLE      ! Get RAB address of file
82 0143 1 ) =                                     ! File variable
83 0144 1
84 0145 1 !++
85 0146 1 ! FUNCTIONAL DESCRIPTION:
86 0147 1
87 0148 1     This procedure returns a pointer to the RMS Record Attributes
88 0149 1     Block (RAB) for the specified file, if one exists.
89 0150 1
90 0151 1 ! CALLING SEQUENCE:
91 0152 1
92 0153 1     rab.wa.v = PASSRAB (pfv.rr.r)
93 0154 1
94 0155 1 ! FORMAL PARAMETERS:
95 0156 1
96 0157 1     PFV
97 0158 1     - The Pascal File Variable (PFV) passed by reference.
98 0159 1     The structure of the PFV is defined in PASPFV.REQ.
99 0160 1
100 0161 1 ! IMPLICIT INPUTS:
101 0162 1     NONE
102 0163 1
103 0164 1 ! IMPLICIT OUTPUTS:
104 0165 1     NONE
105 0166 1
106 0167 1 ! ROUTINE VALUE:
107 0168 1
108 0169 1     The address of the file's RAB if there is one, otherwise zero.
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 1 BEGIN
121 0182 2
122 0183 2 LOCAL
123 0184 2     FCB: REF $PASSFCB_CONTROL_BLOCK;      ! File Control Block
124 0185 2
125 0186 2 !+
126 0187 2 ! Check for a valid FCB pointer.
127 0188 2 !-
128 0189 2
129 0190 2 IF NOT .PFV [PFV$V_FCB_VALID]
130 0191 2 THEN
131 0192 2 BEGIN
132 0193 3
133 0194 3
134 0195 3     !+
135 0196 3     ! The FCB pointer is not valid. Chec. to see if the file

```

```

: 136 0197 3      ! is INPUT or OUTPUT and if so, whether or not it should be
: 137 0198 3      ! implicitly opened. If so, do it.
: 138 0199 3      !
: 139 0200 3
: 140 0201 3      IF (PFV [PFVSR_PFV] EQLA PASS$V_INPUT) AND NOT .PASS$GV_INPUT_OPENED
: 141 0202 3      THEN
: 142 0203 3          PASS$RESET2 (PFV [PFVSR_PFV])
: 143 0204 3      ELSE IF (PFV [PFVSR_PFV] EQLA PASS$V_OUTPUT) AND NOT .PASS$GV_OUTPUT_OPENED
: 144 0205 3      THEN
: 145 0206 3          PASS$REWRITE2 (PFV [PFVSR_PFV]);
: 146 0207 3      END;
: 147 0208 2
: 148 0209 2      !+
: 149 0210 2      ! The file may or may not have been opened. If the FCB link is shown
: 150 0211 2      ! as valid, return it, otherwise return zero.
: 151 0212 2      !-
: 152 0213 2
: 153 0214 2      IF .PFV [PFV$V_FCB_VALID]
: 154 0215 2      THEN
: 155 0216 2          BEGIN
: 156 0217 2          FCB = .PFV [PFV$A_FCB];
: 157 0218 2          IF NOT .FCB [FCB$V_STRING]
: 158 0219 2          THEN
: 159 0220 2              RETURN .PFV [PFV$A_FCB]
: 160 0221 2          ELSE
: 161 0222 2              RETURN 0;
: 162 0223 2          END
: 163 0224 2      ELSE
: 164 0225 2          RETURN 0;
: 165 0226 2
: 166 0227 1      END;

```

! End of routine PASSRAB

```

.TITLE PASSRAB Get RAB address of file
.IDENT \1-001\

.EXTRN PASSRAB, PASS$GV_INPUT_OPENED
.EXTRN PASS$RESET2, PASS$GV_OUTPUT_OPENED
.EXTRN PASS$REWRITE2
.WEAK PASS$V_INPUT, PASS$V_OUTPUT

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

.ENTRY PASSRAB, Save R2
MOVL PFV, R2
BBS #6, 7(R2), 3$
MOVAB PASS$V_INPUT, R0
CML R2, R0
BNEQ 1$
BLBS PASS$GV_INPUT_OPENED, 1$
PUSHL R2
CALLS #1, PASS$RESET2
BRB 2$
MOVAB PASS$V_OUTPUT, R0
CML R2, R0
BNEQ 2$
BLBS PASS$GV_OUTPUT_OPENED, 2$

```

```

0004 0000
3F 07 52 04 AC D0 00002
A2 06 E0 00006
50 00000000G 00 9E 0000B
50 52 D1 00012
12 12 00015
0B 00000000G 00 E8 00017
52 DD 0001E
00000000G 00 01 FB 00020
1C 11 00027
50 00000000G 00 9E 00029 1$:
50 52 D1 00030
10 12 00033
09 00000000G 00 E8 00035

```

```

: 0141
: 0191
: 0201
: 0203
: 0204
:

```

PASSRAB
1-001

Get RAB address of file
PASSRAB - Get RAB address of file

M 1
16-Sep-1984 01:52:20
14-Sep-1984 12:51:42

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

Page 5
(3)

				52	DD	0003C		PUSHL	R2			: 0206
				01	FB	0003E		CALLS	#1, PASSREWRITE2			: :
OF	00000000G	00		06	E1	00045	2\$:	BBC	#6, 7(R2), 4\$: 0214
	07	A2		A2	D0	0004A	3\$:	MOVL	12(R2), FCB			: 0217
06	FE	A0	OC	04	E0	0004E		BBS	#4, -2(FCB), 4\$: 0218
		52		A2	D0	00053		MOVL	12(R2), R2			: 0222
				02	11	00057		BRB	5\$: :
				52	D4	00059	4\$:	CLRL	R2			: 0225
		50		52	D0	0005B	5\$:	MOVL	R2, R0			: :
				04	0005E			RET				: 0227

: Routine Size: 95 bytes, Routine Base: _PASSCODE + 0000

```

: 167      0228 1
: 168      0229 1 !<BLF/PAGE>
: 169      0230 1 END
: 170      0231 1
: 171      0232 0 ELUDOM

```

! End of module PASSRAB

PSECT SUMMARY

Name	Bytes	Attributes
_PASSCODE	95	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	85	19	33	00:00.4

COMMAND QUALIFIERS

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

```

: Size:          95 code + 0 data bytes
: Run Time:      00:04.3
: Elapsed Time: 00:16.1
: Lines/CPU Min: 3229
: Lexemes/CPU-Min: 7962

```

PASSRAB Get RAB address of file
1-001 PASSRAB - Get RAB address of file

N 1
16-Sep-1984 01:52:20

VAX-11 Bliss-32 V4.0-742

Page 6

PA
1-

; Memory Used: 59 pages
; Compilation Complete

.....

