


```

PPPPPPPP      AAAAAA      SSSSSSSS      RRRRRRRR      AAAAAA      BBBB88888
PPPPPPPP      AAAAAA      SSSSSSSS      RRRRRRRR      AAAAAA      BBBB88888
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
PPPPPPPP      AA      AA      SSSSSS      RRRRRRRR      AA      AA      BBBB88888
PPPPPPPP      AA      AA      SSSSSS      RRRRRRRR      AA      AA      BBBB88888
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      BBBB88888
PP      AA      AA      SSSSSSSS      RR      RR      AA      AA      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 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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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: 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 --

```

PASSRAB
1-001

Get RAB address of file
Declarations

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

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

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(2)

```
: 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           - The Pascal File Variable (PFV) passed by reference.
97 0158 1                   The structure of the PFV is defined in PASPFV.REQ.
98 0159 1
99 0160 1 IMPLICIT INPUTS:
100 0161 1
101 0162 1     NONE
102 0163 1
103 0164 1 IMPLICIT OUTPUTS:
104 0165 1
105 0166 1     NONE
106 0167 1
107 0168 1 ROUTINE VALUE:
108 0169 1
109 0170 1     The address of the file's RAB if there is one, otherwise zero.
110 0171 1
111 0172 1 SIDE EFFECTS:
112 0173 1
113 0174 1     Opens INPUT or OUTPUT.
114 0175 1
115 0176 1 SIGNALLED ERRORS:
116 0177 1
117 0178 1     NONE
118 0179 1
119 0180 1 --
120 0181 1 BEGIN
121 0182 1
122 0183 1 LOCAL
123 0184 1     FCB: REF $PASSFCB_CONTROL_BLOCK;      ! File Control Block
124 0185 1
125 0186 1
126 0187 1 !+
127 0188 1 ! Check for a valid FCB pointer.
128 0189 1 !-
129 0190 1
130 0191 1 IF NOT .PFV [PFV$V_FCB_VALID]
131 0192 1 THEN
132 0193 1     BEGIN
133 0194 1
134 0195 1     !+
135 0196 1     ! The FCB pointer is not valid. Check to see if the file

```

```

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

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

```

```

          0004 00000
3F      07 52      04 AC  D0 00002
          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

```

```

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

```

: 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

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				52	DD	0003C		PUSHL	R2			: 0206
				01	FB	0003E		CALLS	#1, PASSREWRITE2			: 0214
0F	00000000G	00		06	E1	00045	2\$:	BBC	#6, 7(R2), 4\$: 0217
	07	A2		A2	D0	0004A	3\$:	MOVL	12(R2), FCB			: 0218
06	FE	A0	0C	04	E0	0004E		BBS	#4, -2(FCB), 4\$: 0222
		52	0C	A2	D0	00053		MOVL	12(R2), R2			: 0225
				02	11	00057		BRB	5\$: 0227
				52	D4	00059	4\$:	CLRL	R2			
		50		52	D0	0005B	5\$:	MOVL	R2, R0			
				04	0005E			RET				

: 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
1-001

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

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

VAX-11 Bliss-32 V4.0-742

Page 6

; Memory Used: 59 pages
; Compilation Complete

PA
1-

PASREAB00 LIS									
							PASREAST1 LIS		
							PASREACH LIS		PASRESEK LIS
							PASREAREG LIS		
PASREAB LIS									PASRESET2 LIS
		PASREADLN LIS					PASREAREF LIS		
							PASREARED LIS		
		PASREACHA LIS	PASREADUT LIS	PASREANU LIS				PASREASUN LIS	
							PASREINT LIS		
							PASREASTR LIS		