

PPPPPPP	AAAAAA	SSSSSSSS	DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE
PPPPPPP	AAAAAA	SSSSSSSS	DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PP PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PP PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PP PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PPPPPPP	AA AA	SSSSSS	DD DD	EEEEEEEE	LL	EEEEEEEE	TT	EEEEEEEE
PPPPPPP	AA AA	SSSSSS	DD DD	EEEEEEEE	LL	EEEEEEEE	TT	EEEEEEEE
PP	AAAAAAAAAA	SS	DD DD	EE	LL	EE	TT	EE
PP	AAAAAAAAAA	SS	DD DD	EE	LL	EE	TT	EE
PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PP	AA AA	SS	DD DD	EE	LL	EE	TT	EE
PP	AA AA	SSSSSSSS	DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE
PP	AA AA	SSSSSSSS	DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE

.....
.....
.....
.....

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
LLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLL	IIIIII	SSSSSSSS



```

1 0001 0 MODULE PAS$DELETE ( %TITLE 'DELETE procedure'
2 0002 0 IDENT = '1-001' ! File: PASDELETE.B32 Edit: SBL1001
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
22 0022 1 *
23 0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: Pascal Language Support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains PAS$DELETE, which implements the
36 0036 1 VAX-11 Pascal DELETE procedure.
37 0037 1
38 0038 1 ENVIRONMENT: User mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Steven B. Lionel, CREATION DATE: 29-January-1982
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. SBL 29-January-1982
45 0045 1 --
46 0046 1

```

: R

```

: 48 0047 1 %SBTTL 'Declarations'
: 49 0048 1
: 50 0049 1 : PROLOGUE DEFINITIONS:
: 51 0050 1
: 52 0051 1
: 53 0052 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures
: 54 0116 1
: 55 0117 1
: 56 0118 1 : TABLE OF CONTENTS:
: 57 0119 1
: 58 0120 1
: 59 0121 1 FORWARD ROUTINE
: 60 0122 1   PASS$DELETE: NOVALUE;           ! Do a DELETE
: 61 0123 1
: 62 0124 1
: 63 0125 1 : MACROS:
: 64 0126 1
: 65 0127 1   NONE
: 66 0128 1
: 67 0129 1 : EQUATED SYMBOLS:
: 68 0130 1
: 69 0131 1   NONE
: 70 0132 1
: 71 0133 1 : FIELDS:
: 72 0134 1
: 73 0135 1   NONE
: 74 0136 1
: 75 0137 1 : OWN STORAGE:
: 76 0138 1
: 77 0139 1   NONE
```

```

70 0140 1 %SBTTL 'PASSDELETE - DELETE procedure'
81 0141 1 GLOBAL ROUTINE PASSDELETE (
82 0142 1     PFV: REF $PASSPFV_FILE_VARIABLE,           ! File variable
83 0143 1     ERROR                                     ! Unwind address if error
84 0144 1     ): NOVALUE =
85 0145 1
86 0146 1 !++
87 0147 1 ! FUNCTIONAL DESCRIPTION:
88 0148 1
89 0149 1     PASSDELETE implements the VAX-11 Pascal DELETE procedure. It
90 0150 1     deletes the current file component.
91 0151 1
92 0152 1 ! CALLING SEQUENCE:
93 0153 1
94 0154 1     CALL PASSDELETE (PFV.mr.r [, ERROR.j.r])
95 0155 1
96 0156 1 ! FORMAL PARAMETERS:
97 0157 1
98 0158 1     PFV           - The Pascal File Variable (PFV) passed by reference.
99 0159 1                   The structure of the PFV is defined in PASPFV.REQ.
100 0160 1
101 0161 1     ERROR        - Optional. If specified, the address to unwind to
102 0162 1                   if an error occurs.
103 0163 1
104 0164 1 ! IMPLICIT INPUTS:
105 0165 1
106 0166 1     NONE
107 0167 1
108 0168 1 ! IMPLICIT OUTPUTS:
109 0169 1
110 0170 1     NONE
111 0171 1
112 0172 1 ! ROUTINE VALUE:
113 0173 1
114 0174 1     NONE
115 0175 1
116 0176 1 ! SIDE EFFECTS:
117 0177 1
118 0178 1     NONE
119 0179 1
120 0180 1 ! SIGNALLED ERRORS:
121 0181 1
122 0182 1     FILNOTOPE - File not open
123 0183 1     FILNOTINS - File is not in Inspection mode
124 0184 1     DELNOTALL - DELETE is not allowed for a sequential organization file
125 0185 1     FILNOTDIR - file is not opened for direct access
126 0186 1     FILNOTKEY - file is not opened for keyed access
127 0187 1     CURCOMUND - current component is undefined
128 0188 1     ERRDURDEL - Error during DELETE
129 0189 1
130 0190 1 --
131 0191 1
132 0192 1
133 0193 2     BEGIN
134 0194 2
135 0195 2     LOCAL
136 0196 2     FCB: REF $PASSFCB_CONTROL_BLOCK,           ! File Control Block

```

```

136 0197 2          PFV_ADDR: VOLATILE,          ! Enable argument
137 0198 2          UNWIND_ACT: VOLATILE,       ! Enable argument
138 0199 2          ERROR_ADDR: VOLATILE;       ! Enable argument
139 0200 2
140 0201 2          BIND
141 0202 2          RAB = FCB: REF BLOCK [, BYTE], ! RMS RAB
142 0203 2          FAB = FCB: REF $PASS$FAB_FCB_STRUCT; ! RMS FAB
143 0204 2
144 0205 2          BUILTIN
145 0206 2          ACTUALCOUNT;
146 0207 2
147 0208 2          ENABLE
148 0209 2          PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);
149 0210 2
150 0211 2          IF ACTUALCOUNT () GEQU 2
151 0212 2          THEN
152 0213 2          ERROR_ADDR = .ERROR;          ! Set unwind address
153 0214 2
154 0215 2          !+
155 0216 2          ! Set PFV address enable argument.
156 0217 2          !-
157 0218 2
158 0219 2          PFV_ADDR = PFV [PFV$R_PFV];
159 0220 2
160 0221 2          !+
161 0222 2          ! Validate and lock PFV
162 0223 2          !-
163 0224 2
164 0225 2          PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
165 0226 2
166 0227 2          !+
167 0228 2          ! Set unwind action to unlock file.
168 0229 2          !-
169 0230 2
170 0231 2          UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
171 0232 2
172 0233 2          !+
173 0234 2          ! Open file if it should be implicitly opened.
174 0235 2          !-
175 0236 2
176 0237 2          IF NOT .PFV [PFV$V_VALID]
177 0238 2          THEN
178 0239 2          PASS$OPEN_IMPLICIT (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
179 0240 2
180 0241 2          !+
181 0242 2          ! Verify that the file is open.
182 0243 2          !-
183 0244 2
184 0245 2          IF NOT .PFV [PFV$V_OPEN]
185 0246 2          THEN
186 0247 2          $PASS$IO_ERROR (PASS_FILNOTOPE,0);
187 0248 2
188 0249 2          !+
189 0250 2          ! Verify that the file is in Inspection mode.
190 0251 2          !-
191 0252 2
192 0253 2          IF NOT .FCB [FCB$V_INSPECTION]

```

```

193 0254 2 THEN
194 0255 2     $PASSIO_ERROR (PASS_FILNOTINS,0);
195 0256 2
196 0257 2     !+
197 0258 2     ! Verify that the file is not sequential organization.
198 0259 2     !-
199 0260 2
200 0261 2 IF .FAB [FAB$B_ORG] EQL FAB$C_SEQ
201 0262 2 THEN
202 0263 2     $PASSIO_ERROR (PASS_DELNOTALL,0);
203 0264 2
204 0265 2     !+
205 0266 2     ! Verify that the file was opened either direct or keyed.
206 0267 2     !-
207 0268 2
208 0269 2 IF .FCB [FCB$V_SEQUENTIAL] ! Neither DIRECT nor KEYED
209 0270 2 THEN
210 0271 2     IF .FAB [FAB$B_ORG] EQL FAB$C_REL ! Relative?
211 0272 2     THEN
212 0273 2         $PASSIO_ERROR (PASS_FILNOTDIR,0)
213 0274 2     ELSE ! Must be INDEXED
214 0275 2         $PASSIO_ERROR (PASS_FILNOTKEY,0);
215 0276 2
216 0277 2     !+
217 0278 2     ! Do the $DELETE to delete the current component.
218 0279 2     !-
219 0280 2
220 0281 2 IF NOT $PASSRMS_OP ($DELETE (RAB=.RAB))
221 0282 2 THEN
222 0283 2     BEGIN
223 0284 2     !+
224 0285 2     ! $DELETE failed. Determine if the error was 'no current record'
225 0286 2     ! If so, give error 'current component is undefined', otherwise
226 0287 2     ! generic error
227 0288 2     !-
228 0289 2
229 0290 2     IF .RAB [RAB$L_STS] EQL RMSS$_CUR
230 0291 2     THEN
231 0292 2         $PASSIO_ERROR (PASS_CURCOMUND) ! Current component undefined
232 0293 2     ELSE
233 0294 2         $PASSIO_ERROR (PASS_ERRDURDEL); ! Error during DELETE
234 0295 2     END;
235 0296 2
236 0297 2     !+
237 0298 2     ! Undefine file buffer
238 0299 2     ! Cancel previous LOCATE
239 0300 2     ! Indicate successful operation
240 0301 2     ! Unlock the file
241 0302 2     !-
242 0303 2
243 0304 2 FCB [FCB$L_STATUS] = 0;
244 0305 2 FCB [FCB$V_LOCATE] = 0;
245 0306 2 PFV [PFV$V_DFB] = 0;
246 0307 2 PFV [PFV$V_LOCK] = 0;
247 0308 2
248 0309 2 RETURN;
249 0310 2

```

: 250

0311 1 END;

! End of routine PASSDELETE

```
.TITLE PASSDELETE DELETE procedure
.IDENT \1-001\

.EXTRN PASSDELETE, PASS$IO_HANDLER
.EXTRN PASS$VALIDATE PFV
.EXTRN PASS$OPEN IMPLICIT
.EXTRN PASS$SIGNAL, PASSK_FILNOTOPE
.EXTRN PASSK_FILNOTINS
.EXTRN PASSK_DELNOTALL
.EXTRN PASSK_FILNOTDIR
.EXTRN PASSK_FILNOTKEY
.EXTRN SYSSDELETE, PASSK_CURCOMUND
.EXTRN PASSK_ERRDURDEL
```

.PSECT _PASSCODE,NOWRT, SHR, PIC,2

			00CC 00000	.ENTRY PASSDELETE, Save R2,R3,R6,R7	
	53	00000000G	00 9E 00002	MOVAB PASS\$SIGNAL, R3	: 0141
	5E		08 C2 00009	SUBL2 #8, SP	
			7E D4 0000C	CLRL ERROR_ADDR	: 0193
		04	AE 7C 0000E	CLRQ UNWIND_ACT	
	6D	00AB	CF DE 00011	MOVAL 13\$, (FP)	
	02		6C 91 00016	CMPB (AP), #2	: 0211
			04 1F 00019	BLSSU 1\$	
	6E		AC D0 0001B	MOVL ERROR, ERROR_ADDR	: 0213
	56		AC D0 0001F 1\$:	MOVL PFV, R6	: 0219
08	AE		56 D0 00023	MOVL R6, PFV_ADDR	
		00000000G	00 16 00027	JSB PASS\$VALIDATE PFV	: 0225
04	AE		01 D0 0002D	MOVL #1, UNWIND_ACT	: 0231
	06		A6 E8 00031	BLBS 6(R6), 2\$: 0237
		00000000G	00 16 00035	JSB PASS\$OPEN IMPLICIT	: 0239
08	07	A6	05 E0 0003B 2\$:	BBS #5, 7(R6), 3\$: 0245
			7E D4 00040	CLRL -(SP)	: 0247
	7E	00G	8F 9A 00042	MOVZBL #PASSK_FILNOTOPE, -(SP)	
			32 11 00046	BRB 7\$	
08	FD	A7	03 E0 00048 3\$:	BBS #3, -3(FCB), 4\$: 0253
			7E D4 0004D	CLRL -(SP)	: 0255
	7E	00G	8F 9A 0004F	MOVZBL #PASSK_FILNOTINS, -(SP)	
			25 11 00053	BRB 7\$	
		61	A7 95 00055 4\$:	TSTB 97(FCB)	: 0261
			08 12 00058	BNEQ 5\$	
			7E D4 0005A	CLRL -(SP)	: 0263
	7E	00G	8F 9A 0005C	MOVZBL #PASSK_DELNOTALL, -(SP)	
			18 11 00060	BRB 7\$	
	18	FC	A7 E9 00062 5\$:	BLBC -4(FCB), 8\$: 0269
	10	61	A7 91 00066	CMPB 97(FCB), #16	: 0271
			08 12 0006A	BNEQ 6\$	
			7E D4 0006C	CLRL -(SP)	: 0273
	7E	00G	8F 9A 0006E	MOVZBL #PASSK_FILNOTDIR, -(SP)	
			06 11 00072	BRB 7\$	
			7E D4 00074 6\$:	CLRL -(SP)	: 0275
	7E	00G	8F 9A 00076	MOVZBL #PASSK_FILNOTKEY, -(SP)	
	63		02 FB 0007A 7\$:	CALLS #2, PASS\$SIGNAL	
			04 0007D	RET	

00000000G	00		57	DD	0007E	8\$:	PUSHL	FCB		0281
	28		01	FB	00080		CALLS	#1, SYSSDELETE		
0001825A	8F		50	E8	00087		BLBS	\$\$\$STATUS, 12\$		
			50	D1	0008A		CMPL	\$\$\$STATUS, #98906		
			04	12	00091		BNEQ	9\$		
	E7	FF	A7	E8	00093		BLBS	-1(FCB), 8\$		
	18		50	E8	00097	9\$:	BLBS	\$\$\$STATUS, 12\$		
000184B4	8F	08	A7	D1	0009A		CMPL	8(FCB), #99508		0290
			06	12	000A2		BNEQ	10\$		
	7E	00G	8F	9A	000A4		MOVZBL	#PASSK_CURCOMUND, -(SP)		0292
			04	11	000A8		BRB	11\$		
	7E	00G	8F	9A	000AA	10\$:	MOVZBL	#PASSK_ERRDURDEL, -(SP)		0294
	63		01	FB	000AE	11\$:	CALLS	#1, PASS\$SIGNAL		
				04	000B1		RET			
			D4	A7	D4	000B2	12\$:	CLRL	-44(FCB)	0304
FE	A7		01	8A	000B5		BICB2	#1, -2(FCB)		0305
06	A6	8002	8F	AA	000B9		BICW2	#32770, 6(R6)		0307
				04	000BF		RET			0311
				0000	000C0	13\$:	.WORD	Save nothing		0193
	50	08	AC	D0	000C2		MOVL	8(AP), R0		
	50	04	A0	D0	000C6		MOVL	4(R0), R0		
		F4	A0	9F	000CA		PUSHAB	ERROR_ADDR		
		FB	A0	9F	0C0CD		PUSHAB	UNWIND_ACT		
		FC	A0	9F	000D0		PUSHAB	PFV_ADDR		
			03	DD	000D3		PUSHL	#3		
			5E	DD	000D5		PUSHL	SP		
	7E	04	AC	7D	000D7		MOVQ	4(AP), -(SP)		
00000000G	00		03	FB	000DB		CALLS	#3, PASS\$IO_HANDLER		
				04	000E2		RET			

: Routine Size: 227 bytes, Routine Base: _PASSCODE + 0000

: 251 0312 1
: 252 0313 1 !<BLF/PAGE>

PASSDELETE
1-001

DELETE procedure
PASSDELETE - DELETE procedure

I 4
16-Sep-1984 01:30:24
14-Sep-1984 12:51:25

VAY-11 Bliss-32 V4.0-742
IPAS(TL.SRC)PASDELETE.B32;1

Page 8
(4)

PAS
1-C

: 254 0314 1 END
: 255 0315 1
: 256 0316 0 ELUDOM

! End of module PASSDELETE

PSECT SUMMARY

Name	Bytes	Attributes
_PASSCODE	227	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	10	0	581	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	98	22	33	00:00.4

COMMAND QUALIFIERS

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

: Size: 227 code + 0 data bytes
: Run Time: 00:07.2
: Elapsed Time: 00:21.4
: Lines/CPU Min: 2648
: Lexemes/CPU-Min: 17103
: Memory Used: 107 pages
: Compilation Complete

