

```

PPPPPPPPPPPP      AAAAAAAAAA      SSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
PPPPPPPPPPPPPP    AAAAAAAAAA      SSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTTTT      LLL
PPPPPPPPPPPPPP    AAAAAAAAAA      SSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTTTT      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  SSSSSSSSSSS      RRRRRRRRRRRR      TTT              LLL
PPPPPPPPPPPPPP    AAA          AAA  SSSSSSSSSSS      RRRRRRRRRRRR      TTT              LLL
PPPPPPPPPPPPPP    AAA          AAA  SSSSSSSSSSS      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  SSSSSSSSSSSSS      RRR              RRR      TTT              LLLLLLLLLLLLLLLLLL
PPP              AAA          AAA  SSSSSSSSSSSSS      RRR              RRR      TTT              LLLLLLLLLLLLLLLLLL
PPP              AAA          AAA  SSSSSSSSSSSSS      RRR              RRR      TTT              LLLLLLLLLLLLLLLLLL

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PPPPPPPP      AAAAAA      SSSSSSSS  WW      WW  RRRRRRRR  IIIIII  RRRRRRRR  FFFFFFFFFF  DDDDDDDD
PPPPPPPP      AAAAAA      SSSSSSSS  WW      WW  RRRRRRRR  IIIIII  RRRRRRRR  FFFFFFFFFF  DDDDDDDD
PP      PP  AA      AA  SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PP      PP  AA      AA  SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PP      PP  AA      AA  SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PP      PP  AA      AA  SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PPPPPPPP      AA      AA  SSSSSS  WW      WW  RRRRRRRR  IIIIII  RRRRRRRR  FFFFFFFFFF  DD      DD
PPPPPPPP      AA      AA  SSSSSS  WW      WW  RRRRRRRR  IIIIII  RRRRRRRR  FFFFFFFFFF  DD      DD
PP      AA      AA      SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PP      AA      AA      SS      WW      WW  RR      RR  II      RR      FF      DD      DD
PP      AA      AA      SS      WWW  WWW  RR      RR  II      RR      FF      DD      DD
PP      AA      AA      SS      WWW  WWW  RR      RR  II      RR      FF      DD      DD
PP      AA      AA  SSSSSSSS  WW      WW  RR      RR  IIIIII  RR      RR      FF      DDDDDDDD
PP      AA      AA  SSSSSSSS  WW      WW  RR      RR  IIIIII  RR      RR      FF      DDDDDDDD

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 PASSWRITE_REALF_D ( %TITLE 'Write a D_floating in F format'
2 0002 0 IDENT = '1-003' ! File: PASWRIRFD.B32 Edit: DG1003
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 writes a D_floating in
36 0036 1 fixed-point notation to a textfile.
37 0037 1
38 0038 1 ENVIRONMENT: User mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. SBL 1-April-1981
45 0045 1 1-002 - Make total-width a longword. SBL 30-June-1982
46 0046 1 1-003 - Allocate space for field width fraction specification. DG 19-Oct-1983
47 0047 1 --
48 0048 1
```

PASSWRITE_REALF Write a D floating in F format
1-003 Declarations

B 7
16-Sep-1984 02:23:54 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:52:06 [PASRTL.SRC]PASWRIRFD.B32;1

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```

50      0049 1 %SBTTL 'Declarations'
51      0050 1
52      0051 1 PROLOGUE DEFINITIONS:
53      0052 1
54      0053 1
55      0054 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures
56      0118 1
57      0119 1
58      0120 1 TABLE OF CONTENTS:
59      0121 1
60      0122 1
61      0123 1 FORWARD ROUTINE
62      0124 1 PASSWRITE_REALF_D: NOVALUE,         ! Write to textfile
63      0125 1 PASSWRITEV_REALF_D: NOVALUE;         ! Write to string
64      0126 1
65      0127 1
66      0128 1 MACROS:
67      0129 1
68      0130 1 NONE
69      0131 1
70      0132 1 EQUATED SYMBOLS:
71      0133 1
72      0134 1 NONE
73      0135 1
74      0136 1 FIELDS:
75      0137 1
76      0138 1 NONE
77      0139 1
78      0140 1 OWN STORAGE:
79      0141 1
80      0142 1 NONE
81      0143 1
```

PASSWRITE_REALF Write a D_floating in F format
1-003

C 7

16-Sep-1984 02:23:54
14-Sep-1984 12:52:06

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

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(3)

PA
1-

```

83      0144 1 %SBTTL 'PASSWRITE_REALF_D - Write D_floating in F format to textfile'
84      0145 1 GLOBAL ROUTINE PASSWRITE_REALF_D (
85      0146 1     PFV: REF $PASSPFV_FILE_VARIABLE,      ! File variable
86      0147 1     VALUE_0,VALUE_1,                      ! Value to write
87      0148 1     TOTAL_WIDTH: SIGNED,                  ! Total field width
88      0149 1     FRAC_DIGITS: SIGNED,                  ! Digits in fraction
89      0150 1     ERROR                                  ! Error unwind address
90      0151 1     ): NOVALUE =
91      0152 1
92      0153 1 ++
93      0154 1 FUNCTIONAL DESCRIPTION:
94      0155 1
95      0156 1     This procedure writes a D_floating value in fixed-point notation
96      0157 1     to the specified textfile.
97      0158 1
98      0159 1 CALLING SEQUENCE:
99      0160 1
100     0161 1     CALL PASSWRITE_REALF_D (PFV.mr.r, VALUE.rd.v , TOTAL_WIDTH.rl.v
101     0162 1     , FRAC_DIGITS.rl.v [, ERROR.jā.r])
102     0163 1
103     0164 1 FORMAL PARAMETERS:
104     0165 1
105     0166 1     PFV          - The Pascal File Variable (PFV) passed by reference.
106     0167 1     The structure of the PFV is defined in PASPFV.REQ.
107     0168 1
108     0169 1     VALUE       - The D_floating value to write, by immediate value.
109     0170 1     Note that this takes up two argument list positions.
110     0171 1
111     0172 1     TOTAL_WIDTH  - Total field width.
112     0173 1
113     0174 1     FRAC_DIGITS  - Number of digits in fraction.
114     0175 1
115     0176 1     ERROR       - Optional. Address to unwind to if an error occurs.
116     0177 1
117     0178 1 IMPLICIT INPUTS:
118     0179 1
119     0180 1     NONE
120     0181 1
121     0182 1 IMPLICIT OUTPUTS:
122     0183 1
123     0184 1     NONE
124     0185 1
125     0186 1 ROUTINE VALUE:
126     0187 1
127     0188 1     NONE
128     0189 1
129     0190 1 SIDE EFFECTS:
130     0191 1
131     0192 1     If the file is the standard file OUTPUT, it is implicitly opened.
132     0193 1
133     0194 1 SIGNALLED ERRORS:
134     0195 1
135     0196 1     LINTOOLON - Line too long
136     0197 1     NEGWIDDIG - negative Width or Digits specification is not allowed
137     0198 1
138     0199 1 --
139     0200 1
```

```

140      0201 2      BEGIN
141      0202 2
142      0203 2      BUILTIN
143      0204 2      ACTUALCOUNT;
144      0205 2
145      0206 2      LOCAL
146      0207 2      FCB: REF $PASSFCB_CONTROL_BLOCK,      ! File control block
147      0208 2      FIELD_WIDTH: SIGNED,                  ! Minimum/actual width
148      0209 2      REMAINING_WIDTH,                      ! Maximum width
149      0210 2      PFV_ADDR: VOLATILE,                    ! Enable argument
150      0211 2      UNWIND_ACT: VOLATILE,                  ! Enable argument
151      0212 2      ERROR_ADDR: VOLATILE;                  ! Enable argument
152      0213 2
153      0214 2      ENABLE
154      0215 2      PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);      ! Enable error handler
155      0216 2
156      0217 2      !+
157      0218 2      ! Get ERROR parameter, if present.
158      0219 2      !-
159      0220 2
160      0221 2      IF ACTUALCOUNT () GEQU 6
161      0222 2      THEN
162      0223 2      ERROR_ADDR = .ERROR;      ! Set unwind address
163      0224 2
164      0225 2      PFV_ADDR = PFV [PFV$R_PFV];      ! Set PFV address
165      0226 2
166      0227 2      !+
167      0228 2      ! Validate PFV and get PFV.
168      0229 2      !-
169      0230 2
170      0231 2      PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
171      0232 2
172      0233 2      !+
173      0234 2      ! Set unwind action to unlock file.
174      0235 2      !-
175      0236 2
176      0237 2      UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
177      0238 2
178      0239 2      !+
179      0240 2      ! Do common initialization.
180      0241 2      !-
181      0242 2
182      0243 2      PASS$INIT_WRITE (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
183      0244 2
184      0245 2      !+
185      0246 2      ! Get field width and remaining width. Check for invalid width or digits.
186      0247 2      !-
187      0248 2
188      0249 2      FIELD_WIDTH = .TOTAL_WIDTH;
189      0250 2      IF (.FIELD_WIDTH LSS 0) OR (.FRAC_DIGITS LSS 0)
190      0251 2      THEN
191      0252 2      $PASS$IO_ERROR (PASS$NEGWIDDIG, 0);
192      0253 2      REMAINING_WIDTH = .FCB [FCB$A_RECORD_END] - .FCB [FCB$A_RECORD_CUR];
193      0254 2
194      0255 2      !+
195      0256 2      ! Convert to text and put in record buffer. If an error occurs, signal it.
196      0257 2      !-

```


PASSWRITE_REALF Write a D_floating in F format
1-003

PASSWRITE_REALF_D - Write D_floating in F format

E 7
16-Sep-1984 02:23:54
14-Sep-1984 12:52:06

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

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```

197      0258 2
198      0259 2      IF NOT PASS$CVT_D_T (VALUE 0,
199      0260 2          .FCB [FCB$A_RECORD_CUR],
200      0261 2          FIELD_WIDTH,
201      0262 2          .REMAINING_WIDTH,
202      0263 2          .FRAC_DIGITS)
203      0264 2      THEN
204      0265 2          $PASS$IO_ERROR (PASS$_LINTOOLON,1,(.FIELD_WIDTH-.REMAINING_WIDTH));
205      0266 2
206      0267 2      !+
207      0268 2      ! Advance buffer pointer.
208      0269 2      !-
209      0270 2
210      0271 2      FCB [FCB$A_RECORD_CUR] = .FCB [FCB$A_RECORD_CUR] + .FIELD_WIDTH;
211      0272 2
212      0273 2      !+
213      0274 2      ! Call WRITE epilogue routine to move the last character written to the
214      0275 2      ! user's buffer and to unlock the file variable.
215      0276 2      !-
216      0277 2
217      0278 2      PASS$END_WRITE (PFV [PFV$R_PFV], FCB [FCB$R_FCB]);
218      0279 2
219      0280 2      RETURN;
220      0281 2
221      0282 1      END;
```

! End of routine PASSWRITE_REALF_D

.TITLE PASSWRITE_REALF_D Write a D_floating in F format

.IDENT \1-003\

.EXTRN PASSWRITE_REALF_D
.EXTRN PASSWRITED_REALF_D
.EXTRN PASS\$IO_HANDLER
.EXTRN PASS\$VACIDATE_PFV
.EXTRN PASS\$INIT_WRITE
.EXTRN PASS\$SIGNAL, PASS\$K_NEGWIDDIG
.EXTRN PASS\$CVT_D_T, PASS\$K_LINTOOLON
.EXTRN PASS\$END_WRITE

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

.ENTRY PASSWRITE_REALF_D, Save R2,R3,R4,R5,R6,R7,- ; 0145

			01FC 00000		
	58	00000000G	00	9E 00002	MOVAB PASS\$SIGNAL, R8
	5E		10	C2 00009	SUBL2 #15, SP
		04	AE	7C 0000C	CLRQ ERROR_ADDR
		0C	AE	D4 0000F	CLRL PFV_ADDR
	6D	006F	CF	DE 00012	MOVAL 5\$, (FP)
	06		6C	91 00017	CMPB (AP), #6
			05	1F 0001A	BLSSU 1\$
04	AE	18	AC	D0 0001C	MOVL ERROR, ERROR_ADDR
	56	04	AC	D0 00021	MOVL PFV, R6
0C	AE		56	D0 00025	MOVL R6, PFV_ADDR
		00000000G	00	16 00029	JSB PASS\$VACIDATE_PFV
08	AE		01	D0 0002F	MOVL #1, UNWIND_ACT
		00000000G	00	16 00033	JSB PASS\$INIT_WRITE

0201
0221
0223
0225
0231
0237
0243

PASSWRITE_REALF Write a D_floating in F format
1-003

PASSWRITE_REALF_D - Write D_floating in F forma

F 7
16-Sep-1984 02:23:54
14-Sep-1984 12:52:06

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

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6E	10	AC	D0	00039	MOVL	TOTAL_WIDTH, FIELD_WIDTH	0249
		05	19	0003D	BLSS	2\$	0250
	14	AC	D5	0003F	TSTL	FRAC_DIGITS	
		0A	18	00042	BGEQ	3\$	
		7E	D4	00044	CLRL	-(SP)	0252
7E	00G	8F	9A	00046	MOVZBL	#PASSK_NEGWIDDIG, -(SP)	
68		02	FB	0004A	CALLS	#2, PASS\$SIGNAL	
			04	0004D	RET		
52	F0	A7	EC	A7	C3	0004E	3\$:
			14	AC	DD	00054	
				52	DD	00057	
		08	AE	9F	00059		
		EC	A7	DD	0005C		
		08	AC	9F	0005F		
00000000G	00		05	FB	00062		
	0E		50	E8	00069		
7E	6E		52	C3	0006C		
			01	DD	00070		
	7E	00G	8F	9A	00072		
	68		03	FB	00076		
				04	00079		
	EC	A7	6E	C0	0007A	4\$:	
		00000000G	00	16	0007E		
				04	00084		
			0000	00085	5\$:		
	50	08	AC	D0	00087		
	50	04	A0	D0	0008B		
		F4	A0	9F	0008F		
		F8	A0	9F	00092		
		FC	A0	9F	00095		
			03	DD	00098		
			5E	DD	0009A		
	7E	04	AC	7D	0009C		
00000000G	00		03	FB	000A0		
			04	000A7			

MOVL	TOTAL_WIDTH, FIELD_WIDTH	0249
BLSS	2\$	0250
TSTL	FRAC_DIGITS	
BGEQ	3\$	
CLRL	-(SP)	0252
MOVZBL	#PASSK_NEGWIDDIG, -(SP)	
CALLS	#2, PASS\$SIGNAL	
RET		
SUBL3	-20(FCB), -16(FCB), REMAINING_WIDTH	0253
PUSHL	FRAC_DIGITS	0263
PUSHL	REMAINING_WIDTH	0262
PUSHAB	FIELD_WIDTH	0259
PUSHL	-20(FCB)	0260
PUSHAB	VALUE 0	0259
CALLS	#5, PASS\$CVT_D_T	
BLBS	R0, 4\$	
SUBL3	REMAINING_WIDTH, FIELD_WIDTH, -(SP)	0265
PUSHL	#1	
MOVZBL	#PASSK_LINTOOLON, -(SP)	
CALLS	#3, PASS\$SIGNAL	
RET		
ADDL2	FIELD_WIDTH, -20(FCB)	0271
JSB	PASS\$END_WRITE	0278
RET		0282
.WORD	Save nothing	0201
MOVL	8(AP), R0	
MOVL	4(R0), R0	
PUSHAB	ERROR_ADDR	
PUSHAB	UNWIND_ACT	
PUSHAB	PFV_ADDR	
PUSHL	#3	
PUSHL	SP	
MOVQ	4(AP), -(SP)	
CALLS	#3, PASS\$IO_HANDLER	
RET		

; Routine Size: 168 bytes, Routine Base: _PASS\$CODE + 0000

; 222 0283 1
; 223 0284 1 !<BLF/PAGE>


```
225 0285 1 %SBTTL 'PASSWRITEV_REALF_D - Write F floating in F format to string'
226 0286 1 GLOBAL ROUTINE PASSWRITEV_REALF_D (
227 0287 1     MAX_LENGTH: WORD,                                ! Maximum length of string
228 0288 1     STRING_LINE: REF VECTOR [, WORD],              ! String to write to
229 0289 1     VALUE0,VALUE1,                                  ! Value to write
230 0290 1     TOTAL_WIDTH: SIGNED,                             ! Total field width
231 0291 1     FRAC_DIGITS: SIGNED,                             ! Fraction digits
232 0292 1     ERROR                                           ! Error unwind address
233 0293 1 ) : NOVALUE =
234 0294 1
235 0295 1 ++
236 0296 1 FUNCTIONAL DESCRIPTION:
237 0297 1
238 0298 1     This procedure writes a D_floating in fixed-point format
239 0299 1     to the specified string.
240 0300 1
241 0301 1 CALLING SEQUENCE:
242 0302 1
243 0303 1     CALL PASSWRITEV_REALF_D (MAX_LENGTH.rw.v, STRING_LINE.wvt.r,
244 0304 1     VALUE.rd.v, TOTAL_WIDTH.rl.v, FRAC_DIGITS.rl.v [, ERROR.j.r])
245 0305 1
246 0306 1 FORMAL PARAMETERS:
247 0307 1
248 0308 1     MAX_LENGTH      - The maximum length of STRING_LINE.
249 0309 1
250 0310 1     STRING_LINE    - A varying string to which the output will be appended.
251 0311 1
252 0312 1     VALUE          - The value to write.
253 0313 1
254 0314 1     TOTAL_WIDTH    - The width of the field to write.
255 0315 1
256 0316 1     FRAC_DIGITS    - The number of digits in the fraction.
257 0317 1
258 0318 1     ERROR          - Optional. If specified, the address to unwind to
259 0319 1                   in case of an error.
260 0320 1
261 0321 1 IMPLICIT INPUTS:
262 0322 1
263 0323 1     NONE
264 0324 1
265 0325 1 IMPLICIT OUTPUTS:
266 0326 1
267 0327 1     NONE
268 0328 1
269 0329 1 ROUTINE VALUE:
270 0330 1
271 0331 1     NONE
272 0332 1
273 0333 1 SIDE EFFECTS:
274 0334 1
275 0335 1     NONE
276 0336 1
277 0337 1 SIGNALLED ERRORS:
278 0338 1
279 0339 1     See PASSWRITE_REALF_D
280 0340 1
281 0341 1 --
```

```

282 0342 1
283 0343 2 BEGIN
284 0344 2
285 0345 2 LOCAL
286 0346 2 PFV: $PASSPFV FILE VARIABLE, ! Pascal File Variable
287 0347 2 ARG_LIST: VECTOR [8, LONG], ! Argument list
288 0348 2 PFV_ADDR: VOLATILE, ! Enable argument
289 0349 2 UNWIND_ACT: VOLATILE, ! Enable argument
290 0350 2 ERROR_ADDR: VOLATILE; ! Enable argument
291 0351 2
292 0352 2 BUILTIN
293 0353 2 ACTUALCOUNT; ! Count of arguments
294 0354 2
295 0355 2 ENABLE
296 0356 2 PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR); ! Enable error handler
297 0357 2
298 0358 2 !+
299 0359 2 ! Get ERROR parameter, if present.
300 0360 2 !-
301 0361 2
302 0362 2 IF ACTUALCOUNT () GEQU 6
303 0363 2 THEN
304 0364 2 ERROR_ADDR = .ERROR; ! Set unwind address
305 0365 2
306 0366 2 PFV_ADDR = PFV [PFV$R_PFV]; ! Set PFV address
307 0367 2
308 0368 2 !+
309 0369 2 ! Set up ARG_LIST.
310 0370 2 !-
311 0371 2
312 0372 2 ARG_LIST [0] = 5; ! Five arguments
313 0373 2 ARG_LIST [1] = PFV [PFV$R_PFV]; ! PFV address
314 0374 2 ARG_LIST [2] = .VALUE0; ! Value to write
315 0375 2 ARG_LIST [3] = .VALUE1;
316 0376 2 ARG_LIST [4] = .TOTAL_WIDTH; ! Field width
317 0377 2 ARG_LIST [5] = .FRAC_DIGITS; ! Fraction digits
318 0378 2
319 0379 2 !+
320 0380 2 ! Call PASS$DO_WRITEV to do the work, giving it the address of
321 0381 2 ! PASSWRITE_REALF_D to call.
322 0382 2 !-
323 0383 2
324 0384 2 PASS$DO_WRITEV (PFV [PFV$R_PFV], .MAX_LENGTH, STRING_LINE [0], ARG_LIST,
325 0385 2 PASSWRITE_REALF_D);
326 0386 2
327 0387 2 RETURN;
328 0388 2
329 0389 1 END; ! End of routine PASSWRITEV_REALF_D

```

.EXTRN PASS\$DO_WRITEV

SE 007C 00000
 30 C2 00002
 7E D4 00005
 04 AE 7C 00007

.ENTRY PASSWRITEV_REALF_D, Save R2,R3,R4,R5,R6
 SUBL2 #48, SP
 CLRL ERROR_ADDR
 CLRQ UNWIND_ACT

; 0286
 ;
 ; 0343
 ;

	6D	003E	CF	DE	0000A	MOVAL	2\$, (FP)		
	06		6C	91	0000F	CMPB	(AP), #6	:	0362
			04	1F	00012	BLSSU	1\$	:	
	6E	1C	AC	D0	00014	MOVL	ERROR, ERROR_ADDR	:	0364
08	AE	24	AE	9E	00018	MOVAB	PFV, PFV_ADDR	:	0366
0C	AE		05	D0	0001D	MOVL	#5, ARG_LIST	:	0372
10	AE	24	AE	9E	00021	MOVAB	PFV, ARG_LIST+4	:	0373
14	AE	0C	AC	7D	00026	MOVQ	VALUE0, ARG_LIST+8	:	0374
1C	AE	14	AC	7D	0002B	MOVQ	TOTAL_WIDTH, ARG_LIST+16	:	0376
	55	FF24	CF	9E	00030	MOVAB	PASSWRITE_REALF_D, R5	:	0384
	54	0C	AE	9E	00035	MOVAB	ARG_LIST, R4	:	
	56	24	AE	9E	00039	MOVAB	PFV, R6	:	
	53	08	AC	D0	0003D	MOVL	STRING_LINE, R3	:	
	52	04	AC	3C	00041	MOVZWL	MAX_LENGTH, R2	:	
		00000000G	00	16	00045	JSB	PASS\$DO_WRITEV	:	
				04	0004B	RET		:	0389
				0000	0004C	.WORD	Save nothing	:	0343
	50	08	AC	D0	0004E	MOVL	8(AP), R0	:	
	50	04	A0	D0	00052	MOVL	4(R0), R0	:	
		CC	A0	9F	00056	PUSHAB	ERROR_ADDR	:	
		D0	A0	9F	00059	PUSHAB	UNWIND_ACT	:	
		D4	A0	9F	0005C	PUSHAB	PFV_ADDR	:	
			03	DD	0005F	PUSHL	#3	:	
			5E	DD	00061	PUSHL	SP	:	
	7E	04	AC	7D	00063	MOVQ	4(AP), -(SP)	:	
00000000G	00		03	FB	00067	CALLS	#3, PASS\$IO_HANDLER	:	
			04	0006E	RET			:	

; Routine Size: 111 bytes, Routine Base: _PASSCODE + 00A8

: 330 0390 1
 : 331 0391 1 !<BLF/PAGE>

```

: 333      0392 1 END
: 334      0393 1
: 335      0394 0 ELUDOM

```

```
! End of module PASSWRITE_REALF_D
```

PSECT SUMMARY

Name	Bytes	Attributes
_PASSCODE	279	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	97	22	33	00:00.4

COMMAND QUALIFIERS

```
BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:PASWRIRFD/OBJ=OBJ$:PASWRIRFD MSRC$:  
WRIRFD/UPDATE=(ENH$ PASWRIRFD
```

```
: Size:          279 code + 0 data bytes
: Run Time:      00:07.4
: Elapsed Time:  00:16.2
: Lines/CPU Min: 3194
: Lexemes/CPU-Min: 12956
: Memory Used:   82 pages
: Compilation Complete
```


0298 AH-BT13A-SE
VAX/VMS V4.0

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PASWIREH
LIS

PASWIREL
LIS

PASWIREG
LIS

PASWISTR
LIS

PATCH

PATDEF
MDL

PASWIREF
LIS

PATCH
MAP

SRMDEF
MDL

PASWIRFH
LIS

PASWIRAR
LIS

PASWIREL
LIS

PASWIRLS
LIS

PASWIRINT
LIS

PASWIRIOCT
LIS

PASWIRFG
LIS

BSTRUC
REQ

PASWIRFF
LIS

CHRKEY
REQ

PASWIRFD
LIS