

Sym

PAS

PPPPPPPPPPPPPP
PPPPPPPPPPPPPP
PPPPPPPPPPPPPP
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
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPPPPPPPPPPPPP
PPPPPPPPPPPPPP
PPPPPPPPPPPPPP
AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPP AAA AAA SSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL

FILEID**PASWRIBIN

E 11

PPPPPPPP PBBBBBBB
PPPPPPPP AAAAAAA SSSSSSSS WW
PP PP AA AA SS WW WW RRRRRRRR
PP PP AA AA SS WW WW RR RR RR
PP PP AA AA SS WW WW RR RR RR
PP PP AA AA SSSSSS WW WW RRRRRRRR
PP PP AA AA SSSSSS WW WW RRRRRRRR
PP AAAAAAAAAA SS WW WW RR RR
PP AAAAAAAAAA SS WW WW RR RR
PP AA AA SS WWW WWW RR RR
PP AA AA SSSSSSSS WW WW RR RR
PP AA AA SSSSSSSS WW WW RR RR
LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS
LL II SS SS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

PAS'

```
1 0001 0 MODULE PASSWRITE_BIN ( #TITLE 'Write value in base 2'  
2 0002 0 IDENT = '1-002'  
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 procedures which write a value in  
36 0036 1 base 2 to a textfile or string.  
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 29-June-1982  
46 0046 1 --  
47 0047 1
```

```
; 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 PASSWRITE BIN: NOVALUE,  
; 62      0124 1 PASSWRITEV_BIN: NOVALUÉ;          ! Write to textfile  
; 63      0125 1 ! Write to string  
; 64      0126 1 !  
; 65      0127 1 ! MACROS:  
; 66      0128 1 !  
; 67      0129 1 ! NONE  
; 68      0130 1 !  
; 69      0131 1 ! EQUATED SYMBOLS:  
; 70      0132 1 !  
; 71      0133 1 ! NONE  
; 72      0134 1 !  
; 73      0135 1 ! FIELDS:  
; 74      0136 1 !  
; 75      0137 1 ! NONE  
; 76      0138 1 !  
; 77      0139 1 ! OWN STORAGE:  
; 78      0140 1 !  
; 79      0141 1 ! NONE  
; 80      0142 1 !  
; 81      0143 1 !  
; 82      0144 1 !! If this is for a V2 system, redefine OT$CVT_L_TB as PASS$CVT_L_TB.  
; 83      L 0145 1 %IF %VARIANT  
; 84      U 0146 1 %THEN  
; 85      U 0147 1 UNDECLARE  
; 86      U 0148 1 OT$CVT_L_TB;  
; 87      U 0149 1 EXTERNAL ROUTINE  
; 88      U 0150 1 PASS$CVT_L_TB;  
; 89      U 0151 1 BIND ROUTINE  
; 90      U 0152 1 OT$CVT_L_TB = PASS$CVT_L_TB;  
; 91      0153 1 %FI
```

```

93 0154 1 XSBTTL 'PASSWRITE_BIN - Write a value in binary'
94 0155 1 GLOBAL ROUTINE PASSWRITE_BIN (
95 0156 1     PFV: REF $PASS$PFV_FILE_VARIABLE,
96 0157 1     NBITS,
97 0158 1     VALUE,
98 0159 1     TOTAL_WIDTH: SIGNED,
99 0160 1     ERROR,
100 0161 1     MIN_DIGITS: SIGNED
101 0162 1   ): NOVALUE =
102 0163 1
103 0164 1   ++
104 0165 1   FUNCTIONAL DESCRIPTION:
105 0166 1
106 0167 1   This procedure writes a base 2 representation of a value to the
107 0168 1   specified textfile.
108 0169 1
109 0170 1   CALLING SEQUENCE:
110 0171 1
111 0172 1   CALL PASSWRITE_BIN (PFV.mr.r, NBITS.rl.v, VALUE.rz.r, TOTAL_WIDTH.rl.v
112 0173 1   [, ERROR.j.r] [, MIN_DIGITS.rl.v ])
113 0174 1
114 0175 1   FORMAL PARAMETERS:
115 0176 1
116 0177 1   PFV      - The Pascal File Variable (PFV) passed by reference.
117 0178 1           The structure of the PFV is defined in PASPFV.REQ.
118 0179 1
119 0180 1   NBITS    - The size of VALUE in bits.
120 0181 1
121 0182 1   VALUE     - The address of the value to write.
122 0183 1
123 0184 1   TOTAL_WIDTH - Total field width.
124 0185 1
125 0186 1   ERROR     - Optional. Address to unwind to if an error occurs.
126 0187 1
127 0188 1   MIN_DIGITS - Optional. The minimum number of digits to appear
128 0189 1           in the result. Defaults to the minimum number of
129 0190 1           digits to represent every bit of the value.
130 0191 1
131 0192 1   IMPLICIT INPUTS:
132 0193 1
133 0194 1   NONE
134 0195 1
135 0196 1   IMPLICIT OUTPUTS:
136 0197 1
137 0198 1   NONE
138 0199 1
139 0200 1   ROUTINE VALUE:
140 0201 1
141 0202 1   NONE
142 0203 1
143 0204 1   SIDE EFFECTS:
144 0205 1
145 0206 1   If the file is the standard file INPUT or OUTPUT, it is implicitly opened.
146 0207 1
147 0208 1   SIGNALLED ERRORS:
148 0209 1
149 0210 1   NEGWIDDIG - negative field width or digits specification is not allowed

```

```
: 150 0211 1 | LINTOOLON - Line too long
: 151 0212 1 |
: 152 0213 1 | --
: 153 0214 1 |
: 154 0215 2 BEGIN
: 155 0216 2 |
: 156 0217 2 LOCAL
: 157 0218 2   FCB: REF $PAS$FCB_CONTROL_BLOCK,
: 158 0219 2   ACTUAL_DIGITS,
: 159 0220 2   ACTUAL_NBITS,
: 160 0221 2   DESCRIPTOR: BLOCK [8, BYTE],
: 161 0222 2   PFV_ADDR: VOLATILE,
: 162 0223 2   UNWIND_ACT: VOLATILE,
: 163 0224 2   ERROR_ADDR: VOLATILE;
: 164 0225 2 |
: 165 0226 2 LITERAL
: 166 0227 2   M_SIZE_IN_BITS = %X'04';
: 167 0228 2 |
: 168 0229 2 BUILTIN
: 169 0230 2   ACTUALCOUNT;
: 170 0231 2 |
: 171 0232 2 ENABLE
: 172 0233 2   PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR); ! Enable error handler
: 173 0234 2 |
: 174 0235 2 |+
: 175 0236 2 | Get ERROR parameter, if present.
: 176 0237 2 |-|
: 177 0238 2 |
: 178 0239 2 IF ACTUALCOUNT () GEQU 5
: 179 0240 2 THEN
: 180 0241 2   ERROR_ADDR = .ERROR; ! Set unwind address
: 181 0242 2 |
: 182 0243 2   PFV_ADDR = PFV [PFV$R_PFV]; ! Set PFV address
: 183 0244 2 |
: 184 0245 2 |+
: 185 0246 2 | Validate PFV and get PFV.
: 186 0247 2 |-|
: 187 0248 2 |
: 188 0249 2   PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
: 189 0250 2 |
: 190 0251 2 |+
: 191 0252 2 | Set unwind action to unlock file.
: 192 0253 2 |-|
: 193 0254 2 |
: 194 0255 2   UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
: 195 0256 2 |
: 196 0257 2 |+
: 197 0258 2 | Do common initialization.
: 198 0259 2 |-|
: 199 0260 2 |
: 200 0261 2   PASS$INIT_WRITE (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
: 201 0262 2 |
: 202 0263 2 |+
: 203 0264 2 | Set initial values for conversion.
: 204 0265 2 |-|
: 205 0266 2 |
: 206 0267 2   ACTUAL_NBITS = .NBITS;
```

```
: 207      0268 2      ACTUAL_DIGITS = .ACTUAL_NBITS;
208      0269 2
209      0270 2      !+
210      0271 2      ! Create result string descriptor with actual width.
211      0272 2      !-
212      0273 2
213      0274 2      DESCRIPTOR [DSC$B_CLASS] = DSC$K_CLASS_S;
214      0275 2      DESCRIPTOR [DSC$B_DTYPE] = DSC$K_DTYPE_T;
215      0276 2      DESCRIPTOR [DSC$A_POINTER] = .FCB [FCBSA_RECORD_CUR];
216      0277 2      IF ACTUALCOUNT () GEQU 6
217      0278 2      THEN
218      0279 3      BEGIN
219      0280 3      ACTUAL_DIGITS = .MIN_DIGITS;
220      0281 3      IF .ACTUAL_DIGITS LSS 0
221      0282 3      THEN
222      0283 3      $PAS$IO_ERROR (PASS_NEGWIDDIG,0);
223      0284 2      END;
224      0285 2      IF .TOTAL_WIDTH LSS 0
225      0286 2      THEN
226      0287 2      $PAS$IO_ERROR (PASS_NEGWIDDIG,0);
227      0288 2      DESCRIPTOR [DSC$W_LENGTH] = .TOTAL_WIDTH;
228      0289 2
229      0290 2      !+
230      0291 2      ! Will TOTAL_WIDTH truncate the value?
231      0292 2      !+
232      0293 2      IF .TOTAL_WIDTH LSSU .ACTUAL_NBITS
233      0294 2      THEN
234      0295 3      BEGIN
235      0296 3      !+
236      0297 3      ! Change value size and bit offset to cause a truncated result.
237      0298 3
238      0299 3      ACTUAL_NBITS = .TOTAL_WIDTH;
239      0300 2      END;
240      0301 2
241      0302 2      IF .ACTUAL_DIGITS GTR .TOTAL_WIDTH
242      0303 2      THEN
243      0304 2      ACTUAL_DIGITS = .TOTAL_WIDTH;
244      0305 2
245      0306 2      !+
246      0307 2      ! See if field will fit in record.
247      0308 2      !-
248      0309 2
249      0310 3      BEGIN
250      0311 3      LOCAL
251      0312 3      EXTRA:           ! Extra characters past end of line
252      0313 3      EXTRA = (.FCB [FCBSA_RECORD_CUR] + .TOTAL_WIDTH) - .FCB [FCBSA_RECORD_END];
253      0314 3      IF .EXTRA GTR 0
254      0315 3      THEN
255      0316 3      $PAS$IO_ERROR (PASS_LINTOOLON,1,.EXTRA);
256      0317 2      END;
257      0318 2
258      0319 2      !+
259      0320 2      ! Do the conversion. It can't fail.
260      0321 2      !-
261      0322 2
262      0323 2      OT$CVT_L_TB (.VALUE, DESCRIPTOR, .ACTUAL_DIGITS, .ACTUAL_NBITS,
263      0324 2          M_SIZE_IN_BITS);
```

PASSWRITE_BIN
1-002

PASSWRITE_BIN - Write a value in binary

K 11

16-Sep-1984 02:14:25
14-Sep-1984 12:52:01

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

Page 6
(3)

PAS
1-0

! End of routine PASSWRITE_BIN

```
.TITLE PASSWRITE_BIN Write value in base 2  
.IDENT \1-002\
```

.EXTRN PASS\$WRITE BIN, PASS\$WRITEV_BIN
.EXTRN PASS\$IO HÄNDLÉR
.EXTRN PASS\$VALIDATE PFV
.EXTRN PASS\$INIT WRITE
.EXTRN PASS\$SIGNAL, PASSK_NEGWIDDIG
.EXTRN PASSK_LINTOOLON
.EXTRN OTSSCÖT L TB, PASS\$SEND WRITE

.PSECT _PASSCODE,NOWRT, SHR, PIC,2

			01FC	00000	.ENTRY	PASSWRITE BIN, Save R2,R3,R4,R5,R6,R7,R8	: 0155
58	0000000G	00	9E	00002	MOVAB	PASS\$SIGNAL, R8	
5E		10	C2	00009	SUBL2	#16, SP	: 0215
		7E	D4	0000C	CLRL	ERROR_ADDR	
		04	AE	7C 0000E	CLRQ	UNWIND_ACT	
6D	009A	CF	DE	00011	MOVAL	8\$, (FP)	
05		6C	91	00016	CMPB	(AP), #5	: 0239
		04	1F	00019	BLSSU	1\$	
6E	14	AC	DO	0001B	MOVL	ERROR, ERROR_ADDR	: 0241
56	04	AC	DO	0001F	MOVL	PFV, R6	: 0243
08	AE	56	DO	00023	MOVL	R6, PFV_ADDR	
04	AE	0000000G	00	16 00027	JSB	PASS\$VA[1]DATE PFV	: 0249
		01	DO	0002D	MOVL	#1, UNWIND_ACT	: 0255
04	AE	0000000G	00	16 00031	JSB	PASS\$INIT_WRITE	: 0261
		54	08	AC DO 00037	MOVL	NBITS, ACTUAL_NBITS	: 0267
		53	54	DO 0003B	MOVL	ACTUAL_NBITS - ACTUAL_DIGITS	: 0268
0E	010E	8F	B0	0003E	MOVW	#270, DESCRIPTOR+2	: 0275
10	AE	EC	A7	DO 00044	MOVL	-20(FCB), DESCRIPTOR+4	: 0276
		06	6C	91 00049	CMPB	(AP), #6	: 0277
		06	1F	0004C	BLSSU	2\$	
53	18	AC	DO	0004E	MOVL	MIN_DIGITS, ACTUAL_DIGITS	: 0280
		06	19	00052	BLSS	3\$: 0281
52	10	AC	DO	00054	2\$: MOVL	TOTAL_WIDTH, R2	: 0285
		0A	18	00058	BGEQ	4\$	
		7E	D4	0005A	3\$: CLRL	-(SP)	: 0287
7E	006	8F	9A	0005C	MOVZBL	#PASSK NEGWIDDIG, -(SP)	
68		02	FB	00060	CALLS	#2, PASS\$SIGNAL	
				04 00063	RET		
0C	AE	52	B0	00064	4\$: MOVW	R2, DESCRIPTOR	: 0288

; Routine Size: 210 bytes, Routine Base: _PASS\$CODE + 0000

: 277 0338 1
: 278 0339 1 !<BLF/PAGE>

```
: 280 0340 1 %SBTTL 'PASSWRITEV_BIN - Write value in base 2 to string'
: 281 0341 1 GLOBAL ROUTINE PASSWRITEV_BIN (
: 282 0342 1     MAX_LENGTH: WORD,
: 283 0343 1     STRING_LINE: REF VECTOR [, WORD],
: 284 0344 1     NBITS,
: 285 0345 1     VALUE: REF VECTOR [, BYTE],
: 286 0346 1     TOTAL_WIDTH: SIGNED,
: 287 0347 1     ERROR,
: 288 0348 1     MIN_DIGITS: SIGNED
: 289 0349 1 ) : NOVALUE =
: 290 0350 1 ++
: 291 0351 1     FUNCTIONAL DESCRIPTION:
: 292 0352 1     This procedure writes a value in base 2 to the specified string.
: 293 0353 1     CALLING SEQUENCE:
: 294 0354 1     CALL PASSWRITEV_BIN (MAX_LENGTH.rw.v, STRING_LINE.wvt.r,
: 295 0355 1             NBITS.rl.v, VALUE.rz.v, TOTAL_WIDTH.rl.v
: 296 0356 1             [, [ERROR.j.r] [, MIN_DIGITS.fl.v]])
: 297 0357 1     FORMAL PARAMETERS:
: 298 0358 1     MAX_LENGTH      - The maximum length of STRING_LINE.
: 299 0359 1     STRING_LINE      - A varying string to which the output will be appended.
: 300 0360 1     NBITS           - Size of VALUE in bits.
: 301 0361 1     VALUE            - The value to write.
: 302 0362 1     TOTAL_WIDTH      - The width of the field to write.
: 303 0363 1     ERROR            - Optional. If specified, the address to unwind to
: 304 0364 1             in case of an error.
: 305 0365 1     MIN_DIGITS       - Minimum number of digits to write. Defaults to
: 306 0366 1             the minimum necessary to represent every bit of
: 307 0367 1             the value.
: 308 0368 1
: 309 0369 1
: 310 0370 1
: 311 0371 1
: 312 0372 1
: 313 0373 1
: 314 0374 1
: 315 0375 1
: 316 0376 1
: 317 0377 1
: 318 0378 1
: 319 0379 1
: 320 0380 1
: 321 0381 1     IMPLICIT INPUTS:
: 322 0382 1         NONE
: 323 0383 1
: 324 0384 1
: 325 0385 1     IMPLICIT OUTPUTS:
: 326 0386 1         NONE
: 327 0387 1
: 328 0388 1
: 329 0389 1
: 330 0390 1
: 331 0391 1
: 332 0392 1
: 333 0393 1
: 334 0394 1
: 335 0395 1
: 336 0396 1     ROUTINE VALUE:
:                 NONE
: 333 0393 1     SIDE EFFECTS:
:                 NONE
```

```
: 337      0397 1  SIGNALLED ERRORS:  
: 338      0398 1  See PASSWRITE_BIN  
: 339      0399 1  
: 340      0400 1  --  
: 341      0401 1  
: 342      0402 1  
: 343      0403 2  BEGIN  
: 344      0404 2  
: 345      0405 2  LOCAL  
: 346      0406 2    PFV: $PAS$PFV FILE VARIABLE.          | Pascal File Variable  
: 347      0407 2    ARG_LIST: VECTOR [7, LONG].        | Argument list  
: 348      0408 2    PFV_ADDR: VOLATILE.            | Enable argument  
: 349      0409 2    UNWIND_ACT: VOLATILE.          | Enable argument  
: 350      0410 2    ERROR_ADDR: VOLATILE.          | Enable argument  
: 351      0411 2  
: 352      0412 2  BUILTIN  
: 353      0413 2    ACTUALCOUNT;                  ! Count of arguments  
: 354      0414 2  
: 355      0415 2  ENABLE  
: 356      0416 2    PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR); ! Enable error handler  
: 357      0417 2  
: 358      0418 2  !+  
: 359      0419 2    Get ERROR parameter, if present.  
: 360      0420 2  !-  
: 361      0421 2  
: 362      0422 2  IF ACTUALCOUNT () GEQU 6  
: 363      0423 2  THEN  
: 364      0424 2    ERROR_ADDR = .ERROR;           ! Set unwind address  
: 365      0425 2  
: 366      0426 2    PFV_ADDR = PFV [PFV$R_PFV];       ! Set PFV address  
: 367      0427 2  
: 368      0428 2  !+  
: 369      0429 2    Set up ARG_LIST.  
: 370      0430 2  !-  
: 371      0431 2  
: 372      0432 2    ARG_LIST [0] = 4;                | Four arguments  
: 373      0433 2    ARG_LIST [1] = PFV [PFV$R_PFV];       | PFV address  
: 374      0434 2    ARG_LIST [2] = .NBITS;           | Number of bits  
: 375      0435 2    ARG_LIST [3] = VALUE [0];         | Value to write  
: 376      0436 2    ARG_LIST [4] = .TOTAL_WIDTH;       | Field width  
: 377      0437 2  IF ACTUALCOUNT () GEQU 7  
: 378      0438 2  THEN  
: 379      0439 3    BEGIN  
: 380      0440 3    ARG_LIST [0] = 6;                | Add two more arguments  
: 381      0441 3    ARG_LIST [5] = 0;                | Error address  
: 382      0442 3    ARG_LIST [6] = .MIN_DIGITS;        | Minimum digits  
: 383      0443 2    END;  
: 384      0444 2  
: 385      0445 2  !+  
: 386      0446 2    Call PASS$DO_WRITEV to do the work, giving it the address of  
: 387      0447 2    PASSWRITE_BIN to call.  
: 388      0448 2  
: 389      0449 2  
: 390      0450 2    PASS$DO_WRITEV (PFV [PFV$R_PFV], .MAX_LENGTH, STRING_LINE [0], ARG_LIST,  
: 391      0451 2    PASSWRITE_BIN);  
: 392      0452 2  
: 393      0453 2    RETURN;
```

: 394 0454 2
: 395 0455 1 END:

! End of routine PASSWRITEV_BIN

					.EXTRN	PASS\$DO_WRITEV
5E		007C 00000			.ENTRY	PASSWRITEV_BIN, Save R2,R3,R4,R5,R6
		34 C2 00002			SUBL2	#52, SP
		7E D4 00005			CLRL	ERROR ADDR
6D	04	AE 7C 00007			CLRQ	UNWIND ACT
06	004F	CF DE 0000A			MOVAL	3\$, (FP)
		6C 91 0000F			CMPB	(AP), #6
		04 1F 00012			BLSSU	1\$
08	6E	18 AC 00014			MOVL	ERROR, ERROR ADDR
	AE	28 AE 00018	1\$:		MOVAB	PFV, PFV ADDR
OC	AE	04 D0 0001D			MOVL	#4, ARG_LIST
10	AE	28 AE 00021			MOVAB	PFV, ARG_LIST+4
14	AE	0C AC 00026			MOVQ	NBITS, ARG_LIST+8
1C	AE	14 AC 00028			MOVL	TOTAL_WIDTH, ARG_LIST+16
	07	6C 91 00030			CMPB	(AP), #7
		0C 1F 00033			BLSSU	2\$
OC	AE	06 D0 00035			MOVL	#6, ARG_LIST
		20 AE 00039			CLRL	ARG_LIST+20
24	AE	1C AC 0003C			MOVL	MIN_DIGITS, ARG_LIST+24
	55	FEE9 CF 9E 00041	2\$:		MOVAB	PASS\$WRITE_BIN, R5
	54	0C AE 9E 00046			MOVAB	ARG_LIST, R4
	56	28 AE 9E 0004A			MOVAB	PFV, R6
	53	08 AC 0004E			MOVL	STRING LINE, R3
	52	04 AC 3C 00052			MOVZWL	MAX_LENGTH, R2
		00000000G 00 16 00056			JSB	PASS\$DO_WRITEV
			04 0005C		RET	
				3\$::	.WORD	Save nothing
50	08	0000 0005D			MOVL	8(AP), R0
50	04	AC D0 0005F			MOVL	4(R0), R0
	C8	A0 D0 00063			PUSHAB	ERROR ADDR
	CC	A0 9F 00067			PUSHAB	UNWIND ACT
	DD	A0 9F 0006A			PUSHAB	PFV_ADDR
		03 DD 0006D			PUSHL	#3
		03 DD 00070			PUSHL	SP
		5E DD 00072			MOVQ	4(AP), -(SP)
00000000G	7E	04 AC 7D 00074			CALLS	#3, PASS\$IO_HANDLER
	00	03 FB 00078			RET	
		04 0007E				

; Routine Size: 128 bytes, Routine Base: _PASSCODE + 00D2

: 396 0456 1
: 397 0457 1 !<BLF/PAGE>

C 12
 16-Sep-1984 02:14:25 VAX-11 Bliss-32 V4.0-742
 1-002 PASS\$WRITE_BIN - Write value in base 2 14-Sep-1984 12:52:01 [PASRTL.SRC]PASWRIBIN.B32;1 Page 11 (5)
 : 399 0458 1 END
 : 400 0459 1
 : 401 0460 0 ELUDOM . End of module PASS\$WRITE_BIN

PSECT SUMMARY

Name	Bytes	Attributes
_PASS\$CODE	338	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	6	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=LISS:PASWRIBIN/OBJ=OBJ\$:\$PASWRIBIN MSRC\$:\$PASWRIBIN/UPDATE-(FNH\$:\$PASWRIBIN)

Size: 338 code + 0 data bytes
 Run Time: 00:08.9
 Elapsed Time: 00:29.3
 Lines/CPU Min: 3094
 Lexemes/CPU-Min: 14825
 Memory Used: 101 pages
 Compilation Complete

0297 AH-BT13A-SE
VAX/VMS V4.0

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