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1 0001 0 MODULE PASSREAD_ENUMERATED ( %TITLE 'Read an enumerated value'
2 0002 0 IDENT = '1-002' ! File: PASREAENU.B32 Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 !*****
7 0007 1 !
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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 read an enumerated value
36 0036 1 from a textfile or a 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 - Use PASS$END_READ. SBL 26-May-1982
46 0046 1 --
47 0047 1

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: 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     PASSREAD_ENUMERATED,           ! Read from textfile
: 62      0124 1     PASSREADV_ENUMERATED;         ! Read from string
: 63      0125 1
: 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

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82 0143 1 %SBT'L 'PASSREAD_ENUMERATED - Read an enumerated value from textfile'
83 0144 1 GLOBAL ROUTINE PASSREAD_ENUMERATED (
84 0145 1     PFV: REF $PASSPFV_FILE_VARIABLE,           ! File variable
85 0146 1     PETD: REF VECTOR [, LONG],             ! Enumerated type descriptor
86 0147 1     ERROR                                  ! Error unwind address
87 0148 1 ) =
88 0149 1
89 0150 1 ++
90 0151 1 FUNCTIONAL DESCRIPTION:
91 0152 1
92 0153 1     This function reads an enumerated value from the specified textfile
93 0154 1     and returns it as the function value.
94 0155 1
95 0156 1 CALLING SEQUENCE:
96 0157 1
97 0158 1     Enumerated.wlu.v = PASSREAD_ENUMERATED (PFV.mr.r , PETD.r.r [, ERROR.ja.r])
98 0159 1
99 0160 1 FORMAL PARAMETERS:
100 0161 1
101 0162 1     PFV           - The Pascal File Variable (PFV) passed by reference.
102 0163 1                 The structure of the PFV is defined in PASPFV.REQ.
103 0164 1
104 0165 1     PETD          - Pascal Enumerated Type Descriptor, passed by reference.
105 0166 1                 The structure of a PETD is as follows:
106 0167 1
107 0168 1                 +-----+
108 0169 1                 | offset of ASCII type name | <-- PETD
109 0170 1                 +-----+
110 0171 1                 | count of possible values (n) |
111 0172 1                 +-----+
112 0173 1                 | offset of ASCII value name 0 |
113 0174 1                 +-----+
114 0175 1                 | offset of ASCII value name 1 |
115 0176 1                 +-----+
116 0177 1
117 0178 1                 +-----+
118 0179 1                 | offset of ASCII value name n-1 |
119 0180 1                 +-----+
120 0181 1
121 0182 1                 The offsets are relative to the address
122 0183 1                 of the descriptor (PETD). The names are
123 0184 1                 counted strings with 1-byte counts. It
124 0185 1                 is assumed that the compiler has upcased
125 0186 1                 all of the strings.
126 0187 1
127 0188 1     ERROR          - Optional. If specified, the address to unwind to
128 0189 1                 in case of an error.
129 0190 1
130 0191 1 IMPLICIT INPUTS:
131 0192 1
132 0193 1     NONE
133 0194 1
134 0195 1 IMPLICIT OUTPUTS:
135 0196 1
136 0197 1     NONE
137 0198 1
138 0199 1 ROUTINE VALUE:

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139 0200 1 |
140 0201 1 |     The value of the enumerated value read.
141 0202 1 |
142 0203 1 | SIDE EFFECTS:
143 0204 1 |
144 0205 1 |     If the file is the standard file INPUT or OUTPUT, it is implicitly opened.
145 0206 1 |
146 0207 1 | SIGNALLED ERRORS:
147 0208 1 |
148 0209 1 |     INVSYNENU - invalid syntax for enumerated value
149 0210 1 |     AMBVALENU - "string" is an ambiguous value for enumerated type "type"
150 0211 1 |     NOTVALTYP - "string" is not a value of type "type"
151 0212 1 |
152 0213 1 | --
153 0214 1 |
154 0215 2 | BEGIN
155 0216 2 |
156 0217 2 | LOCAL
157 0218 2 |     RESULT,                ! Result value
158 0219 2 |     STRING: REF VECTOR [, BYTE], ! Field in line read
159 0220 2 |     STRING_LENGTH,        ! Length of STRING
160 0221 2 |     MATCH_COUNT,         ! Count of values matched
161 0222 2 |     FCB: REF $PASSFCB_CONTROL_BLOCK, ! File Control block
162 0223 2 |     PFV_ADDR: VOLATILE,   ! Enable argument
163 0224 2 |     UNWIND_ACT: VOLATILE, ! Enable argument
164 0225 2 |     ERROR_ADDR: VOLATILE; ! Enable argument
165 0226 2 |
166 0227 2 | BUILTIN
167 0228 2 |     ACTUALCOUNT;        ! Count of arguments
168 0229 2 |
169 0230 2 | BIND
170 0231 2 |     TYPE_ENUMERATED = UPLIT BYTE (%CHARCOUNT('-enumerated-'), '-enumerated-');
171 0232 2 |
172 0233 2 | ENABLE
173 0234 2 |     PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);    ! Enable error handler
174 0235 2 |
175 0236 2 |     !+
176 0237 2 |     ! Get ERROR parameter, if present.
177 0238 2 |     !-
178 0239 2 |
179 0240 2 | IF ACTUALCOUNT () GEQU 3
180 0241 2 | THEN
181 0242 2 |     ERROR_ADDR = .ERROR;    ! Set unwind address
182 0243 2 |
183 0244 2 | PFV_ADDR = PFV [PFV$R_PFV]; ! Set PFV address
184 0245 2 |
185 0246 2 |     !+
186 0247 2 |     ! Validate PFV and get PFV.
187 0248 2 |     !-
188 0249 2 |
189 0250 2 | PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
190 0251 2 |
191 0252 2 |     !+
192 0253 2 |     ! Set unwind action to unlock file.
193 0254 2 |     !-
194 0255 2 |
195 0256 2 | UNWIND_ACT = PASS$UNWIND_UNLOCK;
  
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253      0314 8      (.STRING [.POS] LEQ %C'z')
254      0315 7      THEN
255      0316 8      .STRING [.POS] - (%C'a' - %C'A')
256      0317 7      ELSE
257      0318 7      .STRING [.POS]
258      0319 7      )
259      0320 6      THEN
260      0321 6      EXITLOOP 0; ! Mismatch found
261      0322 4      END) NEQ 0
262      0323 4      THEN
263      0324 5      BEGIN
264      0325 5      !+
265      0326 5      ! Match found. If exact match, set RESULT, reset
266      0327 5      ! MATCH_COUNT to 1 and exit the loop. If it is a partial
267      0328 5      ! match, set RESULT, increment MATCH_COUNT, and continue.
268      0329 5      !-
269      0330 5      -
270      0331 5      IF .STRING_LENGTH EQL .VAL_LEN
271      0332 5      THEN
272      0333 6      BEGIN
273      0334 6      !+
274      0335 6      ! Exact match
275      0336 6      !-
276      0337 6      RESULT = .IDX;
277      0338 6      MATCH_COUNT = 1;
278      0339 6      EXITLOOP;
279      0340 5      END;
280      0341 5      RESULT = .IDX; ! Set this result
281      0342 5      MATCH_COUNT = .MATCH_COUNT + 1; ! Increment count of matches
282      0343 4      END;
283      0344 3      END;
284      0345 3      END; ! Of INCR loop
285      0346 2      END;
286      0347 2      END;
287      0348 2      !+
288      0349 2      ! Check for no matches (MATCH_COUNT LSS 1) or ambiguous match
289      0350 2      ! (MATCH_COUNT GTR 1).
290      0351 2      !+
291      0352 2      END;
292      0353 2      IF .MATCH_COUNT NEQ 1 ! Not exactly one match?
293      0354 2      THEN
294      0355 3      BEGIN
295      0356 3      LOCAL
296      0357 3      DESCR: BLOCK [8, BYTE];
297      0358 3      DESCR [DSC$W_LENGTH] = .STRING_LENGTH;
298      0359 3      DESCR [DSC$B_CLASS] = 0;
299      0360 3      DESCR [DSC$B_DTYPE] = 0;
300      0361 3      DESCR [DSC$A_POINTER] = STRING [1];
301      0362 3      IF .MATCH_COUNT EQL 0
302      0363 3      THEN
303      0364 3      $PASSIO_ERROR (PASS_NOTVALTYP,3,DESCR,
304      0365 3      (IF .PETD [0] EQL 0
305      0366 3      THEN
306      0367 3      TYPE_ENUMERATED
307      0368 3      ELSE
308      0369 3      .PETD + .PETD [0]),
309      0370 4      .FCB [FCB$L_RECORD_NUMBER]) ! Not a value of type

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0371 3
0372 3
0373 3
0374 3
0375 3
0376 3
0377 3
0378 3
0379 2
0380 2
0381 2
0382 2
0383 2
0384 2
0385 2
0386 2
0387 2
0388 2
0389 1

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ELSE
  $PASSIO_ERROR (PASS_AMBVALENU,3,DESCR,
    (IF .PETD [0] EQL 0
    THEN
      TYPE_ENUMERATED
    ELSE
      .PETD + .PETD [0]),
    .FCB [FCB$L_RECORD_NUMBER]); ! Ambiguous value
END;
!+
! Do end-of-READ processing.
-
PASS$END_READ (PFV [PFV$R_PFV], FCB [FCB$R_FCB]);
RETURN .RESULT - 1; ! Compensate for loop starting at 1
END; ! End of routine PASS$READ_ENUMERATED

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                .TITLE PASS$READ_ENUMERATED Read an enumerated value
                .IDENT  \1-002\
                .PSECT  _PASS$CODE,NOWRT, SHR, PIC,2
                P.AAA: .BYTE 12
                .ASCII  \-enumerated-\
2D 64 65 74 61 72 65 6D 75 6E 65 2D 0C 0000 P.AAA: .BYTE 12
                .ASCII  \-enumerated-\

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TYPE_ENUMERATED= P.AAA
.EXTRN PASS$READ_ENUMERATED
.EXTRN PASS$READ_ENUMERATED
.EXTRN PASS$IO_HANDLER
.EXTRN PASS$VACIDATE_PFV
.EXTRN PASS$INIT_READ, PASS$GET_ENUMERATED
.EXTRN PASS$SIGNAL, PASS$INVSYSMENU
.EXTRN PASS$NOTVALTYP
.EXTRN PASS$AMBVALENU
.EXTRN PASS$END_READ

```

```

OFFC 00000
.ENTRY PASS$READ_ENUMERATED, Save R2,R3,R4,R5,R6,- ; 0144
R7,R8,R9,R10,R11
5E          14 C2 00002  SUBL2 #20, SP ; 0215
           08 AE 7C 00005  CLRQ  ERROR_ADDR
           10 AE D4 00008  CLRL  PFV_ADDR
6D          0110 CF DE 0000B  MOVAL 21$, (FP)
03          6C 91 00010  CMPB  (AP), #3 ; 0240
           05 1F 00013  BLSSU 1$
08 AE          0C AC D0 00015  MOVL  ERROR, ERROR_ADDR ; 0242
56          04 AC D0 0001A 1$: MOVL  PFV, R6 ; 0244
10 AE          56 D0 0001E  MOVL  R6, PFV_ADDR
OC AE 00000000G 00 16 00022  JSB   PASS$VACIDATE_PFV ; 0250
           01 D0 00028  MOVL  #1, UNWIND_ACT ; 0256
           00 16 0002C  JSB   PASS$INIT_READ ; 0262
           59 D4 00032  CLRL  RESULT ; 0264
           00 16 00034  JSB   PASS$GET_ENUMERATED ; 0271
10          50 E8 0003A  BLBS  R0, 2$

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	C8	A7	DD	0003D		PUSHL	-56(FCB)		0275
		54	DD	00040		PUSHL	STRING		
		55	DD	00042		PUSHL	STRING_LENGTH		
		03	DD	00044		PUSHL	#3		
	7E	00G	8F	9A	00046	MOVZBL	#PASSK_INVSYNENU, -(SP)		
			00BC	31	0004A	BRW	18\$		
	1F		55	D1	0004D	2\$:	CMPL	STRING_LENGTH, #31	0281
			03	1B	00050		BLEQU	3\$	
	55		1F	D0	00052		MOVL	#31, STRING_LENGTH	0283
			54	D7	00055	3\$:	DECL	STRING	0284
			53	D4	00057		CLRL	MATCH_COUNT	0292
	52	08	AC	D0	00059		MOVL	PETD, -R2	0293
			51	D4	0005D		CLRL	IDX	0306
			54	11	0005F		BRB	11\$	
53		52	04	A241	C1	4\$:	ADDL3	4(R2)[IDX], R2, TYPE_VAL	0298
		5A		63	9A		MOVZBL	(TYPE_VAL), VAL_LEN	0299
		5A		55	D1		CMPL	STRING_LENGTH, VAL_LEN	0306
				46	1A		BGTRU	11\$	
				50	D4		CLRL	POS	0313
				27	11		BRB	8\$	
	61	8F		6044	91	5\$:	CMPB	(POS)[STRING], #97	
				10	1F		BLSSU	6\$	
	7A	8F		6044	91		CMPB	(POS)[STRING], #122	0314
				09	1A		BGTRU	6\$	
		58		6044	9A		MOVZBL	(POS)[STRING], R8	0316
		58		20	C2		SUBL2	#32, R8	
				04	11		BRB	7\$	
		58		6044	9A	6\$:	MOVZBL	(POS)[STRING], R8	0318
58		08		00	ED	7\$:	CMPZV	#0, #8, (POS)[TYPE_VAL], R8	0312
				04	13		BEQL	8\$	
				50	D4		CLRL	R0	0321
				07	11		BRB	9\$	
	D5		50	55	F3	8\$:	AOBLEQ	STRING_LENGTH, POS, 5\$	0309
			50	01	CE		MNEGL	#1, R0	
				12	13	9\$:	BEQL	11\$	0322
		5A		55	D1		CMPL	STRING_LENGTH, VAL_LEN	0331
				08	12		BNEQ	10\$	
		59		51	D0		MOVL	IDX, RESULT	0337
		5B		01	D0		MOVL	#1, MATCH_COUNT	0338
				0A	11		BRB	12\$	0333
		59		51	D0	10\$:	MOVL	IDX, RESULT	0341
				5B	D6		INCL	MATCH_COUNT	0342
	A7		51	04	A2	11\$:	AOBLEQ	4(R2), IDX, 4\$	0293
			01	5B	D1	12\$:	CMPL	MATCH_COUNT, #1	0353
				53	13		BEQL	19\$	
		6E		55	3C		MOVZWL	STRING_LENGTH, DESCR	0358
	04	AE		01	A4		MOVAB	1(R4), -DESCR+4	0361
				5B	D5		TSTL	MATCH_COUNT	0362
				20	12		BNEQ	15\$	
				C8	A7		PUSHL	-56(FCB)	0370
				62	D5		TSTL	(R2)	
				09	12		BNEQ	13\$	
		50		FF1D	CF		MOVAB	TYPE_ENUMERATED, R0	
				50	DD		PUSHL	R0	
				05	11		BRB	14\$	
		52		62	C0	13\$:	ADDL2	(R2), R2	
				52	DD		PUSHL	R2	

	08	AE	9F	000E0	14\$:	PUSHAB	DESCR		
		03	DD	000E3		PUSHL	#3		
7E	00G	8F	9A	000E5		MOVZBL	#PASSK_NOTVALTYP, -(SP)		
		1E	11	000E9		BRB	18\$		
	C8	A7	DD	000EB	15\$:	PUSHL	-56(FCB)		0378
		62	D5	000EE		TSTL	(R2)		
		09	12	000F0		BNEQ	16\$		
50	FEFD	CF	9E	000F2		MOVAB	TYPE_ENUMERATED, R0		
		50	DD	000F7		PUSHL	R0		
		05	11	000F9		BRB	17\$		
52		62	C0	000FB	16\$:	ADDL2	(R2), R2		
		52	DD	000FE		PUSHL	R2		
	08	AE	9F	00100	17\$:	PUSHAB	DESCR		
		03	DD	00103		PUSHL	#3		
7E	00G	8F	9A	00105		MOVZBL	#PASSK_AMBVALENU, -(SP)		
00000000G	00	05	FB	00109	18\$:	CALLS	#5, PASS\$SIGNAL		
		0A	11	00110		BRB	20\$		
	50	00000000G	00	16	00112	19\$:	JSB	PASS\$END_READ	0385
			79	9E	00118		MOVAB	-(R9), R0	0387
			04	0011B		RET			
			50	D4	0011C	20\$:	CLRL	R0	0789
			04	0011E		RET			
			0000	0011F	21\$:	.WORD	Save nothing		0215
50	08	AC	D0	00121		MOVL	8(AP), R0		
50	04	A0	D0	00125		MOVL	4(R0), R0		
	F4	A0	9F	00129		PUSHAB	ERROR_ADDR		
	F8	A0	9F	0012C		PUSHAB	UNWIND_ACT		
	FC	A0	9F	0012F		PUSHAB	PFV_ADDR		
		03	DD	00132		PUSHL	#3		
		5E	DD	00134		PUSHL	SP		
7E	04	AC	7D	00136		MOVQ	4(AP), -(SP)		
00000000G	00	03	FB	0013A		CALLS	#3, PASS\$IO_HANDLER		
			04	00141		RET			

: Routine Size: 322 bytes, Routine Base: \_PASSCODE + 000D

: 329 0390 1  
: 70 0391 1 !<BLF/PAGE>

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332 0392 1 %SBTT' 'PASSREADV_ENUMERATED - Read an enumerated value from string'
333 0393 1 GLOBAL ROUTINE PASSREADV_ENUMERATED (
334 0394 1     STRING: REF BLOCK [, BYTE],           ! String descriptor
335 0395 1     PETD: REF VECTOR [, LONG],         ! Enumerated type descriptor
336 0396 1     ERROR                               ! Error unwind address
337 0397 1 ) =
338 0398 1
339 0399 1 +-+
340 0400 1 FUNCTIONAL DESCRIPTION:
341 0401 1
342 0402 1     This function reads an enumerated value from the specified string
343 0403 1     and returns it as the function value.
344 0404 1
345 0405 1 CALLING SEQUENCE:
346 0406 1
347 0407 1     Enumerated.wl.v = PASSREADV_ENUMERATED (STRING.mt.ds , PETD.rr.r [, ERROR.ja.r])
348 0408 1
349 0409 1 FORMAL PARAMETERS:
350 0410 1
351 0411 1     STRING - The string to read from, passed as a class S
352 0412 1           (assumed) descriptor. The length and pointer
353 0413 1           are updated to reflect the unread string.
354 0414 1
355 0415 1     PETD - Pascal Enumerated Type Descriptor, passed by reference.
356 0416 1           The structure of a PETD is as follows:
357 0417 1
358 0418 1           +-----+
359 0419 1           | offset of ASCII type name | <-- PETD
360 0420 1           +-----+
361 0421 1           | count of possible values (n) |
362 0422 1           +-----+
363 0423 1           | offset of ASCII value name 0 |
364 0424 1           +-----+
365 0425 1           | offset of ASCII value name 1 |
366 0426 1           +-----+
367 0427 1           |
368 0428 1           | ..
369 0429 1           | offset of ASCII value name n-1 |
370 0430 1           +-----+
371 0431 1
372 0432 1           The offsets are relative to the address
373 0433 1           of the descriptor (PETD). The names are
374 0434 1           counted strings with 1-byte counts. It
375 0435 1           is assumed that the compiler has upcased
376 0436 1           all of the strings.
377 0437 1
378 0438 1     ERROR - Optional. If specified, the address to unwind to
379 0439 1           in case of an error.
380 0440 1
381 0441 1 IMPLICIT INPUTS:
382 0442 1
383 0443 1     NONE
384 0444 1
385 0445 1 IMPLICIT OUTPUTS:
386 0446 1
387 0447 1     NONE
388 0448 1

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389 0449 1 | ROUTINE VALUE:
390 0450 1 |
391 0451 1 |     The value of the enumerated value read.
392 0452 1 |
393 0453 1 | SIDE EFFECTS:
394 0454 1 |
395 0455 1 |     NONE
396 0456 1 |
397 0457 1 | SIGNALLED ERRORS:
398 0458 1 |
399 0459 1 |     NONE
400 0460 1 |
401 0461 1 | --
402 0462 1 |
403 0463 2 | BEGIN
404 0464 2 |
405 0465 2 | LOCAL
406 0466 2 |     PFV: $PASSPFV_FILE_VARIABLE,      ! Pascal File Variable
407 0467 2 |     RESULT,                          ! Result value
408 0468 2 |     ARG_LIST: VECTOR [3, LONG],      ! Argument list
409 0469 2 |     PFV_ADDR: VOLATILE,              ! Enable argument
410 0470 2 |     UNWIND_ACT: VOLATILE,            ! Enable argument
411 0471 2 |     ERROR_ADDR: VOLATILE;            ! Enable argument
412 0472 2 |
413 0473 2 | BUILTIN
414 0474 2 |     ACTUALCOUNT;                    ! Count of arguments
415 0475 2 |
416 0476 2 | ENABLE
417 0477 2 |     PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR); ! Enable error handler
418 0478 2 |
419 0479 2 | !+
420 0480 2 | ! Get ERROR parameter, if present.
421 0481 2 | !-
422 0482 2 |
423 0483 2 | IF ACTUALCOUNT () GEQU 3
424 0484 2 | THEN
425 0485 2 |     ERROR_ADDR = .ERROR;              ! Set unwind address
426 0486 2 |
427 0487 2 |     PFV_ADDR = PFV [PFV$R_PFV];       ! Set PFV address
428 0488 2 |
429 0489 2 | !+
430 0490 2 | ! Set up ARG_LIST.
431 0491 2 | !-
432 0492 2 |
433 0493 2 |     ARG_LIST [0] = 2;                  ! Two arguments
434 0494 2 |     ARG_LIST [1] = PFV [PFV$R_PFV];   ! PFV address
435 0495 2 |     ARG_LIST [2] = PETD [0];          ! Enumerated type descriptor
436 0496 2 |
437 0497 2 | !+
438 0498 2 | ! Call PASS$DO READV to do the work, giving it the address of
439 0499 2 | ! PASSREAD_ENUMERATED to call.
440 0500 2 | !-
441 0501 2 |
442 0502 2 | PASS$DO READV (PFV [PFV$R_PFV], .STRING, ARG_LIST, PASSREAD_ENUMERATED;
443 0503 2 |     RESULT);
444 0504 2 |
445 0505 2 | RETURN .RESULT;

```

: 446 0506 2  
: 447 0507 1 END;

! End of routine PASSREADV\_ENUMERATED

					.EXTRN	PASS\$DO_READV	
					.ENTRY	PASSREADV_ENUMERATED, Save R2,R3,R4,R6	: 0393
	5E		24	C2	SUBL2	#36, SP	: 0463
			7E	D4	CLRL	ERROR_ADDR	: 0483
		04	AE	7C	CLRQ	UNWIND_ACT	: 0485
	6D	0035	CF	DE	MOVAL	2\$, (FP)	: 0487
	03		6C	91	CMPB	(AP), #3	: 0493
			04	1F	BLSSU	1\$	: 0494
	6E	0C	AC	D0	MOVL	ERROR, ERROR_ADDR	: 0495
08	AE	18	AE	9E	MOVAB	PFV, PFV_ADDR	: 0502
0C	AE		02	D0	MOVL	#2, ARG_LIST	: 0507
10	AE	18	AE	9E	MOVAB	PFV, ARG_LIST+4	: 0493
14	AE	08	AC	D0	MOVL	PETD, ARG_LIST+8	: 0494
	54	FE8F	CF	9E	MOVAB	PASSREAD_ENUMERATED, R4	: 0495
	53	0C	AE	9E	MOVAB	ARG_LIST, R3	: 0502
	56	18	AE	9E	MOVAB	PFV, R6	: 0507
	52	04	AC	D0	MOVL	STRING, R2	: 0463
		00000000G	00	16	JSB	PASS\$DO_READV	: 0507
				04	RET		: 0463
				0000	.WORD	Save nothing	: 0507
	50	08	AC	D0	MOVL	8(AP), R0	: 0463
	50	04	A0	D0	MOVL	4(R0), R0	: 0507
			D8	A0	PUSHAB	ERROR_ADDR	: 0493
			DC	A0	PUSHAB	UNWIND_ACT	: 0494
			E0	A0	PUSHAB	PFV_ADDR	: 0495
			03	DD	PUSHL	#3	: 0502
			5E	DD	PUSHL	SP	: 0507
	7E	04	AC	7D	MOVQ	4(AP), -(SP)	: 0463
		00000000G	03	FB	CALLS	#3, PASS\$IO_HANDLER	: 0507
			04	00C55	RET		: 0463

: Routine Size: 102 bytes, Routine Base: \_PASS\$CODE + 014F

: 448 0508 1  
: 449 0509 1 !<BLF/PAGE>

```

: 451      0510 1 END
: 452      0511 1
: 453      0512 0 ELUDOM
! End of module PASSREAD_ENUMERATED
    
```

PSECT SUMMARY

```

Name          Bytes          Attributes
_PASS$CODE    437 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	4	0	581	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	99	23	33	00:00.4

COMMAND QUALIFIERS

```

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

```

: Size:          424 code + 13 data bytes
: Run Time:      00:10.6
: Elapsed Time: 00:35.7
: Lines/CPU Min: 2892
: Lexemes/CPU-Min: 15163
: Memory Used: 134 pages
: Compilation Complete
    
```



