

001
001
001
001
001
001
001
001
7FF
7FF
7FF
7FF
7FF
7FF
7FF

```

SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGG  RRRRRRRRRRR  TTTTTTTTTTTTT  LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGG  RRRRRRRRRRR  TTTTTTTTTTTTT  LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGG  RRRRRRRRRRR  TTTTTTTTTTTTT  LLL
SSS            MMMMMM  MMMMMM  GGG          RRR          RRR          TTT          LLL
SSS            MMMMMM  MMMMMM  GGG          RRR          RRR          TTT          LLL
SSS            MMMMMM  MMMMMM  GGG          RRR          RRR          TTT          LLL
SSS            MMM      MMM      GGG          RRR          RRR          TTT          LLL
SSS            MMM      MMM      GGG          RRR          RRR          TTT          LLL
SSS            MMM      MMM      GGG          RRR          RRR          TTT          LLL
SSS            MMM      MMM      GGG          RRR          RRR          TTT          LLL
SSSSSSSSSSS    MMM      MMM      GGG          RRRRRRRRRRR  TTT          LLL
SSSSSSSSSSS    MMM      MMM      GGG          RRRRRRRRRRR  TTT          LLL
SSSSSSSSSSS    MMM      MMM      GGG          RRRRRRRRRRR  TTT          LLL
SSS            MMM      MMM      GGG          GGGGGGGGG  RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGGGGGGGG  RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGGGGGGGG  RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGG          RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGG          RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGG          RRR  RRR          TTT          LLL
SSS            MMM      MMM      GGG          GGG          RRR  RRR          TTT          LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGG  RRR          RRR          TTT          LLLLLLLLLLLLLLLLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGG  RRR          RRR          TTT          LLLLLLLLLLLLLLLLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGG  RRR          RRR          TTT          LLLLLLLLLLLLLLLLL

```

```

SSSSSSSS MM MM GGGGGGGG NN NN UU UU MM MM TTTTTTTTTT AAAAAA BBBB8888
SSSSSSSS MM MM GGGGGGGG NN NN UU UU MM MM TTTTTTTTTT AAAAAA BBBB8888
SS M M M M G G NN NN UU UU M M M M TT AA AA BB BB
SS M M M M G G NN NN UU UU M M M M TT AA AA BB BB
SS M M M M G G NN NN UU UU M M M M TT AA AA BB BB
SSSSSS M M M M G G NN NN UU UU M M M M TT AA AA BBBB8888
SSSSSS M M M M G G NN NN UU UU M M M M TT AA AA BBBB8888
SS M M M M G G GGGGGG NN NN NN NN UU UU M M M M TT AA AA BBBB8888
SS M M M M G G GGGGGG NN NN NN NN UU UU M M M M TT AA AA BBBB8888
SS M M M M G G GG NN NN NN NN UU UU M M M M TT AA AA BBBB8888
SS M M M M G G NN NN NN NN UU UU M M M M TT AA AA BBBB8888
SSSSSSSS M M M M GGGGGG NN NN UU UU M M M M TT AA AA BBBB8888
SSSSSSSS M M M M GGGGGG NN NN UU UU M M M M TT AA AA BBBB8888

```

```

LL LL I I I I I I SSSSSSSS
LL LL I I I I I I SSSSSSSS
LL LL I I SS
LL LL I I SS
LL LL I I SS
LL LL I I SSSSSS
LL LL I I SSSSSS
LL LL I I SS
LL LL I I SS
LL LL I I SS
LLLLLLLLLL I I I I I I SSSSSSSS
LLLLLLLLLL I I I I I I SSSSSSSS

```

```

1 0001 0 MODULE SMG$NUMERIC TABLES( %TITLE 'TPARSE tables for numeric capabilities'
2 0002 0 IDENT = '1-003' ! File: SMGNUMTAB.B32 Edit: PLL1003
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
22 0022 1 *
23 0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 **
31 0031 1 FACILITY: Screen Management
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains the LIB$TPARSE state tables used to parse
36 0036 1 numeric capabilities in an ascii TERMTABLE.TXT file.
37 0037 1
38 0038 1 ENVIRONMENT: User mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: P. Levesque CREATION DATE: 30-Jan-1984
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. PLL 30-Jan-1984
45 0045 1 1-002 - Allow comments on lines not terminated by comma. PLL 15-Mar-1984
46 0046 1 1-003 - Add frame capability. PLL 29-Mar-1984
47 0047 1 --
48 0048 1

```

```

50      0049 1 %SBTTL 'Declarations'
51      0050 1
52      0051 1 : SWITCHES:
53      0052 1
54      0053 1
55      0054 1
56      0055 1 : LINKAGES:
57      0056 1
58      0057 1 :     NONE
59      0058 1
60      0059 1 : TABLE OF CONTENTS:
61      0060 1
62      0061 1
63      0062 1 FORWARD ROUTINE
64      0063 1     CONVERT NUMERIC,           : convert ascii to binary integer
65      0064 1     NOT_NUMERIC;             : signal an unknown capability name
66      0065 1
67      0066 1
68      0067 1 : INCLUDE FILES:
69      0068 1
70      0069 1
71      0070 1 REQUIRE 'RTLIN:SMGPROLOG';     : Defines psects, macros, etc.
72      0148 1
73      0149 1 LIBRARY 'RTLML:SMGTPALIB';     : Definitions and macros used
74      0150 1 : to create TERMTABLE.EXE
75      0151 1 LIBRARY 'RTLTPAMAC';         : TPARSE library of macros
76      0152 1
77      0153 1
78      0154 1 : EQUATED SYMBOLS:
79      0155 1
80      0156 1 :     NONE
81      0157 1
82      0158 1 : FIELDS:
83      0159 1
84      0160 1 :     NONE
85      0161 1
86      0162 1 : PSECTS:
87      0163 1
88      0164 1
89      0165 1
90      0166 1 : EXTERNAL REFERENCES:
91      0167 1
92      0168 1 EXTERNAL ROUTINE
93      0169 1     OTSSCVT_TL L,           : convert ascii digits to integer
94      0170 1     SMG$$BLANKS OFF,        : turn off flag to process blanks
95      0171 1     SMG$$FLUSH_NUMERIC,     : flush numeric value to data area
96      0172 1     SMG$$MISSING_END,      : signal error
97      0173 1     SMG$$NEXT_RECORD,      : get next record from TERMTABLE.TXT
98      0174 1     SMG$$SAVE_TOKEN_STRING, : store ptr & count for token
99      0175 1     SMG$$STORE_CAP_MASK,    : remember capability number
100     0176 1     SMG$$SYNTAX_ERROR;     : signal syntax error
101     0177 1
102     0178 1 EXTERNAL
103     0179 1     SMG$_ERRAT_LIN,          : error in line n at or near 'x'
104     0180 1     SMG$_MISTERNAM,         : missing terminal name
105     0181 1     SMG$_NOTNUMCAP,         : not a numeric capability
106     0182 1     SMG$_SYNERR;           : syntax error

```

SMG\$NUMERIC_TAB TPARSE tables for numeric capabilities
1-003 Declarations

G 9
16-Sep-1984 01:08:25
14-Sep-1984 13:09:57

VAX-11 Bliss-32 V4.0-742
[SMGRTL.SRC]SMGNUMTAB.B32;1

```
: 107      0183  1
: 108      0184  1 EXTERNAL
: 109      0185  1          SMG$SMASK_ADR,
: 110      0186  1          SMG$CURRENT_LINE;
: 111      0187  1
: 112      0188  1
: 113      0189  1 OWN STORAGE:
: 114      0190  1
: 115      0191  1 NONE
```

```
: used by TPARSE action routines
: current input line - maintained
: for error messages
```

```

117 0192 1 %SBTTL 'SMG$$NUMERIC_TABLES - TPARSE tables for numeric capabilities'
118 0193 1 |++
119 0194 1 | FUNCTIONAL DESCRIPTION:
120 0195 1 |
121 0196 1 |     The following are the state tables used to parse numeric
122 0197 1 |     capabilities in a terminal definition.
123 0198 1 |
124 0199 1 | --
125 0200 1 |
126 0201 1 $INIT_STATE (SMG$$A_NUMERIC_STATES, SMG$$A_NUMERIC_KEYWDS);
127 0202 1 | set up state tables, key words
128 0203 1 |
129 0204 1 | +
130 0205 1 | Begin scanning loop. Look for the start of a capability.
131 0206 1 | Skip over blanks and comments.
132 0207 1 | -
133 0208 1 |
134 P 0209 1 $STATE (BEGIN_SCAN,
135 P 0210 1 | ((END_OF_LINE), BEGIN_SCAN, SMG$$NEXT_RECORD),
136 P 0211 1 | ('!', -BEGIN_SCAN, SMG$$NEXT_RECORD),
137 P 0212 1 | ((CAPABILITY), BEGIN_SCAN, SMG$$BLANKS_OFF),
138 P 0213 1 | (TPAS_LAMBDA, TPAS_EXIT)
139 0214 1 | );
140 0215 1 |
141 0216 1 | +
142 0217 1 | This state indicates the end of a line. A comment also signals the
143 0218 1 | end of a line.
144 0219 1 | -
145 0220 1 |
146 P 0221 1 $STATE (END_OF_LINE,
147 P 0222 1 | (TPAS_EOS, -TPAS_EXIT),
148 P 0223 1 | ('!' -TPAS_EXIT),
149 P 0224 1 | (TPAS_LAMBDA, TPAS_FAIL)
150 0225 1 | );
151 0226 1 |
152 0227 1 | +
153 0228 1 | Find the capability name and determine if it's one that we expect.
154 0229 1 | The string up to the '=' sign should be the capability name.
155 0230 1 | -
156 0231 1 |
157 P 0232 1 $STATE (CAPABILITY,
158 P 0233 1 | ((NUMERIC_NAME), EQUALS_NUMERIC, SMG$$BLANKS_OFF),
159 P 0234 1 | ('END', TPAS_FAIL),
160 P 0235 1 | ('BOOLEAN', TPAS_FAIL),
161 P 0236 1 | ('NUMERIC', BEGIN_SCAN),
162 P 0237 1 | ('STRING', TPAS_FAIL),
163 P 0238 1 | ('REQUIRE', TPAS_FAIL, SMG$$MISSING_END),
164 P 0239 1 | ('NAME', TPAS_FAIL, SMG$$MISSING_END),
165 P 0240 1 | (TPAS_SYMBOL, -, NOT_NUMERIC)
166 0241 1 | );
167 0242 1 |
168 0243 1 | +
169 0244 1 | Check for a numeric name here.
170 0245 1 | -
171 0246 1 |
172 P 0247 1 $STATE (NUMERIC_NAME,
173 P 0248 1 | ('COLUMNS', -TPAS_EXIT, , SMG$K_COLUMNS, SMG$$MASK_ADR),
    
```

```

174 P 0249 1 ('CR FILL', TPAS_EXIT, SMG$K_CR_FILL, SMG$$MASK_ADR),
175 P 0250 1 ('FRAME', TPAS_EXIT, SMG$K_FRAME, SMG$$MASK_ADR),
176 P 0251 1 ('LF FILL', TPAS_EXIT, SMG$K_LF_FILL, SMG$$MASK_ADR),
177 P 0252 1 ('NUMBER_FN_KEYS', TPAS_EXIT, SMG$K_NUMBER_FN_KEYS, SMG$$MASK_ADR),
178 P 0253 1 ('ROWS', TPAS_EXIT, SMG$K_ROWS, SMG$$MASK_ADR),
179 P 0254 1 ('WIDE_SCREEN_COLUMNS', TPAS_EXIT, SMG$K_WIDE_SCREEN_COLUMNS, SMG$$MASK_ADR),
180 P 0255 1 ('PRIVATE_NUM_1', TPAS_EXIT, SMG$K_PRIVATE_NUM_1, SMG$$MASK_ADR),
181 P 0256 1 ('PRIVATE_NUM_2', TPAS_EXIT, SMG$K_PRIVATE_NUM_2, SMG$$MASK_ADR),
182 P 0257 1 ('PRIVATE_NUM_3', TPAS_EXIT, SMG$K_PRIVATE_NUM_3, SMG$$MASK_ADR),
183 P 0258 1 ('PRIVATE_NUM_4', TPAS_EXIT, SMG$K_PRIVATE_NUM_4, SMG$$MASK_ADR),
184 P 0259 1 ('PRIVATE_NUM_5', TPAS_EXIT, SMG$K_PRIVATE_NUM_5, SMG$$MASK_ADR),
185 P 0260 1 ('PRIVATE_NUM_6', TPAS_EXIT, SMG$K_PRIVATE_NUM_6, SMG$$MASK_ADR),
186 P 0261 1 ('PRIVATE_NUM_7', TPAS_EXIT, SMG$K_PRIVATE_NUM_7, SMG$$MASK_ADR),
187 P 0262 1 ('PRIVATE_NUM_8', TPAS_EXIT, SMG$K_PRIVATE_NUM_8, SMG$$MASK_ADR),
188 P 0263 1 ('PRIVATE_NUM_9', TPAS_EXIT, SMG$K_PRIVATE_NUM_9, SMG$$MASK_ADR),
189 P 0264 1 ('PRIVATE_NUM_10', TPAS_EXIT, SMG$K_PRIVATE_NUM_10, SMG$$MASK_ADR),
190 P 0265 1 (TPAS_LAMBDA, TPAS_FAIL)
191 0266 1 );
192 0267 1
193 0268 1 !+
194 0269 1 ! Skip over intervening equals sign.
195 0270 1 !-
196 0271 1
197 P 0272 1 $STATE (EQUALS_NUMERIC,
198 P 0273 1 ((END_OF_LINE), EQUALS_NUMERIC, SMG$$NEXT_RECORD),
199 P 0274 1 ('=' NUMERIC_CAP_VALUE, SMG$$STORE_CAP_MASK),
200 P 0275 1 (TPAS_SYMBOL, SMG$$SYNTAX_ERROR),
201 P 0276 1 (TPAS_ANY, SMG$$SYNTAX_ERROR)
202 0277 1 );
203 0278 1
204 0279 1 !+
205 0280 1 ! Get the numeric capability value.
206 0281 1 !-
207 0282 1
208 P 0283 1 $STATE (NUMERIC_CAP_VALUE,
209 P 0284 1 ((END_OF_LINE), NUMERIC_CAP_VALUE, SMG$$NEXT_RECORD),
210 P 0285 1 ((NUMERIC_CAP), BEGIN_SCAN),
211 P 0286 1 (TPAS_SYMBOL, SMG$$SYNTAX_ERROR),
212 P 0287 1 (TPAS_ANY, SMG$$SYNTAX_ERROR)
213 0288 1 );
214 0289 1
215 0290 1 !+
216 0291 1 ! This is a numeric capability. Convert ascii to binary and store it
217 0292 1 ! in TERMTABLE.EXE.
218 0293 1 !-
219 0294 1
220 P 0295 1 $STATE (NUMERIC_CAP,
221 P 0296 1 (TPAS_DIGIT, NUMERIC_CAP, SMG$$SAVE_TOKEN_STRING),
222 P 0297 1 ((COMMA), TPAS_EXIT, CONVERT_NUMERIC),
223 P 0298 1 ((END_OF_LINE), NEW_RECORD, CONVERT_NUMERIC),
224 P 0299 1 (TPAS_ANY, SMG$$SYNTAX_ERROR)
225 0300 1 );
226 0301 1
227 P 0302 1 $STATE (COMMA,
228 P 0303 1 ('', TPAS_EXIT, SMG$$BLANKS_OFF),
229 P 0304 1 (TPAS_BLANK, COMMA, SMG$$BLANKS_OFF),
230 P 0305 1 (TPAS_LAMBDA, TPAS_FAIL)

```

SMG\$NUMERIC_TAB TPARSE tables for numeric capabilities
1-003 SMG\$\$NUMERIC_TABLES - TPARSE tables for numeric

J 9
16-Sep-1984 01:08:25
14-Sep-1984 13:09:57

VAX-11 Bliss-32 V4.0-742
[SMGRTL.SRC]SMGNUMTAB.B32;1

Page 6
(3)

```
: 231      0306 1      );  
: 232      0307 1  
: 233      P 0308 1 $STATE (NEW RECORD,  
: 234      P 0309 1      (TPAS_LAMBDA, TPAS_EXIT, SMG$$NEXT_RECORD)  
: 235      0310 1      );  
: 236      0311 1
```

SM
1-


```

238 0312 1 %SBTTL 'CONVERT_NUMERIC - Convert ascii to binary integer'
239 0313 1 ROUTINE CONVERT_NUMERIC =
240 0314 1
241 0315 1
242 0316 1 ++
243 0317 1 FUNCTIONAL DESCRIPTION:
244 0318 1     Converts an ascii string to binary integer. The integer is
245 0319 1     stored in the location of the current capability data in
246 0320 1     TERMTABLE.EXE.
247 0321 1
248 0322 1 CALLING SEQUENCE:
249 0323 1
250 0324 1     status = CONVERT_NUMERIC ()
251 0325 1
252 0326 1 FORMAL PARAMETERS:
253 0327 1
254 0328 1     NONE
255 0329 1
256 0330 1 IMPLICIT INPUTS:
257 0331 1
258 0332 1     AP     Points to TPARSE parameter block
259 0333 1
260 0334 1 IMPLICIT OUTPUTS:
261 0335 1
262 0336 1     NONE
263 0337 1
264 0338 1 COMPLETION STATUS:
265 0339 1
266 0340 1     SSS_NORMAL
267 0341 1
268 0342 1 SIDE EFFECTS:
269 0343 1
270 0344 1 --
271 0345 1
272 0346 2 BEGIN
273 0347 2
274 0348 2     BUILTIN
275 0349 2     CALLG,
276 0350 2     AP;
277 0351 2     MAP
278 0352 2     AP : REF BLOCK [,BYTE];
279 0353 2
280 0354 2 ++
281 0355 2     If we didn't find any digits, then there is nothing to convert.
282 0356 2     -
283 0357 2
284 0358 2     IF .AP [PARAM_L_SAVED_TOKENCNT] EQL 0
285 0359 2     THEN
286 0360 2     RETURN (SS$NORMAL);
287 0361 2
288 0362 2 ++
289 0363 2     If this is not the NAME capability and we have no pointers set up
290 0364 2     for the terminal definition, then NAME was not the first capability
291 0365 2     in the definition. Complain.
292 0366 2     -
293 0367 2
294 0368 3     BEGIN

```

```

295 0369 3 BIND
296 0370 CAP_PTRS = .AP [PARAM_L_CUR_TERM_DEF] : VECTOR [,WORD];
297 0371
298 0372 IF CAP_PTRS EQL 0
299 0373 THEN
300 0374 SIGNAL_STOP (SMG$_MISTERNAM);
301 0375
302 0376 !+
303 0377 Move the capability data. The byte count is in the first byte and
304 0378 the actual data follows.
305 0379 !-
306 0380 We must convert the ascii digits to binary.
307 0381
308 0382
309 0383 BEGIN
310 0384 LOCAL
311 0385 STATUS,
312 0386 INPUT_STRING_DESC : BLOCK [8, BYTE];
313 0387
314 0388 INPUT_STRING_DESC [DSC$_DTYPE] = DSC$_DTYPE_T;
315 0389 INPUT_STRING_DESC [DSC$_CLASS] = DSC$_CLASS_S;
316 0390 INPUT_STRING_DESC [DSC$_LENGTH] = .AP [PARAM_L_SAVED_TOKENCNT];
317 0391 INPUT_STRING_DESC [DSC$_POINTER] = .AP [PARAM_L_SAVED_TOKENSTR];
318 0392
319 0393 IF NOT (STATUS = OTSCVT_TI_L (INPUT_STRING_DESC, AP [TPASL_NUMBER]))
320 0394 THEN
321 0395 SIGNAL_STOP (SMG$_ERRAT_LIN,
322 0396 3, .SMG$_CURRENT_LINE,
323 0397 .AP [PARAM_L_SAVED_TOKENCNT],
324 0398 .AP [PARAM_L_SAVED_TOKENSTR],
325 0399 .STATUS);
326 0400
327 0401 CALLG (.AP, SMG$_FLUSH_NUMERIC); ! move value to data area
328 0402
329 0403 END;
330 0404
331 0405
332 0406 END; ! end of BINDs scope
333 0407
334 0408 !+
335 0409 Re-initialize capability string.
336 0410 !-
337 0411
338 0412 AP [PARAM_L_SAVED_TOKENCNT] = 0;
339 0413 AP [PARAM_L_SAVED_TOKENSTR] = 0;
340 0414
341 0415 RETURN (SS$_NORMAL);
342 0416
343 0417 1 END; ! end of routine CONVERT_NUMERIC
    
```

```

.TITLE SMG$NUMERIC_TABLES TPARSE tables for numeric ca
.IDENT \1-003\ pabilities
.PSECT _LIB$KEY1$,NOWRT, SHR, PIC,1
    
```

							00000		:	TPASKEYSTO									
							U.29:	.BLKB		0									
		44	4E	45			00000	:	TPASKEYST										
						FF	00003	U.31:	.ASCII	\E\									
							00004		.BYTE	-1		:							
							00004	:	TPASKEYSTO										
							U.34:	.BLKB		0									
4E	41	45	4C	4F	4F	42	00004	:	TPASKEYST										
							U.36:	.ASCII	\BOOLEAN\			:							
						FF	0000B		.BYTE	-1		:							
							0000C	:	TPASKEYSTO										
							U.39:	.BLKB		0									
43	49	52	45	4D	55	4E	0000C	:	TPASKEYST										
							U.41:	.ASCII	\NUMERIC\			:							
						FF	00013		.BYTE	-1		:							
							00014	:	TPASKEYSTO										
							U.44:	.BLKB		0									
		47	4E	49	52	54	53	00014	:	TPASKEYST									
							U.46:	.ASCII	\STRING\			:							
						FF	0001A		.BYTE	-1		:							
							0001B	:	TPASKEYSTO										
							U.49:	.BLKB		0									
45	52	49	55	51	45	52	0001B	:	TPASKEYST										
							U.51:	.ASCII	\REQUIRE\			:							
						FF	00022		.BYTE	-1		:							
							00023	:	TPASKEYSTO										
							U.55:	.BLKB		0									
			45	4D	41	4E	00023	:	TPASKEYST										
							U.57:	.ASCII	\NAME\			:							
						FF	00027		.BYTE	-1		:							
						FF	00028	:	TPASKEYFILL			:							
							U.63:	.BYTE	-1			:							
							00029	:	TPASKEYSTO										
							U.64:	.BLKB		0									
53	4E	4D	55	4C	4F	43	00029	:	TPASKEYST										
							U.66:	.ASCII	\COLUMNS\			:							
						FF	00030		.BYTE	-1		:							
							00031	:	TPASKEYSTO										
							U.71:	.BLKB		0									
4C	4C	49	46	5F	52	43	00031	:	TPASKEYST										
							U.73:	.ASCII	\CR_FILL\			:							
						FF	00038		.BYTE	-1		:							
							00039	:	TPASKEYSTO										
							U.78:	.BLKB		0									
		45	4D	41	52	46	00039	:	TPASKEYST										
							U.80:	.ASCII	\FRAME\			:							
						FF	0003E		.BYTE	-1		:							
							0003F	:	TPASKEYSTO										
							U.85:	.BLKB		0									
4C	4C	49	46	5F	46	4C	0003F	:	TPASKEYST										
							U.87:	.ASCII	\LF_FILL\			:							
						FF	00046		.BYTE	-1		:							
							00047	:	TPASKEYSTO										
							U.92:	.BLKB		0									
53	59	45	4B	5F	4E	46	5F	52	45	42	4D	55	4E	00047	:	TPASKEYST			
														U.94:	.ASCII	\NUMBER_FN_KEYS\			:
							FF	00055		.BYTE	-1								:


```

30 31 5F 4D 55 4E 5F 45 54 41 56 49 52 50 000ED U.176: .BLKB 0
          :TPASKEYST
          U.178: .ASCII \PRIVATE_NUM_10\
          FF 000FB :.BYTE -1
          FF 000FC :TPASKEYFILL
          U.185: .BYTE -1
          .PSECT _LIBS$STATES,NOWRT, SHR, PIC,1
00000 SMG$$A_NUMERIC_STATES::
          .BLKB 0
00000 BEGIN_SCAN:
          .BLKB 0
99F8 00000 :TPASTYPE
          U.2: .WORD -26120
0000* 00002 :TPASSUBEXP
          U.4: .WORD <<U.3-U.4>-2>
00000000* 00004 :TPASACTION
          U.5: .LONG <<SMG$$NEXT_RECORD-U.5>-4>
0000* 00008 :TPASTARGET
          U.6: .WORD <<BEGIN_SCAN-U.6>-2>
9021 0000A :TPASTYPE
          U.7: .WORD -28639
00000000* 0000C :TPASACTION
          U.8: .LONG <<SMG$$NEXT_RECORD-U.8>-4>
0000* 00010 :TPASTARGET
          U.9: .WORD <<BEGIN_SCAN-U.9>-2>
99F8 00012 :TPASTYPE
          U.10: .WORD -26120
0000* 00014 :TPASSUBEXP
          U.12: .WORD <<U.11-U.12>-2>
00000000* 00016 :TPASACTION
          U.13: .LONG <<SMG$$BLANKS_OFF-U.13>-4>
0000* 0001A :TPASTARGET
          U.14: .WORD <<BEGIN_SCAN-U.14>-2>
15F6 0001C :TPASTYPE
          U.15: .WORD 5622
FFFF 0001E :TPASTARGET
          U.16: .WORD -1
          00020 :END_OF_LINE
          U.3: .BLKB 0
11F7 00020 :TPASTYPE
          U.17: .WORD 4599
FFFF 00022 :TPASTARGET
          U.18: .WORD -1
1021 00024 :TPASTYPE
          U.19: .WORD 4129
FFFF 00026 :TPASTARGET
          U.20: .WORD -1
15F6 00028 :TPASTYPE
          U.21: .WORD 5622
FFFE 0002A :TPASTARGET
          U.22: .WORD -2
          0002C :CAPABILITY
          U.11: .BLKB 0
99F8 0002C :TPASTYPE
          U.23: .WORD -26120

```

SMG\$NUMERIC_TAB 1-003 TPARSE tables for numeric capabilities
CONVERT_NUMERIC - Convert ascii to binary integ

C 10
16-Sep-1984 01:08:25
14-Sep-1984 13:09:57

VAX-11 Bliss-32 V4.0-742
[SMGRTL.SRC]SMGNUMTAB.B32;1

Page 12
(4)

SM
1-

0000*	0002E	:TPASSUBEXP		
		U.25: .WORD	<<U.24-U.25>-2>	:
00000000*	00030	:TPASACTION		:
		U.26: .LONG	<<SMG\$\$BLANKS_OFF-U.26>-4>	:
0000*	00034	:TPASTARGET		:
		U.28: .WORD	<<U.27-U.28>-2>	:
1100	00036	:TPASTYPE		:
		U.32: .WORD	4352	:
FFFE	00038	:TPASTARGET		:
		U.33: .WORD	-2	:
1101	0003A	:TPASTYPE		:
		U.37: .WORD	4353	:
FFFE	0003C	:TPASTARGET		:
		U.38: .WORD	-2	:
1102	0003E	:TPASTYPE		:
		U.42: .WORD	4354	:
0000*	00040	:TPASTARGET		:
		U.43: .WORD	<<BEGIN_SCAN-U.43>-2>	:
1103	00042	:TPASTYPE		:
		U.47: .WORD	4355	:
FFFE	00044	:TPASTARGET		:
		U.48: .WORD	-2	:
9104	00046	:TPASTYPE		:
		U.52: .WORD	-28412	:
00000000*	00048	:TPASACTION		:
		U.53: .LONG	<<SMG\$\$MISSING_END-U.53>-4>	:
FFFE	0004C	:TPASTARGET		:
		U.54: .WORD	-2	:
9105	0004E	:TPASTYPE		:
		U.58: .WORD	-28411	:
00000000*	00050	:TPASACTION		:
		U.59: .LONG	<<SMG\$\$MISSING_END-U.59>-4>	:
FFFE	00054	:TPASTARGET		:
		U.60: .WORD	-2	:
85F1	00056	:TPASTYPE		:
		U.61: .WORD	-31247	:
00000000V	00058	:TPASACTION		:
		U.62: .LONG	<<NOT_NUMERIC-U.62>-4>	:
	0005C	:NUMERIC_NAME		:
		U.24: .BLKB	0	:
7106	0005C	:TPASTYPE		:
		U.67: .WORD	28934	:
00000000*	0005E	:TPASADDR		:
		U.68: .LONG	<<SMG\$\$MASK_ADR-U.68>-4>	:
000000DD	00062	:TPASMASK		:
		U.69: .LONG	221	:
FFFF	00066	:TPASTARGET		:
		U.70: .WORD	-1	:
7107	00068	:TPASTYPE		:
		U.74: .WORD	28935	:
00000000*	0006A	:TPASADDR		:
		U.75: .LONG	<<SMG\$\$MASK_ADR-U.75>-4>	:
000000DE	0006E	:TPASMASK		:
		U.76: .LONG	222	:
FFFF	00072	:TPASTARGET		:
		U.77: .WORD	-1	:
7108	00074	:TPASTYPE		:

00000000*	00076	U.81: .WORD	28936	:
		:TPASADDR		:
000000DF	0007A	U.82: .LONG	<<SMG\$\$MASK_ADR-U.82>-4>	:
		:TPASMASK		:
FFFF	0007E	U.83: .LONG	223	:
		:TPASTARGET		:
7109	00080	U.84: .WORD	-1	:
		:TPASTYPE		:
00000000*	00082	U.88: .WORD	28937	:
		:TPASADDR		:
000000E0	00086	U.89: .LONG	<<SMG\$\$MASK_ADR-U.89>-4>	:
		:TPASMASK		:
FFFF	0008A	U.90: .LONG	224	:
		:TPASTARGET		:
710A	0008C	U.91: .WORD	-1	:
		:TPASTYPE		:
00000000*	0008E	U.95: .WORD	28938	:
		:TPASADDR		:
000000E1	00092	U.96: .LONG	<<SMG\$\$MASK_ADR-U.96>-4>	:
		:TPASMASK		:
FFFF	00096	U.97: .LONG	225	:
		:TPASTARGET		:
710B	00098	U.98: .WORD	-1	:
		:TPASTYPE		:
00000000*	0009A	U.102: .WORD	28939	:
		:TPASADDR		:
000000E2	0009E	U.103: .LONG	<<SMG\$\$MASK_ADR-U.103>-4>	:
		:TPASMASK		:
FFFF	000A2	U.104: .LONG	226	:
		:TPASTARGET		:
710C	000A4	U.105: .WORD	-1	:
		:TPASTYPE		:
00000000*	000A6	U.109: .WORD	28940	:
		:TPASADDR		:
000000E4	000AA	U.110: .LONG	<<SMG\$\$MASK_ADR-U.110>-4>	:
		:TPASMASK		:
FFFF	000AE	U.111: .LONG	228	:
		:TPASTARGET		:
710D	000B0	U.112: .WORD	-1	:
		:TPASTYPE		:
00000000*	000B2	U.116: .WORD	28941	:
		:TPASADDR		:
000001AF	000B6	U.117: .LONG	<<SMG\$\$MASK_ADR-U.117>-4>	:
		:TPASMASK		:
FFFF	000BA	U.118: .LONG	431	:
		:TPASTARGET		:
710E	000BC	U.119: .WORD	-1	:
		:TPASTYPE		:
00000000*	000BE	U.123: .WORD	28942	:
		:TPASADDR		:
000001B0	000C2	U.124: .LONG	<<SMG\$\$MASK_ADR-U.124>-4>	:
		:TPASMASK		:
FFFF	000C6	U.125: .LONG	432	:
		:TPASTARGET		:
710F	000C8	U.126: .WORD	-1	:
		:TPASTYPE		:
		U.130: .WORD	28943	:

00000000*	000CA	;TPAS\$ADDR			
		U.131:	.LONG	<<SMG\$\$MASK_ADR-U.131>-4>	:
000001B1	000CE	;TPAS\$MASK			:
		U.132:	.LONG	433	:
FFFF	000D2	;TPAS\$TARGET			:
		U.133:	.WORD	-1	:
7110	000D4	;TPAS\$TYPE			:
		U.137:	.WORD	28944	:
00000000*	000D6	;TPAS\$ADDR			:
		U.138:	.LONG	<<SMG\$\$MASK_ADR-U.138>-4>	:
000001B2	000DA	;TPAS\$MASK			:
		U.139:	.LONG	434	:
FFFF	000DE	;TPAS\$TARGET			:
		U.140:	.WORD	-1	:
7111	000E0	;TPAS\$TYPE			:
		U.144:	.WORD	28945	:
00000000*	000E2	;TPAS\$ADDR			:
		U.145:	.LONG	<<SMG\$\$MASK_ADR-U.145>-4>	:
000001B3	000E6	;TPAS\$MASK			:
		U.146:	.LONG	435	:
FFFF	000EA	;TPAS\$TARGET			:
		U.147:	.WORD	-1	:
7112	000EC	;TPAS\$TYPE			:
		U.151:	.WORD	28946	:
00000000*	000EE	;TPAS\$ADDR			:
		U.152:	.LONG	<<SMG\$\$MASK_ADR-U.152>-4>	:
000001B4	000F2	;TPAS\$MASK			:
		U.153:	.LONG	436	:
FFFF	000F6	;TPAS\$TARGET			:
		U.154:	.WORD	-1	:
7113	000F8	;TPAS\$TYPE			:
		U.158:	.WORD	28947	:
00000000*	000FA	;TPAS\$ADDR			:
		U.159:	.LONG	<<SMG\$\$MASK_ADR-U.159>-4>	:
000001B5	000FE	;TPAS\$MASK			:
		U.160:	.LONG	437	:
FFFF	00102	;TPAS\$TARGET			:
		U.161:	.WORD	-1	:
7114	00104	;TPAS\$TYPE			:
		U.165:	.WORD	28948	:
00000000*	00106	;TPAS\$ADDR			:
		U.166:	.LONG	<<SMG\$\$MASK_ADR-U.166>-4>	:
000001B6	0010A	;TPAS\$MASK			:
		U.167:	.LONG	438	:
FFFF	0010E	;TPAS\$TARGET			:
		U.168:	.WORD	-1	:
7115	00110	;TPAS\$TYPE			:
		U.172:	.WORD	28949	:
00000000*	00112	;TPAS\$ADDR			:
		U.173:	.LONG	<<SMG\$\$MASK_ADR-U.173>-4>	:
000001B7	00116	;TPAS\$MASK			:
		U.174:	.LONG	439	:
FFFF	0011A	;TPAS\$TARGET			:
		U.175:	.WORD	-1	:
7116	0011C	;TPAS\$TYPE			:
		U.179:	.WORD	28950	:
00000000*	0011E	;TPAS\$ADDR			:


```
000001B8 00122 ; U.180: .LONG <<SMG$$MASK_ADR-U.180>-4> ;
; TP$MASK ; ;
FFFF 00126 ; U.181: .LONG 440 ;
; TP$TARGET ; ;
15F6 00128 ; U.182: .WORD -1 ;
; TP$TYPE ; ;
FFFE 0012A ; U.183: .WORD 5622 ;
; TP$TARGET ; ;
0012C ; U.184: .WORD -2 ;
; EQUALS_NUMERIC ; ;
99F8 0012C ; U.27: .BLKB 0 ;
; TP$TYPE ; ;
0000* 0012E ; U.186: .WORD -26120 ;
; TP$SUBEXP ; ;
00000000* 00130 ; U.187: .WORD <<U.3-U.187>-2> ;
; TP$ACTION ; ;
0000* 00134 ; U.188: .LONG <<SMG$$NEXT_RECORD-U.188>-4> ;
; TP$TARGET ; ;
903D 00136 ; U.189: .WORD <<U.27-U.189>-2> ;
; TP$TYPE ; ;
00000000* 00138 ; U.190: .WORD -28611 ;
; TP$ACTION ; ;
0000* 0013C ; U.191: .LONG <<SMG$$STORE_CAP_MASK-U.191>-4> ;
; TP$TARGET ; ;
81F1 0013E ; U.193: .WORD <<U.192-U.193>-2> ;
; TP$TYPE ; ;
00000000* 00140 ; U.194: .WORD -32271 ;
; TP$ACTION ; ;
85ED 00144 ; U.195: .LONG <<SMG$$SYNTAX_ERROR-U.195>-4> ;
; TP$TYPE ; ;
00000000* 00146 ; U.196: .WORD -31251 ;
; TP$ACTION ; ;
0014A ; U.197: .LONG <<SMG$$SYNTAX_ERROR-U.197>-4> ;
; NUMERIC_CAP_VALUE ; ;
99F8 0014A ; U.192: .BLKB 0 ;
; TP$TYPE ; ;
0000* 0014C ; U.198: .WORD -26120 ;
; TP$SUBEXP ; ;
00000000* 0014E ; U.199: .WORD <<U.3-U.199>-2> ;
; TP$ACTION ; ;
0000* 00152 ; U.200: .LONG <<SMG$$NEXT_RECORD-U.200>-4> ;
; TP$TARGET ; ;
19F8 00154 ; U.201: .WORD <<U.192-U.201>-2> ;
; TP$TYPE ; ;
0000* 00156 ; U.202: .WORD 6648 ;
; TP$SUBEXP ; ;
0000* 00158 ; U.204: .WORD <<U.203-U.204>-2> ;
; TP$TARGET ; ;
81F1 0015A ; U.205: .WORD <<BEGIN_SCAN-U.205>-2> ;
; TP$TYPE ; ;
00000000* 0015C ; U.206: .WORD -32271 ;
; TP$ACTION ; ;
85ED 00160 ; U.207: .LONG <<SMG$$SYNTAX_ERROR-U.207>-4> ;
; TP$TYPE ; ;
00000000* 00162 ; U.208: .WORD -31251 ;
; TP$ACTION ; ;
; U.209: .LONG <<SMG$$SYNTAX_ERROR-U.20^>-4> ;
```

```

00166 ;NUMERIC_CAP
          U.203: .BLKB 0
91EF 00166 ;TPATYPE
          U.210: .WORD -28177
00000000* 00168 ;TPACTION
          U.211: .LONG <<SMG$$$SAVE_TOKEN_STRING-U.211>-4>
0000* 0016C ;TPATARGET
          U.212: .WORD <<U.203-U.212>-2>
99F8 0016E ;TPATYPE
          U.213: .WORD -26120
0000* 00170 ;TPASSUBEXP
          U.215: .WORD <<U.214-U.215>-2>
00000000* 00172 ;TPACTION
          U.216: .LONG <<CONVERT_NUMERIC-U.216>-4>
FFFF 00176 ;TPATARGET
          U.217: .WORD -1
99F8 0017E ;TPATYPE
          U.218: .WORD -26120
0000* 0017A ;TPASSUBEXP
          U.219: .WORD <<U.3-U.219>-2>
00000000* 0017C ;TPACTION
          U.220: .LONG <<CONVERT_NUMERIC-U.220>-4>
0000* 00180 ;TPATARGET
          U.222: .WORD <<U.221-U.222>-2>
85ED 00182 ;TPATYPE
          U.223: .WORD -31251
00000000* 00184 ;TPACTION
          U.224: .LONG <<SMG$$$SYNTAX_ERROR-U.224>-4>
          00188 ;COMMA
          U.214: .BLKB 0
902C 00188 ;TPATYPE
          U.225: .WORD -28628
00000000* 0018A ;TPACTION
          U.226: .LONG <<SMG$$$BLANKS_OFF-U.226>-4>
FFFF 0018E ;TPATARGET
          U.227: .WORD -1
91F2 00190 ;TPATYPE
          U.228: .WORD -28174
00000000* 00192 ;TPACTION
          U.229: .LONG <<SMG$$$BLANKS_OFF-U.229>-4>
0000* 00196 ;TPATARGET
          U.230: .WORD <<U.214-U.230>-2>
15F6 00198 ;TPATYPE
          U.231: .WORD 5622
FFFF 0019A ;TPATARGET
          U.232: .WORD -2
          0019C ;NEW RECORD
          U.22T: .BLKB 0
95F6 0019C ;TPATYPE
          U.233: .WORD -27146
00000000* 0019E ;TPACTION
          U.234: .LONG <<SMG$$$NEXT_RECORD-U.234>-4>
FFFF 001A2 ;TPATARGET
          U.235: .WORD -1

```

.PSECT _LIB\$KEY0\$,NOWRT, SHR, PIC,1

```

00000 SMG$$A_NUMERIC_KEYWDS::
          BLKB 0
00000 ;TPASKEY0
0000* 00000 U.1: .BLKB 0
          ;TPASKEY
0000* 00000 U.30: .WORD <U.29-U.1>
          ;TPASKEY
0000* 00002 U.35: .WORD <U.34-U.1>
          ;TPASKEY
0000* 00004 U.40: .WORD <U.39-U.1>
          ;TPASKEY
0000* 00006 U.45: .WORD <U.44-U.1>
          ;TPASKEY
0000* 00008 U.50: .WORD <U.49-U.1>
          ;TPASKEY
0000* 0000A U.56: .WORD <U.55-U.1>
          ;TPASKEY
0000* 0000C U.65: .WORD <U.64-U.1>
          ;TPASKEY
0000* 0000E U.72: .WORD <U.71-U.1>
          ;TPASKEY
0000* 00010 U.79: .WORD <U.78-U.1>
          ;TPASKEY
0000* 00012 U.86: .WORD <U.85-U.1>
          ;TPASKEY
0000* 00014 U.93: .WORD <U.92-U.1>
          ;TPASKEY
0000* 00016 U.100: .WORD <U.99-U.1>
          ;TPASKEY
0000* 00018 U.107: .WORD <U.106-U.1>
          ;TPASKEY
0000* 0001A U.114: .WORD <U.113-U.1>
          ;TPASKEY
0000* 0001C U.121: .WORD <U.120-U.1>
          ;TPASKEY
0000* 0001E U.128: .WORD <U.127-U.1>
          ;TPASKEY
0000* 00020 U.135: .WORD <U.134-U.1>
          ;TPASKEY
0000* 00022 U.142: .WORD <U.141-U.1>
          ;TPASKEY
0000* 00024 U.149: .WORD <U.148-U.1>
          ;TPASKEY
0000* 00026 U.156: .WORD <U.155-U.1>
          ;TPASKEY
0000* 00028 U.163: .WORD <U.162-U.1>
          ;TPASKEY
0000* 0002A U.170: .WORD <U.169-U.1>
          ;TPASKEY
0000* 0002C U.177: .WORD <U.176-U.1>

```

```

.EXTRN OTSSCVT TI_L, SMG$$BLANKS_OFF
.EXTRN SMG$$FLOSH_NUMERIC
.EXTRN SMG$$MISSING_END
.EXTRN SMG$$NEXT_RECORD
.EXTRN SMG$$SAVE_TOKEN_STRING
.EXTRN SMG$$STORE_CAP_MASK

```

.EXTRN SMG\$\$SYNTAX_ERROR
.EXTRN SMG\$ERRAT [IN, SMG\$MISTERNAM
.EXTRN SMG\$NOTNUMCAP, SMG\$SYNERR
.EXTRN SMG\$\$MASK_ADR, SMG\$\$CURRENT_LINE

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

0004 00000 CONVERT_NUMERIC:

52	00000000G	00	9E	00002	.WORD	Save R2	: 0313	
5E		08	C2	00009	MOVAB	LIB\$STOP, R2		
	54	AC	D5	0000C	SUBL2	#8, SP		
		4E	13	0000F	TSTL	84(AP)	: 0358	
	48	AC	D5	00011	BEQL	3\$		
		09	12	00014	TSTL	72(AP)	: 0372	
		09	12	00014	BNEQ	1\$		
	00000000G	00	9F	00016	PUSHAB	SMG\$MISTERNAM	: 0374	
62		01	FB	0001C	CALLS	#1, [IB\$STOP		
02	AE	010E	8F	B0	0001F	1\$: MOVW	#270, INPUT_STRING_DESC+2	: 0388
	6E	54	AC	B0	00025	MOVW	84(AP), INPUT_STRING_DESC	: 0390
04	AE	58	AC	D0	00029	MOVL	88(AP), INPUT_STRING_DESC+4	: 0391
		1C	AC	9F	0002E	PUSHAB	28(AP)	: 0393
		04	AE	9F	00031	PUSHAB	INPUT_STRING_DESC	
00000000G	00		02	FB	00034	CALLS	#2, OT\$SCVT_TI_L	
	17		50	E8	0003B	BLBS	STATUS, 2\$	
			50	DD	0003E	PUSHL	STATUS	: 0399
	7E	54	AC	7D	00040	MOVQ	84(AP), -(SP)	: 0397
		00000000G	00	DD	00044	PUSHL	SMG\$\$CURRENT_LINE	: 0396
			03	DD	0004A	PUSHL	#3	: 0395
		00000000G	00	9F	0004C	PUSHAB	SMG\$ERRAT LIN	
00000000G	62		06	FB	00052	CALLS	#6, [IB\$STOP	
	00		6C	FA	00055	2\$: CALLG	(AP), SMG\$\$FLUSH_NUMERIC	: 0401
		54	AC	7C	0005C	CLRQ	84(AP)	: 0412
	50		01	D0	0005F	3\$: MOVL	#1, R0	: 0415
			04	J0062	RET			: 0417

; Routine Size: 99 bytes, Routine Base: _SMG\$CODE + 0000

```

345 0418 1 %SBTTL 'NOT_NUMERIC - signal an unknown capability name'
346 0419 1 ROUTINE NOT_NUMERIC =
347 0420 1
348 0421 1 +-
349 0422 1 FUNCTIONAL DESCRIPTION:
350 0423 1
351 0424 1     We just found an unknown capability name.  It could be a misspelling
352 0425 1     or it could be a name misplaced under the wrong heading.  Signal an
353 0426 1     error.
354 0427 1
355 0428 1 CALLING SEQUENCE:
356 0429 1
357 0430 1     status = NOT_NUMERIC ()
358 0431 1
359 0432 1 FORMAL PARAMETERS:
360 0433 1
361 0434 1     NONE
362 0435 1
363 0436 1 IMPLICIT INPUTS:
364 0437 1
365 0438 1     AP     Points to TPARSE parameter block
366 0439 1
367 0440 1 IMPLICIT OUTPUTS:
368 0441 1
369 0442 1     NONE
370 0443 1
371 0444 1 COMPLETION STATUS:
372 0445 1
373 0446 1     SSS_NORMAL
374 0447 1
375 0448 1 SIDE EFFECTS:
376 0449 1
377 0450 1 --
378 0451 1
379 0452 2 BEGIN
380 0453 2 BUILTIN
381 0454 2 AP:
382 0455 2 MAP
383 0456 2 AP : REF BLOCK [,BYTE];
384 0457 2
385 0458 2 SIGNAL_STOP (SMG$ ERRAT LIN,
386 0459 2 3, .SMG$$CURRENT_LINE,
387 0460 2 .AP [TPASL_TOKENCNT],
388 0461 2 .AP [TPASL_TOKENPTR],
389 0462 2 SMG$_NOTNUMCAP)
390 0463 2
391 0464 1 END;                                ! end of routine NOT_NUMERIC

```

```

                                0000 0000 NOT_NUMERIC:
                                .WORD  Save nothing
7E 00000000G 00 9F 00002          PUSHAB SMG$ NOTNUMCAP
                                10 AC 7D 00008          MOVQ 16(AP), -(SP)
                                00000000G 00 DD 0000C          PUSHL SMG$$CURRENT_LINE

```

```

: 0419
: 0458
: 0460
: 0459

```

SMG\$NUMERIC_TAB TPARSE tables for numeric capabilities
1-003 NOT_NUMERIC - signal an unknown capability name

K 10
16-Sep-1984 01:08:25
14-Sep-1984 13:09:57

VAX-11 Bliss-32 V4.0-742
[SMGRTL.SRC]SMGNUMTAB.B32;1

Page 20
(5)

00000000G 00 00000000G 03 DD 00012
00 9F 00014
06 FB 0001A
04 00021

PUSHL #3
PUSHAB SMG\$ ERRAT LIN
CALLS #6, [IB\$STOP
RET

: 0458
:
:
:
: 0464

: Routine Size: 34 bytes, Routine Base: _SMG\$CODE + 0063

: 392 0465 1 !<BLF/PAGE>

SMG\$NUMERIC_TAB TPARSE tables for numeric capabilities
 1-003 NOT_NUMERIC - signal an unknown capability name

L 10
 16-Sep-1984 01:08:25
 14-Sep-1984 13:09:57

VAX-11 Bliss-32 V4.0-742
 [SMGRTL.SRC]SMGNUMTAB.B32;1

```

: 394      0466 1 END
: 395      0467 1
: 396      0468 0 ELUDOM
  
```

! End of module SMG\$TPARSE_TABLES

.EXTRN LIB\$STOP

PSECT SUMMARY

Name	Bytes	Attributes
_LIB\$KEY0\$	46	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_LIB\$STAT\$	420	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_LIB\$KEY1\$	253	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_SMG\$CODE	133	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	30	0	581	00:00.9
_\$255\$DUA28:[SMGRTL.OBJ]RTLLIB.L32;1	36	0	0	8	00:00.1
_\$255\$DUA28:[SMGRTL.OBJ]SMGLIB.L32;1	469	0	0	38	00:00.4
_\$255\$DUA28:[SMGRTL.OBJ]SMGTPALIB.L32;1	41	3	7	10	00:00.1
_\$255\$DUA28:[SYSLIB]TPAMAC.L32;1	42	30	71	14	00:00.1

COMMAND QUALIFIERS

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

```

: Size:          133 code + 719 data bytes
: Run Time:      00:29.1
: Elapsed Time: 01:17.9
: Lines/CPU Min: 965
: Lexemes/CPU-Min: 92540
: Memory Used: 178 pages
: Compilation Complete
  
```

This page contains a grid of 144 small, faint screenshots of system utility outputs. Each screenshot shows a terminal window with various data, including headers like 'SMGNUMTAB LIS', 'SMGMSGPTR LIS', 'SMGSCROLL LIS', 'SMGMISC LIS', 'SMGMSGTXT LIS', 'SMGPLTENC LIS', 'SMGPLTTEX LIS', 'SMGNUMPAR LIS', 'SMGPRINTP LIS', and 'SMGSIMTRM LIS'. The outputs consist of columns of text, some with bar charts or graphical elements, representing system status or diagnostic information.