


```

SSSSSSSS MM MM GGGGGGGG BBBB8888 000000 000000 TTTTTTTTTT AAAAAA BBBB8888
SSSSSSSS MM MM GGGGGGGG BBBB8888 000000 000000 TTTTTTTTTT AAAAAA BBBB8888
SS M M M M M M M M G G BB BB 00 00 00 00 TT AA AA BB BB
SS M M M M M M M M G G BB BB 00 00 00 00 TT AA AA BB BB
SS M M M M M M M M G G BB BB 00 00 00 00 TT AA AA BB BB
SS M M M M M M M M G G BB BB 00 00 00 00 TT AA AA BB BB
SSSSSS M M M M M M M M G G BBBB8888 00 00 00 00 TT AA AA BBBB8888
SSSSSS M M M M M M M M G G BBBB8888 00 00 00 00 TT AA AA BBBB8888
SS M M M M M M M M G G GGGGGG BB BB 00 00 00 00 TT AAAAAAAAAA BB BB
SS M M M M M M M M G G GGGGGG BB BB 00 00 00 00 TT AAAAAAAAAA BB BB
SS M M M M M M M M G G GG BB BB 00 00 00 00 TT AA AA BB BB
SS M M M M M M M M G G GG BB BB 00 00 00 00 TT AA AA BB BB
SSSSSSSS M M M M M M M M GGGGGG BBBB8888 000000 000000 TT AA AA BBBB8888
SSSSSSSS M M M M M M M M GGGGGG BBBB8888 000000 000000 TT AA AA BBBB8888

```

```

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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```

```
1 0001 0
2 0002 0 MODULE SMG$BOOLEAN TABLES( %TITLE 'TPARSE tables for Boolean capabilities'
3 0003 0 IDENT = '1-002' ! File: SMGBOOTAB.B32 Edit: PLL1002
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 **
32 0032 1 FACILITY: Screen Management
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This module contains the LIB$TPARSE state tables used to parse
37 0037 1 Boolean capabilities from an ascii TERMTABLE.TXT file.
38 0038 1
39 0039 1 ENVIRONMENT: User mode - AST reentrant
40 0040 1
41 0041 1 AUTHOR: P. Levesque CREATION DATE: 30-Jan-1984
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. PLL 30-Jan-1984
46 0046 1 1-002 - Allow comments on lines not terminated by a comma. PLL 15-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 NOT_BOOLEAN,          ! signal an unknown cap name
: 65      0064 1 STORE_BOOLEAN;      ! store a boolean cap value
: 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 by
: 74      0150 1 ! TERMTABLE routines
: 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 SMG$$BLANKS OFF,          ! turn off flag to process blanks
: 94      0170 1 SMG$$FLUSH_NUMERIC,      ! flush numeric value to data area
: 95      0171 1 SMG$$MISSING_END,          ! signal error
: 96      0172 1 SMG$$NEXT_RECORD,      ! get next record from TERMTABLE.TXT
: 97      0173 1 SMG$$STORE_CAP_MASK,    ! remember capability number
: 98      0174 1 SMG$$SYNTAX_ERROR;      ! signal syntax error
: 99      0175 1
: 100     0176 1 EXTERNAL
: 101     0177 1 SMG$_ERRLIN,          ! error at line n
: 102     0178 1 SMG$_ERRAT_LIN,        ! error in line n at 'x'
: 103     0179 1 SMG$_ILLVAL,          ! illegal value for Boolean
: 104     0180 1 SMG$_MISTERNAM,       ! missing terminal name
: 105     0181 1 SMG$_NOTBOOCAP,       ! not a boolean capability
: 106     0182 1 SMG$_SYNERR;          ! syntax error

```

SMG\$BOOLEAN_TAB TPARSE tables for Boolean capabilities
1-002 Declarations

D 10
16-Sep-1984 00:14:29
14-Sep-1984 13:09:38

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

```
: 107      0183  1  
: 108      0184  1  EXTERNAL  
: 109      0185  1          SMG$MASK_ADR,  
: 110      0186  1          SMG$CURRENT_LINE;  
: 111      0187  1  
: 112      0188  1  
: 113      0189  1  :  
: 114      0190  1  : OWN STORAGE :  
: 115      0191  1  :  
: 116      0192  1  :   NONE   :  
: 117      0193  1
```

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

```

119 0194 1 %SBTTL 'SMG$$BOOLEAN_TABLES - TPARSE tables for Boolean capabilities'
120 0195 1 !+
121 0196 1 ! FUNCTIONAL DESCRIPTION:
122 0197 1 !
123 0198 1 !     The following are the state tables used to parse Boolean
124 0199 1 !     capabilities in a terminal definition.
125 0200 1 !
126 0201 1 ! --
127 0202 1 !
128 0203 1 $INIT_STATE (SMG$$A_BOOLEAN_STATES, SMG$$A_BOOLEAN_KEYWDS);
129 0204 1 ! set up state tables, key words
130 0205 1 !
131 0206 1 !+
132 0207 1 ! Begin scanning loop. Look for the start of a capability.
133 0208 1 ! Skip over blanks and comments.
134 0209 1 ! -
135 0210 1 !
136 P 0211 1 $STATE (BEGIN_SCAN,
137 P 0212 1 ((END_OF_LINE), BEGIN_SCAN, SMG$$NEXT_RECORD),
138 P 0213 1 ('!' , BEGIN_SCAN, SMG$$NEXT_RECORD),
139 P 0214 1 ((CAPABILITY), BEGIN_SCAN, SMG$$BLANKS_OFF),
140 P 0215 1 (TPAS_LAMBDA, TPAS_EXIT)
141 0216 1 );
142 0217 1 !
143 0218 1 !+
144 0219 1 ! This state indicates the end of a line. A comment also signals the
145 0220 1 ! end of a line.
146 0221 1 ! -
147 0222 1 !
148 P 0223 1 $STATE (END_OF_LINE,
149 P 0224 1 (TPAS_EOS, TPAS_EXIT),
150 P 0225 1 ('!' , TPAS_EXIT),
151 P 0226 1 (TPAS_LAMBDA, TPAS_FAIL)
152 0227 1 );
153 0228 1 !
154 0229 1 !+
155 0230 1 ! Find the capability name and determine if it's one that we expect.
156 0231 1 ! The string up to the '=' sign should be the capability name.
157 0232 1 ! -
158 0233 1 !
159 P 0234 1 $STATE (CAPABILITY,
160 P 0235 1 ((BOOLEAN_NAME), EQUALS_BOOLEAN, SMG$$BLANKS_OFF),
161 P 0236 1 ('END', TPAS_FAIL),
162 P 0237 1 ('NUMERIC', TPAS_FAIL),
163 P 0238 1 ('STRING', TPAS_FAIL),
164 P 0239 1 ('BOOLEAN', BEGIN_SCAN),
165 P 0240 1 ('REQUIRE', TPAS_FAIL, SMG$$MISSING_END),
166 P 0241 1 ('NAME', TPAS_FAIL, SMG$$MISSING_END),
167 P 0242 1 (TPAS_SYMBOL, ., NOT_BOOLEAN)
168 0243 1 );
169 0244 1 !
170 0245 1 !+
171 0246 1 ! Check here for a boolean name.
172 0247 1 ! -
173 0248 1 !
174 P 0249 1 $STATE (BOOLEAN_NAME,
175 P 0250 1 ('ADVANCED_VIDEO', TPAS_EXIT, ., SMG$K_ADVANCED_VIDEO, SMG$$MASK_ADR),

```

```

176 P 0251 1 ('ANSI CRT' TPAS_EXIT, SMGSK_ANSI CRT, SMG$SMASK_ADR),
177 P 0252 1 ('AUTO-MARGIN' TPAS_EXIT, SMGSK_AUTO MARGIN, SMG$SMASK_ADR),
178 P 0253 1 ('BACKSPACE' TPAS_EXIT, SMGSK_BACKSPACE, SMG$SMASK_ADR),
179 P 0254 1 ('BLOCK MODE' TPAS_EXIT, SMGSK_BLOCK MODE, SMG$SMASK_ADR),
180 P 0255 1 ('CURSOR REPORT ANSI' TPAS_EXIT, SMGSK_CURSOR REPORT_ANSI, SMG$SMASK_ADR),
181 P 0256 1 ('DEC CRT' TPAS_EXIT, SMGSK_DEC CRT, SMG$SMASK_ADR),
182 P 0257 1 ('EDIT' TPAS_EXIT, SMGSK_EDIT, SMG$SMASK_ADR),
183 P 0258 1 ('EIGHT BIT' TPAS_EXIT, SMGSK_EIGHT_BIT, SMG$SMASK_ADR),
184 P 0259 1 ('FOLDDUP' TPAS_EXIT, SMGSK_FOLDDUP, SMG$SMASK_ADR),
185 P 0260 1 ('IGNORE NEWLINE' TPAS_EXIT, SMGSK_IGNORE NEWLINE, SMG$SMASK_ADR),
186 P 0261 1 ('INSERT MODE NULLS' TPAS_EXIT, SMGSK_INSERT MODE NULLS, SMG$SMASK_ADR),
187 P 0262 1 ('LOWERCASE' TPAS_EXIT, SMGSK_LOWERCASE, SMG$SMASK_ADR),
188 P 0263 1 ('NO ERASE' TPAS_EXIT, SMGSK_NO ERASE, SMG$SMASK_ADR),
189 P 0264 1 ('NO SCROLL' TPAS_EXIT, SMGSK_NO SCROLL, SMG$SMASK_ADR),
190 P 0265 1 ('OVERSTRIKE' TPAS_EXIT, SMGSK_OVERSTRIKE, SMG$SMASK_ADR),
191 P 0266 1 ('PRINTER PORT' TPAS_EXIT, SMGSK_PRINTER PORT, SMG$SMASK_ADR),
192 P 0267 1 ('REGIS' TPAS_EXIT, SMGSK_REGIS, SMG$SMASK_ADR),
193 P 0268 1 ('SCOPE' TPAS_EXIT, SMGSK_SCOPE, SMG$SMASK_ADR),
194 P 0269 1 ('SIXEL GRAPHICS' TPAS_EXIT, SMGSK_SIXEL GRAPHICS, SMG$SMASK_ADR),
195 P 0270 1 ('SOFT CHARACTERS' TPAS_EXIT, SMGSK_SOFT CHARACTERS, SMG$SMASK_ADR),
196 P 0271 1 ('PHYSICAL TABS' TPAS_EXIT, SMGSK_PHYSICAL TABS, SMG$SMASK_ADR),
197 P 0272 1 ('PHYSICAL_FF' TPAS_EXIT, SMGSK_PHYSICAL_FF, SMG$SMASK_ADR),
198 P 0273 1 ('UNDERLINE' TPAS_EXIT, SMGSK_UNDERLINE, SMG$SMASK_ADR),
199 P 0274 1 ('PRIVATE_BOO_1' TPAS_EXIT, SMGSK_PRIVATE_BOO_1, SMG$SMASK_ADR),
200 P 0275 1 ('PRIVATE_BOO_2' TPAS_EXIT, SMGSK_PRIVATE_BOO_2, SMG$SMASK_ADR),
201 P 0276 1 ('PRIVATE_BOO_3' TPAS_EXIT, SMGSK_PRIVATE_BOO_3, SMG$SMASK_ADR),
202 P 0277 1 ('PRIVATE_BOO_4' TPAS_EXIT, SMGSK_PRIVATE_BOO_4, SMG$SMASK_ADR),
203 P 0278 1 ('PRIVATE_BOO_5' TPAS_EXIT, SMGSK_PRIVATE_BOO_5, SMG$SMASK_ADR),
204 P 0279 1 ('PRIVATE_BOO_6' TPAS_EXIT, SMGSK_PRIVATE_BOO_6, SMG$SMASK_ADR),
205 P 0280 1 ('PRIVATE_BOO_7' TPAS_EXIT, SMGSK_PRIVATE_BOO_7, SMG$SMASK_ADR),
206 P 0281 1 ('PRIVATE_BOO_8' TPAS_EXIT, SMGSK_PRIVATE_BOO_8, SMG$SMASK_ADR),
207 P 0282 1 ('PRIVATE_BOO_9' TPAS_EXIT, SMGSK_PRIVATE_BOO_9, SMG$SMASK_ADR),
208 P 0283 1 ('PRIVATE_BOO_10' TPAS_EXIT, SMGSK_PRIVATE_BOO_10, SMG$SMASK_ADR),
209 P 0284 1 (TPAS_LAMBDA, TPAS_FAIL)
210 P 0285 1 );
211 P 0286 1 );
212 P 0287 1 );
213 P 0288 1 !+ Found a boolean name, now look for a boolean value. Skip over the
214 P 0289 1 !- intervening equals sign.
215 P 0290 1 );
216 P 0291 1 );
217 P 0292 1 $STATE (EQUALS_BOOLEAN,
218 P 0293 1 ((END_OF_LINE), EQUALS_BOOLEAN, SMG$NEXT_RECORD),
219 P 0294 1 ('='_BOOLEAN_CAP_VALUE, SMG$STORE_CAP_MASK),
220 P 0295 1 (TPAS_SYMBOL, SMG$SYNTAX_ERROR),
221 P 0296 1 (TPAS_ANY, SMG$SYNTAX_ERROR)
222 P 0297 1 );
223 P 0298 1 );
224 P 0299 1 );
225 P 0300 1 !+ Get the value. This is a boolean capability, so it better have a boolean
226 P 0301 1 !- value.
227 P 0302 1 );
228 P 0303 1 );
229 P 0304 1 $STATE (BOOLEAN_CAP_VALUE,
230 P 0305 1 ((END_OF_LINE),_BOOLEAN_CAP_VALUE, SMG$NEXT_RECORD),
231 P 0306 1 ((BOOLEAN_CAP), BEGIN_SCAN),
232 P 0307 1 (TPAS_SYMBOL, SMG$SYNTAX_ERROR),

```

```
233 P 0308 1 (TPAS_ANY, , SMG$$SYNTAX_ERROR)
234 0309 1 );
235 0310 1
236 0311 1 !+
237 0312 1 ! The only acceptable values for a boolean are 0 and 1.
238 0313 1 !-
239 0314 1
240 P 0315 1 $STATE (BOOLEAN CAP,
241 P 0316 1 (TPAS_DECIMAL, COMMA, STORE_BOOLEAN),
242 P 0317 1 (TPAS_LAMBDA, TPAS_FAIL)
243 0318 1 );
244 0319 1
245 P 0320 1 $STATE (COMMA
246 P 0321 1 (' ', TPAS_EXIT, SMG$$BLANKS OFF),
247 P 0322 1 (TPAS_BLANK, COMMA, SMG$$BLANKS OFF),
248 P 0323 1 ((END_OF_LINE), TPAS_EXIT, SMG$$NEXT_RECORD),
249 P 0324 1 (TPAS_ANY, , SMG$$SYNTAX_ERROR)
250 0325 1 );
251 0326 1
```

```

253 0327 1 %SBTTL 'NOT_BOOLEAN - signal an unknown capability name'
254 0328 1 ROUTINE NOT_BOOLEAN =
255 0329 1
256 0330 1 !++
257 0331 1 FUNCTIONAL DESCRIPTION:
258 0332 1
259 0333 1     We just found a name that isn't boolean.  It could be a misspelling
260 0334 1     or it could be a capability misplaced under the wrong heading.
261 0335 1     Signal an error.
262 0336 1
263 0337 1 CALLING SEQUENCE:
264 0338 1
265 0339 1
266 0340 1     status = NOT_BOOLEAN ()
267 0341 1
268 0342 1 FORMAL PARAMETERS:
269 0343 1
270 0344 1     NONE
271 0345 1
272 0346 1 IMPLICIT INPUTS:
273 0347 1
274 0348 1     AP     Points to TPARSE parameter block
275 0349 1
276 0350 1 IMPLICIT OUTPUTS:
277 0351 1
278 0352 1     NONE
279 0353 1
280 0354 1 COMPLETION STATUS:
281 0355 1
282 0356 1     SS$_NORMAL
283 0357 1
284 0358 1 SIDE EFFECTS:
285 0359 1
286 0360 1 --
287 0361 1
288 0362 2 BEGIN
289 0363 2 BUILTIN
290 0364 2 AP;
291 0365 2 MAP
292 0366 2 AP : REF BLOCK [,BYTE];
293 0367 2
294 0368 2 SIGNAL_STOP (SMG$ ERRAT LIN,
295 0369 2 3, .SMG$$CURRENT LINE,
296 0370 2 .AP [TPASL_TOKENCNT],
297 0371 2 .AP [TPASL_TOKENPTR],
298 0372 2 SMG$_NOTBOOCAP)
299 0373 1 END; ! end of routine NOT_BOOLEAN

```

.TITLE SMG\$BOOLEAN_TABLES TPARSE tables for Boolean ca
pabilities

.IDENT \1-002\

.PSECT _LIB\$KEY1\$,NOWRT, SHR, PIC,1

00000 ;TPASKEYSTO
U.29: .BLKB 0


```

FF 00170 ;TPASKEYSTO .BYTE -1
00171 U.260: .BLKB 0
35 5F 4F 4F 42 5F 45 54 41 56 49 50 00171 ;TPASKEYSTO
U.262: .ASCII \PRIVATE_800_5\
FF 0017E ;TPASKEYSTO .BYTE -1
0017F U.267: .BLKB 0
36 5F 4F 4F 42 5F 45 54 41 56 49 52 50 0017F ;TPASKEYSTO
U.269: .ASCII \PRIVATE_800_6\
FF 0018C ;TPASKEYSTO .BYTE -1
0018D U.274: .BLKB 0
37 5F 4F 4F 42 5F 45 54 41 56 49 52 50 0018D ;TPASKEYSTO
U.276: .ASCII \PRIVATE_800_7\
FF 0019A ;TPASKEYSTO .BYTE -1
0019B U.281: .BLKB 0
38 5F 4F 4F 42 5F 45 54 41 56 49 52 50 0019B ;TPASKEYSTO
U.283: .ASCII \PRIVATE_800_8\
FF 001A8 ;TPASKEYSTO .BYTE -1
001A9 U.288: .BLKB 0
39 5F 4F 4F 42 5F 45 54 41 56 49 52 50 001A9 ;TPASKEYSTO
U.290: .ASCII \PRIVATE_800_9\
FF 001B6 ;TPASKEYSTO .BYTE -1
001B7 U.295: .BLKB 0
30 31 5F 4F 4F 42 5F 45 54 41 56 49 52 50 001B7 ;TPASKEYSTO
U.297: .ASCII \PRIVATE_800_10\
FF 001C5 ;TPASKEYFILL .BYTE -1
FF 001C6 U.304: .BYTE -1

.PSECT _LIB$STATES,NOWRT, SHR, PIC,1
0000 SMG$A_BOOLEAN_STATES::
.BLKB 0
0000 BEGIN_SCAN:
.BLKB 0
99F8 0000 ;TPASTYPE .WORD -26120
0000* 00002 ;TPASSUBEXP .WORD <<U.3-U.4>-2>
00000000* 00004 ;TPASACTION .LONG <<SMG$$NEXT_RECORD-U.5>-4>
0000* 00008 ;TPASTARGET .WORD <<BEGIN_SCAN-U.6>-2>
9021 0000A ;TPASTYPE .WORD -28639
00000000* 0000C ;TPASACTION .LONG <<SMG$$NEXT_RECORD-U.8>-4>
0000* 00010 ;TPASTARGET .WORD <<BEGIN_SCAN-U.9>-2>
99F8 00012 ;TPASTYPE .WORD -26120
0000* 00014 ;TPASSUBEXP

```

00000000*	00016	U.12: .WORD	<<U.11-U.12>-2>	:
		:TPASACTION		
0000*	0001A	U.13: .LONG	<<SMG\$\$BLANKS_OFF-U.13>-4>	:
		:TPASTARGET		
15F6	0001C	U.14: .WORD	<<BEGIN_SCAN-U.14>-2>	:
		:TPASTYPE		
FFFF	0001E	U.15: .WORD	5622	:
		:TPASTARGET		
	00020	U.16: .WORD	-1	:
		:END_OF_LINE		
11F7	00020	U.3: .BLKB	0	:
		:TPASTYPE		
FFFF	00022	U.17: .WORD	4599	:
		:TPASTARGET		
1021	00024	U.18: .WORD	-1	:
		:TPASTYPE		
FFFF	00026	U.19: .WORD	4129	:
		:TPASTARGET		
15F6	00028	U.20: .WORD	-1	:
		:TPASTYPE		
FFFE	0002A	U.21: .WORD	5622	:
		:TPASTARGET		
	0002C	U.22: .WORD	-2	:
		:CAPABILITY		
99F8	0002C	U.11: .BLKB	0	:
		:TPASTYPE		
0000*	0002E	U.23: .WORD	-26120	:
		:TPASSUBEXP		
00000000*	00030	U.25: .WORD	<<U.24-U.25>-2>	:
		:TPASACTION		
0000*	00034	U.26: .LONG	<<SMG\$\$BLANKS_OFF-U.26>-4>	:
		:TPASTARGET		
1100	00036	U.28: .WORD	<<U.27-U.28>-2>	:
		:TPASTYPE		
FFFE	00038	U.32: .WORD	4352	:
		:TPASTARGET		
1101	0003A	U.33: .WORD	-2	:
		:TPASTYPE		
FFFE	0003C	U.37: .WORD	4353	:
		:TPASTARGET		
1102	0003E	U.38: .WORD	-2	:
		:TPASTYPE		
FFFE	00040	U.42: .WORD	4354	:
		:TPASTARGET		
1103	00042	U.43: .WORD	-2	:
		:TPASTYPE		
0000*	00044	U.47: .WORD	4355	:
		:TPASTARGET		
9104	00046	U.48: .WORD	<<BEGIN_SCAN-U.48>-2>	:
		:TPASTYPE		
00000000*	00048	U.52: .WORD	-28412	:
		:TPASACTION		
FFFE	0004C	U.53: .LONG	<<SMG\$\$MISSING_END-U.53>-4>	:
		:TPASTARGET		
9105	0004E	U.54: .WORD	-2	:
		: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	:
00000000*	00058	:TPASACTION			:
		U.62:	.LONG	<<NOT_BOOLEAN-U.62>-4>	:
	0005C	:BOOLEAN_NAME			:
		U.24:	.BLKB	0	:
7106	0005C	:TPASTYPE			:
		U.67:	.WORD	28934	:
00000000*	0005E	:TPASADDR			:
		U.68:	.LONG	<<SMG\$MASK_ADR-U.68>-4>	:
00000001	00062	:TPASMASK			:
		U.69:	.LONG	1	:
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>	:
00000002	0006E	:TPASMASK			:
		U.76:	.LONG	2	:
FFFF	00072	:TPASTARGET			:
		U.77:	.WORD	-1	:
7108	00074	:TPASTYPE			:
		U.81:	.WORD	28936	:
00000000*	00076	:TPASADDR			:
		U.82:	.LONG	<<SMG\$MASK_ADR-U.82>-4>	:
00000003	0007A	:TPASMASK			:
		U.83:	.LONG	3	:
FFFF	0007E	:TPASTARGET			:
		U.84:	.WORD	-1	:
7109	00080	:TPASTYPE			:
		U.88:	.WORD	28937	:
00000000*	00082	:TPASADDR			:
		U.89:	.LONG	<<SMG\$MASK_ADR-U.89>-4>	:
00000004	00086	:TPASMASK			:
		U.90:	.LONG	4	:
FFFF	0008A	:TPASTARGET			:
		U.91:	.WORD	-1	:
710A	0008C	:TPASTYPE			:
		U.95:	.WORD	28938	:
00000000*	0008E	:TPASADDR			:
		U.96:	.LONG	<<SMG\$MASK_ADR-U.96>-4>	:
00000005	00092	:TPASMASK			:
		U.97:	.LONG	5	:
FFFF	00096	:TPASTARGET			:
		U.98:	.WORD	-1	:
710B	00098	:TPASTYPE			:
		U.102:	.WORD	28939	:
00000000*	0009A	:TPASADDR			:
		U.103:	.LONG	<<SMG\$MASK_ADR-U.103>-4>	:
00000018	0009E	:TPASMASK			:
		U.104:	.LONG	24	:
FFFF	000A2	:TPASTARGET			:

710C	000A4	U.105: .WORD	-1	:
		:TPASTYPE		:
00000000*	000A6	U.109: .WORD	28940	:
		:TPASADDR		:
00000006	000AA	U.110: .LONG	<<SMG\$SMASK_ADR-U.110>-4>	:
		:TPASMASK		:
FFFF	000AE	U.111: .LONG	6	:
		:TPASTARGET		:
710D	000B0	U.112: .WORD	-1	:
		:TPASTYPE		:
00000000*	000B2	U.116: .WORD	28941	:
		:TPASADDR		:
00000007	000B6	U.117: .LONG	<<SMG\$SMASK_ADR-U.117>-4>	:
		:TPASMASK		:
FFFF	000BA	U.118: .LONG	7	:
		:TPASTARGET		:
710E	000BC	U.119: .WORD	-1	:
		:TPASTYPE		:
00000000*	000BE	U.123: .WORD	28942	:
		:TPASADDR		:
00000008	000C2	U.124: .LONG	<<SMG\$SMASK_ADR-U.124>-4>	:
		:TPASMASK		:
FFFF	000C6	U.125: .LONG	8	:
		:TPASTARGET		:
710F	000C8	U.126: .WORD	-1	:
		:TPASTYPE		:
00000000*	000CA	U.130: .WORD	28943	:
		:TPASADDR		:
00000009	000CE	U.131: .LONG	<<SMG\$SMASK_ADR-U.131>-4>	:
		:TPASMASK		:
FFFF	000D2	U.132: .LONG	9	:
		:TPASTARGET		:
7110	000D4	U.133: .WORD	-1	:
		:TPASTYPE		:
00000000*	000D6	U.137: .WORD	28944	:
		:TPASADDR		:
0000000A	000DA	U.138: .LONG	<<SMG\$SMASK_ADR-U.138>-4>	:
		:TPASMASK		:
FFFF	000DE	U.139: .LONG	10	:
		:TPASTARGET		:
7111	000E0	U.140: .WORD	-1	:
		:TPASTYPE		:
00000000*	000E2	U.144: .WORD	28945	:
		:TPASADDR		:
0000000B	000E6	U.145: .LONG	<<SMG\$SMASK_ADR-U.145>-4>	:
		:TPASMASK		:
FFFF	000EA	U.146: .LONG	11	:
		:TPASTARGET		:
7112	000EC	U.147: .WORD	-1	:
		:TPASTYPE		:
00000000*	000EE	U.151: .WORD	28946	:
		:TPASADDR		:
0000000C	000F2	U.152: .LONG	<<SMG\$SMASK_ADR-U.152>-4>	:
		:TPASMASK		:
FFFF	000F6	U.153: .LONG	12	:
		:TPASTARGET		:
		U.154: .WORD	-1	:

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7113	000F8	:TPASTYPE			
		U.158:	.WORD	28947	:
00000000*	000FA	:TPASADDR			:
		U.159:	.LONG	<<SMG\$SMASK_ADR-U.159>-4>	:
0000000D	000FE	:TPASMASK			:
		U.160:	.LONG	13	:
FFFF	00102	:TPASTARGET			:
		U.161:	.WORD	-1	:
7114	00104	:TPASTYPE			:
		U.165:	.WORD	28948	:
00000000*	00106	:TPASADDR			:
		U.166:	.LONG	<<SMG\$SMASK_ADR-U.166>-4>	:
0000000E	0010A	:TPASMASK			:
		U.167:	.LONG	14	:
FFFF	0010E	:TPASTARGET			:
		U.168:	.WORD	-1	:
7115	00110	:TPASTYPE			:
		U.172:	.WORD	28949	:
00000000*	00112	:TPASADDR			:
		U.173:	.LONG	<<SMG\$SMASK_ADR-U.173>-4>	:
0000000F	00116	:TPASMASK			:
		U.174:	.LONG	15	:
FFFF	0011A	:TPASTARGET			:
		U.175:	.WORD	-1	:
7116	0011C	:TPASTYPE			:
		U.179:	.WORD	28950	:
00000000*	0011E	:TPASADDR			:
		U.180:	.LONG	<<SMG\$SMASK_ADR-U.180>-4>	:
00000010	00122	:TPASMASK			:
		U.181:	.LONG	16	:
FFFF	00126	:TPASTARGET			:
		U.182:	.WORD	-1	:
7117	00128	:TPASTYPE			:
		U.186:	.WORD	28951	:
00000000*	0012A	:TPASADDR			:
		U.187:	.LONG	<<SMG\$SMASK_ADR-U.187>-4>	:
00000011	0012E	:TPASMASK			:
		U.188:	.LONG	17	:
FFFF	00132	:TPASTARGET			:
		U.189:	.WORD	-1	:
7118	00134	:TPASTYPE			:
		U.193:	.WORD	28952	:
00000000*	00136	:TPASADDR			:
		U.194:	.LONG	<<SMG\$SMASK_ADR-U.194>-4>	:
00000012	0013A	:TPASMASK			:
		U.195:	.LONG	18	:
FFFF	0013E	:TPASTARGET			:
		U.196:	.WORD	-1	:
7119	00140	:TPASTYPE			:
		U.200:	.WORD	28953	:
00000000*	00142	:TPASADDR			:
		U.201:	.LONG	<<SMG\$SMASK_ADR-U.201>-4>	:
00000013	00146	:TPASMASK			:
		U.202:	.LONG	19	:
FFFF	0014A	:TPASTARGET			:
		U.203:	.WORD	-1	:
711A	0014C	:TPASTYPE			:

00000000*	0014E	U.207: .WORD	28954	:
		:TPASADDR		:
00000014	00152	U.208: .LONG	<<SMG\$SMASK_ADR-U.208>-4>	:
		:TPASMASK		:
FFFF	00156	U.209: .LONG	20	:
		:TPASTARGET		:
711B	00158	U.210: .WORD	-1	:
		:TPASTYPE		:
00000000*	0015A	U.214: .WORD	28955	:
		:TPASADDR		:
00000015	0015E	U.215: .LONG	<<SMG\$SMASK_ADR-U.215>-4>	:
		:TPASMASK		:
FFFF	00162	U.216: .LONG	21	:
		:TPASTARGET		:
711C	00164	U.217: .WORD	-1	:
		:TPASTYPE		:
00000000*	00166	U.221: .WORD	28956	:
		:TPASADDR		:
00000016	0016A	U.222: .LONG	<<SMG\$SMASK_ADR-U.222>-4>	:
		:TPASMASK		:
FFFF	0016E	U.223: .LONG	22	:
		:TPASTARGET		:
711D	00170	U.224: .WORD	-1	:
		:TPASTYPE		:
00000000*	00172	U.228: .WORD	28957	:
		:TPASADDR		:
00000017	00176	U.229: .LONG	<<SMG\$SMASK_ADR-U.229>-4>	:
		:TPASMASK		:
FFFF	0017A	U.230: .LONG	23	:
		:TPASTARGET		:
711E	0017C	U.231: .WORD	-1	:
		:TPASTYPE		:
00000000*	0017E	U.235: .WORD	28958	:
		:TPASADDR		:
000000D3	00182	U.236: .LONG	<<SMG\$SMASK_ADR-U.236>-4>	:
		:TPASMASK		:
FFFF	00186	U.237: .LONG	211	:
		:TPASTARGET		:
711F	00188	U.238: .WORD	-1	:
		:TPASTYPE		:
00000000*	0018A	U.242: .WORD	28959	:
		:TPASADDR		:
000000D4	0018E	U.243: .LONG	<<SMG\$SMASK_ADR-U.243>-4>	:
		:TPASMASK		:
FFFF	00192	U.244: .LONG	212	:
		:TPASTARGET		:
7120	00194	U.245: .WORD	-1	:
		:TPASTYPE		:
00000000*	00196	U.249: .WORD	28960	:
		:TPASADDR		:
000000D5	0019A	U.250: .LONG	<<SMG\$SMASK_ADR-U.250>-4>	:
		:TPASMASK		:
FFFF	0019E	U.251: .LONG	213	:
		:TPASTARGET		:
7121	001A0	U.252: .WORD	-1	:
		:TPASTYPE		:
		U.256: .WORD	28961	:

		U.303:	.WORD	-2	:
	001F8	:	EQUALS_BOOLEAN		:
		U.27:	.BLKB	0	:
	99F8	001F8	:TPASTYPE		:
		U.305:	.WORD	-26120	:
	0000*	001FA	:TPASSUBEXP		:
		U.306:	.WORD	<<U.3-U.306>-2>	:
	00000000*	001FC	:TPASACTION		:
		U.307:	.LONG	<<SMG\$\$NEXT_RECORD-U.307>-4>	:
	0000*	00200	:TPASTARGET		:
		U.308:	.WORD	<<U.27-U.308>-2>	:
	903D	00202	:TPASTYPE		:
		U.309:	.WORD	-28611	:
	00000000*	00204	:TPASACTION		:
		U.310:	.LONG	<<SMG\$\$\$STORE_CAP_MASK-U.310>-4>	:
	0000*	00208	:TPASTARGET		:
		U.312:	.WORD	<<U.311-U.312>-2>	:
	81F1	0020A	:TPASTYPE		:
		U.313:	.WORD	-32271	:
	00000000*	0020C	:TPASACTION		:
		U.314:	.LONG	<<SMG\$\$\$SYNTAX_ERROR-U.314>-4>	:
	85ED	00210	:TPASTYPE		:
		U.315:	.WORD	-31251	:
	00000000*	00212	:TPASACTION		:
		U.316:	.LONG	<<SMG\$\$\$SYNTAX_ERROR-U.316>-4>	:
		00216	:BOOLEAN_CAP VALUE		:
		U.311:	.BLKB	0	:
	99F8	00216	:TPASTYPE		:
		U.317:	.WORD	-26120	:
	0000*	00218	:TPASSUBEXP		:
		U.318:	.WORD	<<U.3-U.318>-2>	:
	00000000*	0021A	:TPASACTION		:
		U.319:	.LONG	<<SMG\$\$NEXT_RECORD-U.319>-4>	:
	0000*	0021E	:TPASTARGET		:
		U.320:	.WORD	<<U.311-U.320>-2>	:
	19F8	00220	:TPASTYPE		:
		U.321:	.WORD	6648	:
	0000*	00222	:TPASSUBEXP		:
		U.323:	.WORD	<<U.322-U.323>-2>	:
	0000*	00224	:TPASTARGET		:
		U.324:	.WORD	<<BEGIN_SCAN-U.324>-2>	:
	81F1	00226	:TPASTYPE		:
		U.325:	.WORD	-32271	:
	00000000*	00228	:TPASACTION		:
		U.326:	.LONG	<<SMG\$\$\$SYNTAX_ERROR-U.326>-4>	:
	85ED	0022C	:TPASTYPE		:
		U.327:	.WORD	-31251	:
	00000000*	0022E	:TPASACTION		:
		U.328:	.LONG	<<SMG\$\$\$SYNTAX_ERROR-U.328>-4>	:
		00232	:BOOLEAN_CAP		:
		U.322:	.BLKB	0	:
	91F3	00232	:TPASTYPE		:
		U.329:	.WORD	-28173	:
	00000000V	00234	:TPASACTION		:
		U.330:	.LONG	<<STORE_BOOLEAN-U.330>-4>	:
	0000*	00238	:TPASTARGET		:
		U.332:	.WORD	<<U.331-U.332>-2>	:

```
15F6 0023A ;TPASTYPE  
          U.333: .WORD 5622  
FFFE 0023C ;TPASTARGET  
          U.334: .WORD -2  
          0023E ;COMMA  
          U.331: .BLKB 0  
902C 0023E ;TPASTYPE  
          U.335: .WORD -28628  
00000000* 00240 ;TPASACTION  
          U.336: .LONG <<SMG$$BLANKS_OFF-U.336>-4>  
FFFF 00244 ;TPASTARGET  
          U.337: .WORD -1  
91F2 00246 ;TPASTYPE  
          U.338: .WORD -28174  
00000000* 00248 ;TPASACTION  
          U.339: .LONG <<SMG$$BLANKS_OFF-U.339>-4>  
0000* 0024C ;TPASTARGET  
          U.340: .WORD <<U.331-U.340>-2>  
99F8 0024E ;TPASTYPE  
          U.341: .WORD -26120  
0000* 00250 ;TPASSUBEXP  
          U.342: .WORD <<U.3-U.342>-2>  
00000000* 00252 ;TPASACTION  
          U.343: .LONG <<SMG$$NEXT_RECORD-U.343>-4>  
FFFF 00256 ;TPASTARGET  
          U.344: .WORD -1  
85ED 00258 ;TPASTYPE  
          U.345: .WORD -31251  
00000000* 0025A ;TPASACTION  
          U.346: .LONG <<SMG$$SYNTAX_ERROR-U.346>-4>
```

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

```
00000 SMG$$A_BOOLEAN_KEYWDS::  
          .BLKB 0  
00000 ;TPASKEY0  
          U.1: .BLKB 0  
0000* 00000 ;TPASKEY  
          U.30: .WORD <U.29-U.1>  
0000* 00002 ;TPASKEY  
          U.35: .WORD <U.34-U.1>  
0000* 00004 ;TPASKEY  
          U.40: .WORD <U.39-U.1>  
0000* 00006 ;TPASKEY  
          U.45: .WORD <U.44-U.1>  
0000* 00008 ;TPASKEY  
          U.50: .WORD <U.49-U.1>  
0000* 0000A ;TPASKEY  
          U.56: .WORD <U.55-U.1>  
0000* 0000C ;TPASKEY  
          U.65: .WORD <U.64-U.1>  
0000* 0000E ;TPASKEY  
          U.72: .WORD <U.71-U.1>  
0000* 00010 ;TPASKEY  
          U.79: .WORD <U.78-U.1>  
0000* 00012 ;TPASKEY  
          U.86: .WORD <U.85-U.1>
```


0000* 0004E U.289: .WORD <U.288-U.1>
 ;TPASKEY
 U.296: .WORD <U.295-U.1>

.EXTRN SMG\$\$BLANKS OFF
 .EXTRN SMG\$\$FLUSH_NUMERIC
 .EXTRN SMG\$\$MISSING_END
 .EXTRN SMG\$\$NEXT_RECORD
 .EXTRN SMG\$\$STORE_CAP_MASK
 .EXTRN SMG\$\$SYNTAX_ERROR
 .EXTRN SMG\$_ERRLIN, SMG\$_ERRAT_LIN
 .EXTRN SMG\$_ILLVAL, SMG\$_MISTERNAM
 .EXTRN SMG\$_NOTBOOCAP, SMG\$_SYNERR
 .EXTRN SMG\$\$MASK_ADR, SMG\$\$CURRENT_LINE

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

		0000	00000	NOT_BOOLEAN:		
				.WORD	Save nothing	: 0328
				PUSHAB	SMG\$ NOTBOOCAP	: 0368
7E	00000000G	00	9F 00002	MOVQ	16(AP), -(SP)	: 0370
	10	AC	7D 00008	PUSHL	SMG\$\$CURRENT_LINE	: 0369
	00000000G	00	DD 0000C	PUSHL	#3	: 0368
		03	DD 00012	PUSHAB	SMG\$ ERRAT LIN	
	00000000G	00	9F 00014	CALLS	#6, [IB\$STOP	
00000000G	00	06	FB 0001A	RET		: 0373
			04 00021			

; Routine Size: 34 bytes, Routine Base: _SMG\$CODE + 0000

		0000 00000 STORE_BOOLEAN:					
		1C	AC	D5 00002	.WORD	Save nothing	: 0375
			06	13 00005	TSTL	28(AP)	: 0415
	01	1C	AC	D1 00007	BEQL	1\$	
			0D	12 00008	CMP	28(AP), #1	: 0416
00000000G	00		6C	FA 0000D	BNEQ	2\$	
04	AC		01	88 00014	CALLG	(AP), SMG\$\$FLUSH_NUMERIC	: 0419
			1B	11 00018	BISB2	#1, 4(AP)	: 0421
		00000000G	00	9F 0001A	BRB	3\$: 0415
		00000000G	00	DD 07020	PUSHAB	SMG\$ ILLVAL	: 0424
			01	DD 00026	PUSHL	SMG\$\$CURRENT_LINE	: 0425
		00000000G	00	9F 00028	PUSHL	#1	: 0424
00000000G	00		04	FB 0002E	PUSHAB	SMG\$ ERRLIN	
	50		01	D0 00035	CALLS	#4, [IB\$STOP	
			04	00038	MOVL	#1, R0	: 0428
					RET		: 0430

; Routine Size: 57 bytes, Routine Base: _SMG\$CODE + 0022

; 358 0431 1 !<BLF/PAGE>

SMG\$BOOLEAN_TAB TPARSE tables for Boolean capabilities
1-002 STORE_BOOLEAN - store boolean value

L 11
16-Sep-1984 00:14:29 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 13:09:38 [SMGRTL.SRC]SMGBOOTAB.B32;1

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SMG
1-0

: 360 0432 1 END
: 361 0433 1
: 362 0434 0 ELUDOM

! End of module SMG\$BOOLEAN_TABLES

.EXTRN LIB\$STOP

PSECT SUMMARY

Name	Bytes	Attributes
_LIB\$KEYOS	80 NOVEC,NOWRT, RD	EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_LIB\$STATES	606 NOVEC,NOWRT, RD	EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_LIB\$KEY1\$	455 NOVEC,NOWRT, RD	EXE, SHR, LCL, REL, CON, PIC,ALIGN(1)
_SMG\$CODE	91 NOVEC,NOWRT, RD	EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Percent	Pages Mapped	Processing Time
	Total	Loaded			
_\$255\$DUA28:[SYSLIB]STARLET.L32:1	9776	41	0	581	00:01.0
_\$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	0	0	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\$:SMGBOOTAB/OBJ=OBJ\$:SMGBOOTAB MSRC\$:SMGBOOTAB/UPDATE=(ENH\$:SMGBOOTAB)

: Size: 91 code + 1141 data bytes
: Run Time: 00:39.9
: Elapsed Time: 01:49.8
: Lines/CPU Min: 653
: Lexemes/CPU-Min: 98583
: Memory Used: 215 pages
: Compilation Complete

