```
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
SSS            MMMMM     MMMMM    GGG           RRR      RRR        TTT         LLL
SSS            MMMMMM   MMMMMM    GGG           RRR      RRR        TTT         LLL
SSS            MMMMMM   MMMMMM    GGG           RRR      RRR        TTT         LLL
SSS            MMM  MMM MMM MMM   GGG           RRR      RRR        TTT         LLL
SSS            MMM   MMMMM   MMM  GGG           RRR      RRR        TTT         LLL
SSS            MMM    MMM    MMM  GGG           RRR      RRR        TTT         LLL
   SSSSSSSSS   MMM         MMM    GGG           RRRRRRRRRRRR        TTT         LLL
   SSSSSSSSS   MMM         MMM    GGG           RRRRRRRRRRRR        TTT         LLL
   SSSSSSSSS   MMM         MMM    GGG           RRRRRRRRRRRR        TTT         LLL
         SSS   MMM         MMM    GGG  GGGGGGGG RRR   RRR           TTT         LLL
         SSS   MMM         MMM    GGG  GGGGGGGG RRR   RRR           TTT         LLL
         SSS   MMM         MMM    GGG  GGGGGGGG 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
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGG      RRR       RRR      TTT   LLLLLLLLLLLLLLLL
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGG      RRR      RRR       TTT   LLLLLLLLLLLLLLLL
SSSSSSSSSSSS   MMM         MMM    GGGGGGGGG      RRR      RRR       TTT   LLLLLLLLLLLLLLLL
```

```
SSSSSSSS  MM      MM    GGGGGGGG  MM      MM    AAAAAA    PPPPPPPP  TTTTTTTTTT  RRRRRRRR  MM      MM
SSSSSSSS  MM      MM    GGGGGGGG  MM      MM     AAAAAA   PPPPPPPP  TTTTTTTTTT  RRRRRRRR  MM      MM
SS        MMMM  MMMM   GG         MMMM  MMMM   AA    AA   PP    PP      TT      RR    RR  MMMM  MMMM
SS        MM MM MM MM  GG         MM MM MM MM  AA    AA   PP    PP      TT      RR    RR  MM MM MM MM
SS        MM  MM  MM   GG         MM  MM  MM   AA    AA   PP    PP      TT      RR    RR  MM  MM  MM
SSSSSS    MM      MM   GG         MM      MM   AA    AA   PPPPPPPP      TT      RRRRRRRR  MM      MM
SSSSSS    MM      MM   GG         MM      MM   AA    AA   PPPPPPPP      TT      RRRRRRRR  MM      MM
      SS  MM      MM   GG  GGGGG  MM      MM   AAAAAAAAAA PP            TT      RR RR     MM      MM
      SS  MM      MM   GG  GGGGGG MM      MM   AA    AA   PP            TT      RR  RR    MM      MM
      SS  MM      MM   GG     GG  MM      MM   AA    AA   PP            TT      RR   RR   MM      MM
      SS  MM      MM   GG     GG  MM      MM   AA    AA   PP            TT      RR   RR   MM      MM
SSSSSSSS  MM      MM    GGGGGG    MM      MM   AA    AA   PP            TT      RR    RR  MM      MM
SSSSSSSS  MM      MM    GGGGGG    MM      MM   AA    AA   PP            TT      RR    RR  MM      MM
```

```
LL          IIIIII     SSSSSSSS
LL          IIIIII     SSSSSSSS
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  %TITLE 'SMG$MAP_TERM_TABLE - Map Termtable.exe as a global section'
    2   0002  0  MODULE SMG$MAP_TERM_TABLE (
    3   0003  0                  MAIN = SMG$MAP_TERM_TABLE,
    4   0004  0                  IDENT = '1-001' ! File: SMGMAPTRM.B32 Edit: PLL1001
    5   0005  0                  ) =
    6   0006  1  BEGIN
    7   0007  1
    8   0008  1  !*****************************************************************************
    9   0009  1  !*                                                                           *
   10   0010  1  !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
   11   0011  1  !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
   12   0012  1  !*  ALL RIGHTS RESERVED.                                                     *
   13   0013  1  !*                                                                           *
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   15   0015  1  !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE     *
   16   0016  1  !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER    *
   17   0017  1  !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY    *
   18   0018  1  !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY    *
   19   0019  1  !*  TRANSFERRED.                                                             *
   20   0020  1  !*                                                                           *
   21   0021  1  !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
   22   0022  1  !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
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   24   0024  1  !*                                                                           *
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   26   0026  1  !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
   27   0027  1  !*                                                                           *
   28   0028  1  !*                                                                           *
   29   0029  1  !*****************************************************************************
   30   0030  1  !
   31   0031  1
   32   0032  1  !++
   33   0033  1  ! FACILITY:      Screen Management
   34   0034  1  !
   35   0035  1  ! ABSTRACT:
   36   0036  1  !
   37   0037  1  !       This module maps TERMTABLE.EXE as a global section.
   38   0038  1  !
   39   0039  1  ! ENVIRONMENT:  User mode, Shared library routines.
   40   0040  1  !
   41   0041  1  ! AUTHOR: P. Levesque, CREATION DATE: 9-Nov-1983
   42   0042  1  !
   43   0043  1  ! MODIFIED BY:
   44   0044  1  !
   45   0045  1  ! 1-001 - Original.  PLL 9-Nov-1983
   46   0046  1  !--
```

```
   48        0047  1  %SBTTL 'Declarations'
   49        0048  1  ! SWITCHES:
   50        0049  1  !
   51        0050  1  !
   52        0051  1  !
   53        0052  1  !
   54        0053  1  ! LINKAGES:
   55        0054  1  !
   56        0055  1  !     NONE
   57        0056  1  !
   58        0057  1  ! INCLUDE FILES:
   59        0058  1  !
   60        0059  1  !
   61        0060  1  REQUIRE 'SRC$:SMGPROLOG';                ! defines psects, macros, etc.
   62        0138  1
   63        0139  1  LIBRARY 'RTLML:SMGTPALIB';               ! definitions for TERMTABLE
   64        0140  1  !
   65        0141  1  !
   66        0142  1  ! TABLE OF CONTENTS:
   67        0143  1  !
   68        0144  1  !
   69        0145  1  FORWARD ROUTINE
   70        0146  1
   71        0147  1      SMG$MAP_TERM_TABLE : NOVALUE;        ! map Termtable.exe as a global section
   72        0148  1
   73        0149  1  !
   74        0150  1  ! MACROS:
   75        0151  1  !
   76        0152  1  !
   77        0153  1  !
   78        0154  1  ! EQUATED SYMBOLS:
   79        0155  1  !
   80        0156  1  !
   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  ! STRUCTURES:
   91        0167  1  !
   92        0168  1
   93        0169  1  !
   94        0170  1  !
   95        0171  1  ! OWN STORAGE:
   96        0172  1  !
   97        0173  1  !
   98        0174  1  !     NONE
   99        0175  1  !
  100        0176  1  !
  101        0177  1  ! EXTERNAL REFERENCES:
  102        0178  1  !
  103        0179  1  EXTERNAL LITERAL
  104        0180  1      SMG$_GBLNOTCRE,                     ! global section not created
```

D 3

SMG$MAP_TERM_TA SMG$MAP_TERM_TABLE - Map Termtable.exe as a glo 16-Sep-1984 00:51:37   VAX-11 Bliss-32 V4.0-742   Page 3
1-001   Declarations   14-Sep-1984 13:09:53   [SMGRTL.SRC]SMGMAPTRM.B32;1   (2)

```
: 105        0181  1     SMG$_DELEXIGBL;                 ! delete existing global section
: 106        0182  1
```

E 3

SMG$MAP_TERM_TA SMG$MAP_TERM_TABLE - Map Termtable.exe as a glo 16-Sep-1984 00:51:37   VAX-11 Bliss-32 V4.0-742   Page 4
1-001   SMG$MAP_TERM_TABLE - Map Termtable.exe   14-Sep-1984 13:09:53   [SMGRTL.SRC]SMGMAPTRM.B32;1   (3)

```
108    0183  1  %SBTTL 'SMG$MAP_TERM_TABLE  - Map Termtable.exe'
109    0184  1  GLOBAL ROUTINE SMG$MAP_TERM_TABLE : NOVALUE =
110    0185  1  !++
111    0186  1  ! FUNCTIONAL DESCRIPTION:
112    0187  1  !
113    0188  1  !       This routine maps TERMTABLE.EXE as a global section.
114    0189  1  !
115    0190  1  !
116    0191  1  ! FORMAL PARAMETERS:
117    0192  1  !
118    0193  1  !     NONE
119    0194  1  !
120    0195  1  ! IMPLICIT INPUTS:
121    0196  1  !
122    0197  1  !     NONE
123    0198  1  !
124    0199  1  ! IMPLICIT OUTPUTS:
125    0200  1  !
126    0201  1  !     NONE
127    0202  1  !
128    0203  1  ! COMPLETION STATUS:
129    0204  1  !
130    0205  1  !       Errors from $OPEN, $CRMPSC may be signalled
131    0206  1  !       SMG$_GBLNOTCRE          global section not created
132    0207  1  !       SMG$_DELEXIGBL          delete existing global section and retry
133    0208  1  !
134    0209  1  ! SIDE EFFECTS:
135    0210  1  !
136    0211  1  !     NONE
137    0212  1  !--
138    0213  2    BEGIN
139    0214  2    LOCAL
140    0215  2        OPEN_STATUS,                          ! status retd by $OPEN
141    0216  2        MAP_STATUS,                           ! status retd by $CRMPSC
142    0217  2        REQ_ADDR : VECTOR [2] INITIAL (%X'200', %X'200'),
143    0218  2                                             ! input address to $CRMPSC
144    0219  2        ACTUAL_ADDR : VECTOR [2],             ! retd address from $CRMPSC
145    0220  2        GBL_NAME_DESC : BLOCK [8,BYTE], ! desc for global section name
146  P 0221  2        TERM_TAB_FAB : $FAB (FAC = GET, SHR = GET, FOP = UFO,
147    0222  2                             FNM = 'TERMTABLE.EXE');
148    0223  2                                             ! FAB for TERMTABLE.EXE
149    0224  2
150    0225  2  !+
151    0226  2  ! Open the file to get a channel.
152    0227  2  !-
153    0228  2
154    0229  3      IF NOT (OPEN_STATUS = $OPEN (FAB = TERM_TAB_FAB))
155    0230  2      THEN
156    0231  2          SIGNAL_STOP (.OPEN_STATUS, .TERM_TAB_FAB [FAB$L_STV]);
157    0232  2
158    0233  2  !+
159    0234  2  ! Map it as a global section.
160    0235  2  !-
161    0236  2
162    0237  2      GBL_NAME_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
163    0238  2      GBL_NAME_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
164    0239  2      GBL_NAME_DESC [DSC$W_LENGTH] = %CHARCOUNT ('SMG$TERMTABLE');
```

```
 165        0240  2          GBL_NAME_DESC [DSC$A_POINTER] = UPLIT ('SMG$TERMTABLE');
 166        0241  2
 167      P 0242  2          MAP_STATUS = $CRMPSC (INADR = REQ_ADDR,
 168      P 0243  2                                RETADR = ACTUAL_ADDR,
 169      P 0244  2                                FLAGS = SEC$M_GBL + SEC$M_EXPREG + SEC$M_PERM + SEC$M_SYSGBL,
 170      P 0245  2                                GSDNAM = GBL_NAME_DESC,
 171        0246  2                                CHAN = .TERM_TAB_FAB [FAB$L_STV]);
 172        0247  2    !+
 173        0248  2    ! We always want to create a new global section.  If there is already
 174        0249  2    ! a SMG$TERMTABLE global section, it will have to be deleted before we
 175        0250  2    ! can create a new one.
 176        0251  2    !
 177        0252  2    ! We can't delete the old section here because the deletion may not happen
 178        0253  2    ! right away.  (The section is marked for delete but doesn't disappear until
 179        0254  2    ! no processes are mapped to it.)
 180        0255  2    !-
 181        0256  2          IF .MAP_STATUS NEQ SS$_CREATED
 182        0257  2          THEN
 183        0258  2              SIGNAL (SMG$_GBLNOTCRE,0,SMG$_DELEXIGBL);
 184        0259  2
 185        0260  2
 186        0261  2    !+
 187        0262  2    ! Deallocate the channel.
 188        0263  2    !-
 189        0264  2
 190        0265  2          $DASSGN (CHAN = .TERM_TAB_FAB [FAB$L_STV]);
 191        0266  2
 192        0267  1          END;                                      ! end of SMG$MAP_TERM_TABLE


                                              .TITLE  SMG$MAP_TERM_TABLE SMG$MAP_TERM_TABLE - Map Ter
                                                       mtable.exe as a glo

                                              .IDENT  \1-001\

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

     45 58 45 2E 45 4C 42 41 54 4D 52 45 54  00000 P.AAA:  .ASCII  \TERMTABLE.EXE\          ;
                                              0000D         .BLKB   3
                                           03 00010 P.AAB:  .BYTE   3
                                           50 00011         .BYTE   80
                                         0000 00012         .WORD   0
                                     00020000 00014         .LONG   131072
                                     00000000 00018         .LONG   0
                                     00000000 0001C         .LONG   0
                                     00000000 00020         .LONG   0
                                         0000 00024         .WORD   0
                                           02 00026         .BYTE   2
                                           02 00027         .BYTE   2
                                     00000000 00028         .LONG   0
                                           00 0002C         .BYTE   0
                                           00 0002D         .BYTE   0
                                           00 0002E         .BYTE   0
                                           02 0002F         .BYTE   2
                                     00000000 00030         .LONG   0
                                     00000000 00034         .LONG   0
                                     00000000 00038         .LONG   0
                                    00000000' 0003C         .ADDRESS P.AAA
```

```
                                    00000000  00040          .LONG    0
                              0D    00044          .BYTE    13
                              00    00045          .BYTE    0
                            0000    00046          .WORD    0
                        00000000    00048          .LONG    0
                            0000    0004C          .WORD    0
                              00    0004E          .BYTE    0
                              00    0004F          .BYTE    0
                        00000000    00050          .LONG    0
                        00000000    00054          .LONG    0
                            0000    00058          .WORD    0
                              00    0005A          .BYTE    0
                              00    0005B          .BYTE    0
                        00000000    0005C          .LONG    0
00 00 45 4C 42 41 54 4D 52 45 54 24 47 4D 53      00060  P.AAC:  .ASCII   \SMG$TERMTABLE\<0><0><0>
                              00    0006F

                                                  .EXTRN   SMG$_GBLNOTCRE, SMG$_DELEXIGBL
                                                  .EXTRN   SYS$OPEN, SYS$CRMPSC
                                                  .EXTRN   SYS$DASSGN

                              003C  00000          .ENTRY   SMG$MAP_TERM_TABLE, Save R2,R3,R4,R5    ; 0184
                      5E      98    AE  9E 00002    MOVAB    -104(SP), SP
              60      AE    0200    8F  3C 00006    MOVZWL   #512, REQ_ADDR                          ; 0213
              64      AE    0200    8F  3C 0000C    MOVZWL   #512, REQ_ADDR+4
        6E      88    AF    0050    8F  28 00012    MOVC3    #80, P.AAB, TERM_TAB_FAB               ; 0222
                                    5E  DD 00019    PUSHL    SP
        00000000G     00          01  FB 0001B    CALLS    #1, SYS$OPEN                            ; 0229
                              0C          50 E8 00022    BLBS     OPEN_STATUS, 1$
                            0C    AE  DD 00025    PUSHL    TERM_TAB_FAB+12                         ; 0231
                                  50  DD 00028    PUSHL    OPEN_STATUS
        00000000G     00          02  FB 0002A    CALLS    #2, LIB$STOP
              50      AE 010E000D  8F  D0 00031 1$: MOVL    #17694733, GBL_NAME_DESC               ; 0239
              54      AE          B4  AF 9E 00039    MOVAB    P.AAC, GBL_NAME_DESC+4                 ; 0240
                                  7E  7C 0003E    CLRQ     -(SP)                                   ; 0246
                                  7E  7C 00040    CLRQ     -(SP)
                            1C    AE  DD 00042    PUSHL    TERM_TAB_FAB+12
                                  7E  7C 00045    CLRQ     -(SP)
                            6C    AE  9F 00047    PUSHAB   GBL_NAME_DESC
                      0002C001    8F  DD 0004A    PUSHL    #180225
                                  7E  D4 00050    CLRL     -(SP)
                            F0    AD  9F 00052    PUSHAB   ACTUAL_ADDR
                            F8    AD  9F 00055    PUSHAB   REQ_ADDR
        00000000G     00          0C  FB 00058    CALLS    #12, SYS$CRMPSC
        00000619      8F          50  D1 0005F    CMPL     MAP_STATUS, #1561                       ; 0256
                              15        13 00066    BEQL     2$
        00000000G             8F  DD 00068    PUSHL    #SMG$_DELEXIGBL                         ; 0258
                                  7E  D4 0006E    CLRL     -(SP)
        00000000G             8F  DD 00070    PUSHL    #SMG$_GBLNOTCRE
        00000000G     00          03  FB 00076    CALLS    #3, LIB$SIGNAL
                            0C    AE  DD 0007D 2$: PUSHL    TERM_TAB_FAB+12                         ; 0265
        00000000G     00          01  FB 00080    CALLS    #1, SYS$DASSGN
                                        04 00087    RET                                            ; 0267

; Routine Size:  136 bytes,    Routine Base:  _SMG$CODE + 0070
```

```
;  194            0268  1      END                                          ! end of module SMG$MAP_TERM_TABLE
;  195            0269  0      ELUDOM
```

;   .EXTRN LIB$SIGNAL, LIB$STOP

;   PSECT SUMMARY

;   Name   Bytes   Attributes

;   _SMG$CODE   248 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

;   Library Statistics

;   -------- Symbols --------   Pages   Processing
;   File   Total   Loaded   Percent   Mapped   Time

;   _255DUA28:[SYSLIB]STARLET.L32;1   9776   37   0   581   00:01.0
;   _255DUA28:[SMGRTL.OBJ]RTLLIB.L32;1   36   0   0   8   00:00.1
;   _255DUA28:[SMGRTL.OBJ]SMGLIB.L32;1 469   0   0   38   00:00.4
;   _255DUA28:[SMGRTL.OBJ]SMGTPALIB.L32;1
;   41   0   0   10   00:00.1

;   COMMAND QUALIFIERS

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

; Size: 136 code + 112 data bytes
; Run Time: 00:06.0
; Elapsed Time: 00:26.2
; Lines/CPU Min: 2703
; Lexemes/CPU-Min: 23226
; Memory Used: 75 pages
; Compilation Complete

SMGMINUPD
LIS

SMGMIN
LIS

SMGMAPTRM
LIS