BOOTS

```
SSSSSSSS   TTTTTTTTTT   AAAAAA     PPPPPPPP   UU      UU  TTTTTTTTTT  EEEEEEEEEE  RRRRRRRR    RRRRRRRR
SSSSSSSS   TTTTTTTTTT   AAAAAA     PPPPPPPP   UU      UU  TTTTTTTTTT  EEEEEEEEEE  RRRRRRRR    RRRRRRRR
SS             TT       AA    AA   PP    PP   UU      UU      TT      EE          RR    RR    RR    RR
SS             TT       AA    AA   PP    PP   UU      UU      TT      EE          RR    RR    RR    RR
SS             TT       AA    AA   PP    PP   UU      UU      TT      EE          RR    RR    RR    RR
SS             TT       AA    AA   PP    PP   UU      UU      TT      EE          RR    RR    RR    RR
  SSSSSS       TT       AA    AA   PPPPPPPP   UU      UU      TT      EEEEEEEE    RRRRRRR     RRRRRRRR
  SSSSSS       TT       AA    AA   PPPPPPPP   UU      UU      TT      EEEEEEEE    RRRRRRRR    RRRRRRRR
      SS       TT       AAAAAAAAAA  PP        UU      UU      TT      EE          RR  RR      RR  RR
      SS       TT       AAAAAAAAAA  PP        UU      UU      TT      EE          RR  RR      RR  RR
      SS       TT       AA    AA   PP        UU      UU      TT      EE          RR    RR    RR    RR
      SS       TT       AA    AA   PP        UU      UU      TT      EE          RR    RR    RR    RR       ....
SSSSSSSS       TT       AA    AA   PP        UUUUUUUUUU      TT      EEEEEEEEEE  RR    RR    RR    RR       ....
SSSSSSSS       TT       AA    AA   PP        UUUUUUUUUU      TT      EEEEEEEEEE  RR    RR    RR    RR       ....
                                                                                                         ....

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
LLLLLLLLL    IIIIII     SSSSSSSS
LLLLLLLLL    IIIIII     SSSSSSSS
```

STAPUTERR
V04-000

G 8
- ERROR ROUTINE FOR STASYSGEN, STACONFIG 16-SEP-1984 00:04:48 VAX/VMS Macro V04-00   Page 1
                                                4-SEP-1984 23:06:14 [BOOTS.SRC]STAPUTERR.MAR;1   (1)

```
000C     1                    .TITLE  STAPUTERR - ERROR ROUTINE FOR STASYSGEN, STACONFIG
0000     2                    .IDENT  'V04-000'
0000     3
0000     4      ;
0000     5      ;*****************************************************************************
0000     6      ;*                                                                           *
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0000    24      ;*                                                                           *
0000    25      ;*                                                                           *
0000    26      ;*****************************************************************************
0000    27      ;
0000    28
0000    29      ;++
0000    30      ; FACILITY:     STANDALONE SYSGEN, STANDALONE CONFIGURE
0000    31      ;
0000    32      ; ABSTRACT:     OUTPUTS ERROR MESSAGES.
0000    33      ;
0000    34      ; ENVIRONMENT: USER, EXEC, AND KERNEL MODE
0000    35      ;
0000    36      ; AUTHOR: STEVE BECKHARDT,     CREATION DATE: 18-SEP-1979
0000    37      ;
0000    38      ; MODIFIED BY:
0000    39      ;
0000    40      ;       V03-002 KDM0090         Kathleen D. Morse       01-Dec-1983
0000    41      ;               Make psect word-aligned.
0000    42      ;
0000    43      ;       V03-001 MSH0001         Maryann Hinden          07-Jul-1983
0000    44      ;               Move to separate module.
0000    45      ;--
```

```
                       0000      47              .SBTTL  DECLARATIONS
                       0000      48 ;
                       0000      49 ; INCLUDE FILES:
                       0000      50 ;
                       0000      51
                       0000      52 ;
                       0000      53 ; MACROS:
                       0000      54 ;
                       0000      55
                       0000      56 ;
                       0000      57 ; EQUATED SYMBOLS:
                       0000      58 ;
                       0000      59
            0000000D   0000      60 CR=^XD                              ; ASCII carriage return
            0000000A   0000      61 LF=^XA                              ; ASCII line feed
                       0000      62
                       0000      63 ;
                       0000      64 ; OWN STORAGE:
                       0000      65 ;
                       0000      66
            00000000   0000      67              .PSECT  BOO$SYSGEN,WRT,WORD
                       0000      68
                       0000      69 MSGBFR_DSC:                         ; Message buffer descriptor
            00000100'  0000      70              .LONG    MSGBFRSZ      ;  Size
            0000000F'  0004      71              .ADDRESS MSGBFR        ;  Address
                       0008      72
                       0008      73 FMSGBFR:                            ; Facility message buffer
4E 45 47 53 59 53 0A   0008      74              .ASCII  <LF>/SYSGEN/
            0000010F   000F      75 MSGBFR: .BLKB    256                ; Message buffer
            00000100   010F      76 MSGBFRSZ=.-MSGBFR
                       010F      77
            00000111   010F      78 MSGLEN: .BLKW    1                  ; Returned message length
                       0111      79
```

STAPUTERR
V04-000

I 8
- ERROR ROUTINE FOR STASYSGEN, STACONFIG 16-SEP-1984 00:04:48 VAX/VMS Macro V04-00   Page 3
PUTERROR - Output Error Message   4-SEP-1984 23:06:14 [BOOTS.SRC]STAPUTERR.MAR;1   (3)

```
                          0111      81              .SBTTL  PUTERROR - Output Error Message
                          0111      82  ;++
                          0111      83  ; FUNCTIONAL DESCRIPTION:
                          0111      84  ;
                          0111      85  ;       This routine outputs an error message for the status code
                          0111      86  ;       in R0.
                          0111      87  ;
                          0111      88  ; CALLING SEQUENCE:
                          0111      89  ;
                          0111      90  ;       BSBW    PUTERROR
                          0111      91  ;
                          0111      92  ; INPUT PARAMETERS:
                          0111      93  ;
                          0111      94  ;       R0      Status code
                          0111      95  ;
                          0111      96  ; OUTPUT PARAMETERS:
                          0111      97  ;
                          0111      98  ;       None
                          0111      99  ;--
                          0111     100
                          0111     101  PUTERROR::
                   50  D5 0111     102              TSTL    R0                              ; If zero, then return
                   30  13 0113     103              BEQL    90$
                          0115     104              $GETMSG_S       MSGID = R0,-            ; Get message text
                          0115     105                              MSGLEN = MSGLEN,- ; Message text length
                          0115     106                              BUFADR = MSGBFR_DSC,-   ; Message buffer descriptor
                          0115     107                              FLAGS = #7              ; Get everything but facility
        50   E3 AF   3C 0129     108              MOVZWL  MSGLEN,R0                       ; Get returned length
   FEDC CF40   0D   90 012D     109              MOVB    #CR,MSGBFR[R0]                  ; Put CR at end of buffer
        FED8 CF40   94 0133     110              CLRB    MSGBFR+1[R0]                    ; Make it ASCIZ
                   7E   7C 0138     111              CLRQ    -(SP)                           ; No input buffer
             FECA CF   9F 013A     112              PUSHAB  FMSGBFR                         ; Push address of facility msg bfr
   00000000'EF   03   FB 013E     113              CALLS   #3,BOO$READPROMPT               ; Output error message
                   05 0145     114  90$:         RSB
                          0146     115
                          0146     116              .END
```

```
BOO$READPROMPT    ********    X   01
CR               = 0000000D
FMSGBFR            00000008 R      01
LF               = 0000000A
MSGBFR             0000000F R      01
MSGBFRSZ         = 00000100
MSGBFR_DSC         00000000 R      01
MSGLEN             0000010F R      01
PUTERROR           00000111 RG     01
SYS$GETMSG         ******** GX     01
```

                              +-------------------+
                              ! Psect synopsis !
                              +-------------------+

PSECT name	Allocation	PSECT No.	Attributes										
. ABS .	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
BOO$SYSGEN	00000146 (326.)	01 (1.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC	WORD

                        +----------------------------+
                        ! Performance indicators !
                        +----------------------------+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.10	00:00:00.42
Command processing	133	00:00:00.73	00:00:03.12
Pass 1	121	00:00:00.67	00:00:03.12
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	40	00:00:00.26	00:00:00.88
Symbol table output	3	00:00:00.02	00:00:00.02
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	335	00:00:01.81	00:00:07.59

The working set limit was 1050 pages.
1627 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 10 non-local and 1 local symbols.
116 source lines were read in Pass 1, producing 11 object records in Pass 2.
2 pages of virtual memory were used to define 2 macros.

                        +------------------------------+
                        ! Macro library statistics !
                        +------------------------------+

Macro library name	Macros defined
_255DUA28:[BOOTS.OBJ]BOOTS.MLB;1	0
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[SYSLIB]STARLET.MLB;2	2
TOTALS (all libraries)	2

16 GETS were required to define 2 macros.

There were no errors, warnings or information messages.

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STAPUTERR   - ERROR ROUTINE FOR STASYSGEN, STACONFIG 16-SEP-1984 00:04:48 VAX/VMS Macro V04-00   Page 5
VAX-11 Macro Run Statistics   4-SEP-1984 23:06:14 [BOOTS.SRC]STAPUTERR.MAR;1   (3)

MACRO/LIS=LIS$:STAPUTERR/OBJ=OBJ$:STAPUTERR MSRC$:STAPUTERR/UPDATE=(ENH$:STAPUTERR)+EXECML$/LIB+LIB$:BOOTS.MLB/LIB

SYSBOOCMD
LIS

SHOWADAP
LIS

STANDCONF
LIS

SHODEV
LIS

STAPUTERR
LIS

STALOCK
LIS

STASGNMSG
LIS

STACONFIG
LIS

STASYSGEN
LIS

SYSBOOT
LIS

STARDRIV
LIS