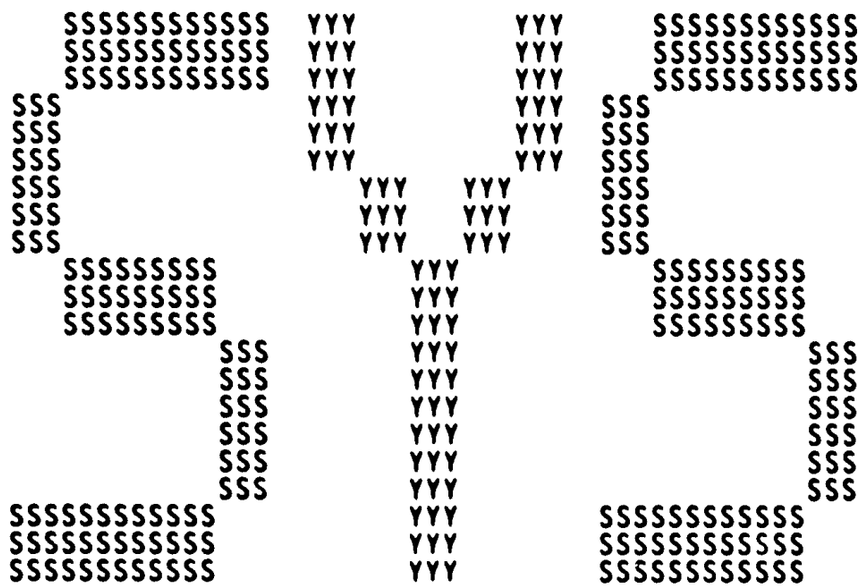

FILEID**BOOPARAM

BU
V0

```
BBBBBBBB      000000      000000    PPPPPPPP      AAAAAA    RRRRRRRR      AAAAAA    MM      MM
BBBBBBBB      000000      000000    PPPPPPPP      AAAAAA    RRRRRRRR      AAAAAA    MM      MM
BB      BB  00      00  00      00  PP      PP  AA      AA  RR      RR  AA      AA  MMMM  MMMM
BB      BB  00      00  00      00  PP      PP  AA      AA  RR      RR  AA      AA  MMMM  MMMM
BB      BB  00      00  00      00  PP      PP  AA      AA  RR      RR  AA      AA  MM  MM  MM
BB      BB  00      00  00      00  PP      PP  AA      AA  RR      RR  AA      AA  MM  MM  MM
BBBBBBBB    00      00  00      00  PPPPPPPP    AA      AA  RRRRRRRR    AA      AA  MM      MM
BBBBBBBB    00      00  00      00  PPPPPPPP    AA      AA  RRRRRRRR    AA      AA  MM      MM
BB      BB  00      00  00      00  PP          AAAAAAAAAA  RR  RR      AAAAAAAAAA  MM      MM
BB      BB  00      00  00      00  PP          AAAAAAAAAA  RR  RR      AAAAAAAAAA  MM      MM
BB      BB  00      00  00      00  PP          AA      AA  RR    RR    AA      AA  MM      MM      ....
BB      BB  00      00  00      00  PP          AA      AA  RR    RR    AA      AA  MM      MM      ....
BBBBBBBB      000000      000000    PP          AA      AA  RR      RR  AA      AA  MM      MM      ....
BBBBBBBB      000000      000000    PP          AA      AA  RR      RR  AA      AA  MM      MM      ....

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
```

Table of contents

```
0000     1          .TITLE  BOOPARAM        SYSBOOT parameter block definition
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:     System bootstrapping and initialization
0000    31  ;
0000    32  ; ABSTRACT:     Define interface between SYSBOOT and INIT for passing
0000    33  ;               bootstrap parameters.
0000    34  ;
0000    35  ; ENVIRONMENT:  This module is linked against SYSBOOT and against INIT; it
0000    36  ;               shares both of their environments.
0000    37  ;
0000    38  ; AUTHOR:  TRUDY MATTHEWS,      CREATION DATE: 07-Jan-1981
0000    39  ;
0000    40  ; MODIFIED BY:
0000    41  ;
0000    42  ;       V03-006 MMD0245         Meg Dumont,     27-Feb-1984  10:44
0000    43  ;               Add support for $MTACCESS installation specific accessibility
0000    44  ;               routine
0000    45  ;
0000    46  ;       V03-005 KTA3059         Kerbey T. Altmann       22-Jun-1983
0000    47  ;               Added BOO$GL_DEVNAME for boot device name.
0000    48  ;
0000    49  ;       V03-004 KDM0044         Kathleene D. Morse      03-May-1983
0000    50  ;               Added BOO$GL_FPEMUL and BOO$GL_VAXEMUL, for loadable
0000    51  ;               instruction emulation software.
0000    52  ;
0000    53  ;       V03-003 STJ3055         Steven T. Jeffreys      21-Jan-1983
0000    54  ;               Added BOO$GL_ERAPATLOA and BOO$GL_CHKPRTLOA for
0000    55  ;               loadable $ERAPAT and $CHKPRT.
0000    56  ;
0000    57  ;       V03-002 SRB0059         Steve Beckhardt         6-Jan-1983
```

```
0000     58 ;                  Added entry for cluster loadable code.
0000     59 ;
0000     60 ;       V03-001 KTA3022         Kerbey T. Altmann       30-Dec-1982
0000     61 ;                  Add entry for boot system node name.
0000     62 ;
0000     63 ; Equated Symbols:
0000     64 ;
```

```
                     0000     66          .SBTTL  parameters
                     0000     67 ;++
                     0000     68 ; This module reserves storage for bootstrap parameters to be passed from
                     0000     69 ; SYSBOOT to INIT.  In many ways, this module functions like SYSPARAM does:
                     0000     70 ;       - It is linked both into SYSBOOT.EXE and SYS.EXE.
                     0000     71 ;       - SYSBOOT fills in its copy of this module with derived values, then
                     0000     72 ;         copies this "parameter block" into the reserved space linked into
                     0000     73 ;         INIT.
                     0000     74 ; This module differs from SYSPARAM in that SYSPARAM parameters stay in the
                     0000     75 ; system after INIT has deleted itself;  BOOPARAM paramters are used only by
                     0000     76 ; INIT and are deleted along with INIT.
                     0000     77 ;--
                     0000     78
                     0000     79 ;
                     0000     80 ; Put the data in a psect contiguous to INIT's Z$INIT000 psect, so INIT can
                     0000     81 ; define a symbol unique to SYS.EXE for the base of this module.
                     0000     82 ;
                00000000     83          .PSECT  Z$INIT001,LONG
                     0000     84 BOO$A_BOOPARAM::                    ; Define base of module.
                     0000     85
                     0000     86 ;
                     0000     87 ; Describe where SYSBOOT has loaded the various drivers and loadable code
                     0000     88 ;
                     0000     89 BOO$GL_DSKDRV::                     ; Boot device driver
00000000             0000     90          .LONG   0                  ; Address in non-paged pool
                     0004     91
                     0004     92 BOO$GL_SYSLOA::                     ; CPU-dependent image (SYSLOAxxx.EXE)
00000000             0004     93          .LONG   0                  ; Address in non-paged pool
                     0008     94
                     0008     95 BOO$GL_TTDRV::                      ; Terminal service (TTDRIVER.EXE)
00000000             0008     96          .LONG   0                  ; Address in non-paged pool
                     000C     97
                     000C     98 BOO$GQ_INILOA::                     ; Pool descriptor for loadable init code.
00000000             000C     99          .LONG   0                  ; Address in non-paged pool
00000000             0010    100          .LONG   0                  ; Size in bytes (not including header).
                     0014    101 BOO$GL_NPAGEDYN::
00000000             0014    102          .LONG   0                  ; Size in bytes of pool remaining
                     0018    103 BOO$GL_SPLITADR::
00000020             0018    104          .BLKQ   1                  ; Address of bottom of IRP lookaside list
0000001C             0020    105 BOO$GL_IRPCNT==BOO$GL_SPLITADR+4    ; Count of IRP's to initialize
                     0020    106 BOO$GL_LRPSIZE::
00000000             0020    107          .LONG   0                  ; Size in bytes of LRP packets
                     0024    108 BOO$GL_LRPMIN::
00000000             0024    109          .LONG   0                  ; Minimum size to allocate an LRP
                     0028    110 BOO$GL_LRPSPLIT::
00000030             0028    111          .BLKQ   1                  ; Base address of LRP lookaside list
0000002C             0030    112 BOO$GL_LRPCNT==BOO$GL_LRPSPLIT+4    ; Count of LRP's to initialize
                     0030    113 BOO$GL_SRPSPLIT::
00000038             0030    114          .BLKQ   1                  ; Base address of SRP lookaside list
00000034             0038    115 BOO$GL_SRPCNT==BOO$GL_SRPSPLIT+4    ; Count of SRP's to initialize
                     0038    116 BOO$GQ_FILCACHE::                  ; FIL$OPENFILE cache
00000040             0038    117          .BLKQ   1                  ; Size in bytes and pool address
                     0040    118 BOO$GL_BOOTCB::                    ; Address in pool of BOOT control block
00000000             0040    119          .LONG   0                  ; with read/write virtual block logic
                     0044    120 BOO$GT_TOPSYS::                    ; Top level system directory
0000004E             0044    121          .BLKB   10                 ; ASCIC string
                     004E    122 BOO$GB_SYSTEMID::                  ; The 48 bit SCSsystemid of remote port
```

```
                    00000054  004E   123          .BLKB   6
                              0054   124 BOO$GL_PRTDRV::                     ; Address in pool of any port driver
                    00000000  0054   125          .LONG   0
                              0058   126 BOO$GL_UCODE::                      ; Address in pool of any port microcode
                    00000000  0058   127          .LONG   0
                              005C   128 BOO$GL_SCSLOA::                     ; Address in pool of any SCS loadable
                    00000000  005C   129          .LONG   0                 ;  code
                              0060   130 BOO$GL_CLSLOA::                     ; Address in pool of cluster loadable
                    00000000  0060   131          .LONG   0                 ;  code (if loaded)
                              0064   132 BOO$GL_ERAPATLOA::                  ; Address in pool of $ERAPAT loadable
                    00000000  0064   133          .LONG   0                 ;  code (if loaded)
                              0068   134 BOO$GL_CHKPRTLOA::                  ; Address in pool of $CHKPRT loadable
                    00000000  0068   135          .LONG   0                 ;  code (if loaded)
                              006C   136 BOO$GL_MTACCESSLOA::               ; Address in pool of $MTACCESS loadable
                    00000000  006C   137          .LONG   0                 ;  code (if loaded)
                              0070   138 BOO$GB_NODENAME::                   ; The ASCII name of the remote system
20 20 20 20 20 20 20 20       0070   139          .ASCII  /       /
                              0078   140
                              0078   141 BOO$GL_VAXEMUL::                    ; Char/decimal ins emulator (VAXEMUL.EXE)
                    00000000  0078   142          .LONG   0                 ; Address in non-paged pool
                              007C   143
                              007C   144 BOO$GL_FPEMUL::                     ; Floating point emulator (FPEMUL.EXE)
                    00000000  007C   145          .LONG   0                 ; Address in non-paged pool
                              0080   146
                              0080   147 BOO$GL_DEVNAME::                    ; Boot device name in ASCII
                    00000000  0080   148          .LONG   0                 ; (Zeroes if not specified)
                              0084   149
                    00000084  0084   150 BOO$C_BOOPARSZ == .-BOO$A_BOOPARAM
                              0084   151          .end
```

```
BOO$A_BOOPARAM                  00000000 RG     02
BOO$C_BOOPARSZ                = 00000084   G
BOO$GB_NODENAME                 00000070 RG     02
BOO$GB_SYSTEMID                 0000004E RG     02
BOO$GL_BOOTCB                   00000040 RG     02
BOO$GL_CHKPRTLOA                00000068 RG     02
BOO$GL_CLSLOA                   00000060 RG     02
BOO$GL_DEVNAME                  00000080 RG     02
BOO$GL_DSKDRV                   00000000 RG     02
BOO$GL_ERAPATLOA                00000064 RG     02
BOO$GL_FPEMUL                   0000007C RG     02
BOO$GL_IRPCNT                 = 0000001C RG     02
BOO$GL_LRPCNT                 = 0000002C RG     02
BOO$GL_LRPMIN                   00000024 RG     02
BOO$GL_LRPSIZE                  00000020 RG     02
BOO$GL_LRPSPLIT                 00000028 RG     02
BOO$GL_MTACCESSLOA              0000006C RG     02
BOO$GL_NPAGEDYN                 00000014 RG     02
BOO$GL_PRTDRV                   00000054 RG     02
BOO$GL_SCSLOA                   0000005C RG     02
BOO$GL_SPLITADR                 00000018 RG     02
BOO$GL_SRPCNT                 = 00000034 RG     02
BOO$GL_SRPSPLIT                 00000030 RG     02
BOO$GL_SYSLOA                   00000004 RG     02
BOO$GL_TRMDRV                   00000008 RG     02
BOO$GL_UCODE                    00000058 RG     02
BOO$GL_VAXEMUL                  00000078 RG     02
BOO$GQ_FILCACHE                 00000038 RG     02
BOO$GQ_INILOA                   0000000C RG     02
BOO$GT_TOPSYS                   00000044 RG     02
OP$_ACBD                      = 0000006F
OP$_ACBF                      = 0000004F
OP$_ACBG                      = 00004FFD
OP$_ACBH                      = 00006FFD
OP$_ADDD2                     = 00000060
OP$_ADDD3                     = 00000061
OP$_ADDF2                     = 00000040
OP$_ADDF3                     = 00000041
OP$_ADDG2                     = 000040FD
OP$_ADDG3                     = 000041FD
OP$_ADDH2                     = 000060FD
OP$_ADDH3                     = 000061FD
OP$_ADDP4                     = 00000020
OP$_ADDP6                     = 00000021
OP$_ASHP                      = 000000F8
OP$_CLRD                      = 0000007C
OP$_CLRF                      = 000000D4
OP$_CLRG                      = 0000007C
OP$_CLRH                      = 00007CFD
OP$_CMPD                      = 00000071
OP$_CMPF                      = 00000051
OP$_CMPG                      = 000051FD
OP$_CMPH                      = 000071FD
OP$_CMPP3                     = 00000035
OP$_CMPP4                     = 00000037
OP$_CRC                       = 0000000B
OP$_CVTBD                     = 0000006C
OP$_CVTBF                     = 0000004C
OP$_CVTBG                     = 00004CFD
OP$_CVTBH                     = 00006CFD
OP$_CVTDB                     = 00000068
OP$_CVTDF                     = 00000076
OP$_CVTDH                     = 000032FD
OP$_CVTDL                     = 0000006A
OP$_CVTDW                     = 00000069
OP$_CVTFB                     = 00000048
OP$_CVTFD                     = 00000056
OP$_CVTFG                     = 000099FD
OP$_CVTFH                     = 000098FD
OP$_CVTFL                     = 0000004A
OP$_CVTFW                     = 00000049
OP$_CVTGB                     = 000048FD
OP$_CVTGF                     = 000033FD
OP$_CVTGH                     = 000056FD
OP$_CVTGL                     = 00004AFD
OP$_CVTGW                     = 000049FD
OP$_CVTHB                     = 000068FD
OP$_CVTHD                     = 0000F7FD
OP$_CVTHF                     = 0000F6FD
OP$_CVTHG                     = 000076FD
OP$_CVTHL                     = 00006AFD
OP$_CVTHW                     = 000069FD
OP$_CVTLD                     = 0000006E
OP$_CVTLF                     = 0000004E
OP$_CVTLG                     = 00004EFD
OP$_CVTLH                     = 00006EFD
OP$_CVTLP                     = 000000F9
OP$_CVTPL                     = 00000036
OP$_CVTPS                     = 00000008
OP$_CVTPT                     = 00000024
OP$_CVTRDL                    = 0000006B
OP$_CVTRFL                    = 0000004B
OP$_CVTRGL                    = 00004BFD
OP$_CVTRHL                    = 00006BFD
OP$_CVTSP                     = 00000009
OP$_CVTTP                     = 00000026
OP$_CVTWD                     = 0000006D
OP$_CVTWF                     = 0000004D
OP$_CVTWG                     = 00004DFD
OP$_CVTWH                     = 00006DFD
OP$_DIVD2                     = 00000066
OP$_DIVD3                     = 00000067
OP$_DIVF2                     = 00000046
OP$_DIVF3                     = 00000047
OP$_DIVG2                     = 000046FD
OP$_DIVG3                     = 000047FD
OP$_DIVH2                     = 000066FD
OP$_DIVH3                     = 000067FD
OP$_DIVP                      = 00000027
OP$_EDITPC                    = 00000038
OP$_EMODD                     = 00000074
OP$_EMODF                     = 00000054
OP$_EMODG                     = 000054FD
OP$_EMODH                     = 000074FD
```

```
OP$_MATCHC                      = 00000039
OP$_MNEGD                       = 00000072
OP$_MNEGF                       = 00000052
OP$_MNEGG                       = 000052FD
OP$_MNEGH                       = 000072FD
OP$_MOVD                        = 00000070
OP$_MOVF                        = 00000050
OP$_MOVG                        = 000050FD
OP$_MOVH                        = 000070FD
OP$_MOVP                        = 00000034
OP$_MOVTC                       = 0000002E
OP$_MOVTUC                      = 0000002F
OP$_MULD2                       = 00000064
OP$_MULD3                       = 00000065
OP$_MULF2                       = 00000044
OP$_MULF3                       = 00000045
OP$_MULG2                       = 000044FD
OP$_MULG3                       = 000045FD
OP$_MULH2                       = 000064FD
OP$_MULH3                       = 000065FD
OP$_MULP                        = 00000025
OP$_POLYD                       = 00000075
OP$_POLYF                       = 00000055
OP$_POLYG                       = 000055FD
OP$_POLYH                       = 000075FD
OP$_SCANC                       = 0000002A
OP$_SKPC                        = 0000003B
OP$_SPANC                       = 0000002B
OP$_SUBD2                       = 00000062
OP$_SUBD3                       = 00000063
OP$_SUBF2                       = 00000042
OP$_SUBF3                       = 00000043
OP$_SUBG2                       = 000042FD
OP$_SUBG3                       = 000043FD
OP$_SUBH2                       = 000062FD
OP$_SUBH3                       = 000063FD
OP$_SUBP4                       = 00000022
OP$_SUBP6                       = 00000023
OP$_TSTD                        = 00000073
OP$_TSTF                        = 00000053
OP$_TSTG                        = 000053FD
OP$_TSTH                        = 000073FD
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
Z$INIT001	00000084 (132.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.07	00:00:01.21
Command processing	153	00:00:00.71	00:00:05.08
Pass 1	342	00:00:08.44	00:00:31.84
Symbol table sort	0	00:00:00.53	00:00:01.66
Pass 2	46	00:00:03.09	00:00:11.44
Symbol table output	19	00:00:00.14	00:00:00.19
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	601	00:00:13.00	00:00:51.44

The working set limit was 1500 pages.
35793 bytes (70 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 391 non-local and 0 local symbols.
2903 source lines were read in Pass 1, producing 14 object records in Pass 2.
134 pages of virtual memory were used to define 133 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	4

420 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:BOOPARAM/OBJ=OBJ$:BOOPARAM MASD$:[EMULAT.SRC]MISSING/UPDATE=(MASD$:[EMULAT.ENH]MISSING)+MASD$:[SYS.SRC]BOOPARAM/UPDAT
```

0373 AH-BT13A-SE
VAX/VMS V4.0

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LIS

BOOPARAM
LIS

CJFSYSVEC
LIS

CVTATB
LIS

BUGCHKMSG
LIS

CONSOLIO
LIS