

```
BBBBBBBBBBBBBB 00000000 00000000 TTTTTTTTTTTTTT SSSSSSSSSSSS
BBBBBBBB99BBBB 00000000 00000000 TTTTTTTTTTTTTT SSSSSSSSSSSS
BBBBBBBBBBBBBB 00000000 00000000 TTTTTTTTTTTTTT SSSSSSSSSSSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBBBBBBBBBBBBB 000          000 000          000 TTT          TTT SSS
BBBBBBBBBBBBBB 000          000 000          000 TTT          TTT SSS
BBBBBBBBBBBBBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBB          BBB 000          000 000          000 TTT          TTT SSS
BBBBBBBBBBBBBB 00000000 00000000 TTT          TTT SSSSSSSSSSSS
BBBBBBBBBBBBBB 00000000 00000000 TTT          TTT SSSSSSSSSSSS
BBBBBBBBBBBBBB 00000000 00000000 TTT          TTT SSSSSSSSSSSS
```

SSSSSSSS	TTTTTTTT	AAAAAA	NN	NN	DDDDDDDD	CCCCCCCC	000000	NN	NN	FFFFFFFF		
SSSSSSSS	TTTTTTTT	AAAAAA	NN	NN	DDDDDDDD	CCCCCCCC	000000	NN	NN	FFFFFFFF		
SS	TT	AA	AA	NN	DD	DD	CC	00	00	NN	NN	FF
SS	TT	AA	AA	NN	DD	DD	CC	00	00	NN	NN	FF
SS	TT	AA	AA	NNNN	DD	DD	CC	00	00	NNNN	NN	FF
SS	TT	AA	AA	NNNN	DD	DD	CC	00	00	NNNN	NN	FF
SSSSSS	TT	AA	AA	NN	NN	DD	DD	CC	00	NN	NN	FFFFFFFF
SSSSSS	TT	AA	AA	NN	NN	DD	DD	CC	00	NN	NN	FFFFFFFF
SS	TT	AAAAA	AA	NN	NNNN	DD	DD	CC	00	NN	NNNN	FF
SS	TT	AAAAA	AA	NN	NNNN	DD	DD	CC	00	NN	NNNN	FF
SS	TT	AA	AA	NN	NN	DD	DD	CC	00	NN	NN	FF
SS	TT	AA	AA	NN	NN	DD	DD	CC	00	NN	NN	FF
SSSSSSSS	TT	AA	AA	NN	NN	DDDDDDDD	CCCCCCCC	000000	NN	NN	NN	FF
SSSSSSSS	TT	AA	AA	NN	NN	DDDDDDDD	CCCCCCCC	000000	NN	NN	NN	FF

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLL	IIIIII	SSSSSSSS

(2)	72
(3)	169
(5)	326

DECLARATIONS
STANDCONF - main program
Dummy entry points

```
0000 1      .TITLE  STANDCONF - MAIN PROGRAM FOR STANDALONE CONFIGURE
0000 2      .IDENT  'V04-000'
0000 3
0000 4
0000 5      *****
0000 6      *
0000 7      *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 17     *
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0000 19     *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20     *  CORPORATION.
0000 21     *
0000 22     *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23     *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24     *
0000 25     *
0000 26     *  *****
0000 27     *
0000 28     *
0000 29     *  ++
0000 30     *  FACILITY:      STANDALONE CONFIGURE
0000 31     *
0000 32     *  ABSTRACT:
0000 33     *  THIS ROUTINE IS THE MAIN PROGRAM AND SUBROUTINES FOR STANDALONE
0000 34     *  CONFIGURE FOR STANDALONE VMS (I.E. STANDALONE BACKUP AND STANDALONE
0000 35     *  BAD).
0000 36     *  THIS PROCESS IS USED TO CONFIGURE ALL DISK AND PORT DRIVERS FROM
0000 37     *  SYSINIT. ALL MSCP- AND HSC-SERVED DEVICES ARE CONFIGURED.
0000 38     *
0000 39     *  ENVIRONMENT:  USER, EXEC, AND KERNEL MODE
0000 40     *
0000 41     *  AUTHOR:   MARYANN HINDEN,      CREATION DATE:  18-SEP-1979
0000 42     *           (ADAPTED FROM STASYSGEN)
0000 43     *
0000 44     *  MODIFIED BY:
0000 45     *
0000 46     *  V03-006 CWH3006      CW Hobbs      8-Oct-1983
0000 47     *           Properly handle the case of a null device type when displaying
0000 48     *           configured devices. Call them "unknown".
0000 49     *
0000 50     *  V03-005 CWH3005      CW Hobbs      24-Sep-1983
0000 51     *           Add the display of configured devices so that a user has
0000 52     *           a better idea of what is happening.
0000 53     *
0000 54     *  V03-004 CWH3004      CW Hobbs      13-Sep-1983
0000 55     *           Borrow STACONFIG.MAR and produce a process suitable for
0000 56     *           configuring HSC and MSCP-served devices in the environment
0000 57     *           of standalone VMS.
```

```
0000 58 :  
0000 59 : V03-002 WMC0003 Wayne Cardoza 09-Aug-1983  
0000 60 : Put D devices back.  
0000 61 :  
0000 62 : V03-001 WMC0002 Wayne Cardoza 05-Aug-1983  
0000 63 : Add lbr$output_help.  
0000 64 : Disable autoconfigure of D devices until this module is made  
0000 65 : to deal with noncontiguous drivers.  
0000 66 :  
0000 67 : V03-001 WMC0001 Wayne Cardoza 01-Aug-1983  
0000 68 : Add BOO$EXEOPEN, BOO$FILCLOSE, BOO$UFOOPEN, EXE$LOAD_CODE  
0000 69 :  
0000 70 :--
```

```

0000 72      .SBTTL  DECLARATIONS
0000 73      :
0000 74      : INCLUDE FILES:
0000 75      :
0000 76      $ddbdef
0000 77      $dcdef
0000 78      $ipldef
0000 79      $sbdef
0000 80      $ucbdef
0000 81
0000 82      :
0000 83      : MACROS:
0000 84      :
0000 85      .macro  table_entry      entry_name
0000 86      table_counter = table_counter + 1
0000 87      assume dt$ 'entry_name' EQ table_counter
0000 88      .psect stacfn_tblpat  exe,rd,nowrt
0000 89      td 'entry_name':      .ascic  /entry_name/
0000 90      .psect stacfn_tblptr   exe,rd,nowrt
0000 91      .address td_'entry_name'
0000 92      .endm
0000 93
0000 94      :
0000 95      : EQUATED SYMBOLS:
0000 96      :
0000 97      :
0000 98      :
0000 99      : OWN STORAGE:
0000 100     :
0000 101     :
00000000 102     .PSECT  BOO$SYSGEN,WRT
0000 103
00000000 0000 104 BOO$GL_CMDOPT:: .LONG 0           ; Options longword
0004 105
00000000 106 .psect  stacfn_data_rw  noexe,rd,wrt
0000 107
00000000 00000000 0000 108 msgdsc:      .long  0,0
00000058 0008 109 msgbuf:      .blkb  80
00001058 0058 110 ucb_vector:  .blkl  1024           ; Remember 1000 ucb's
111 ucb_end:      ; Marker for end of vector table
112
00000000 113 .psect  stacfn_data_ro  exe,rd,nowrt
0000 114
43 44 4E 41 54 53 FFFFFFFF FD050F80 0000 115 BIN_TIME:      .LONG  -10*1000*1000*5,-1 ; Delta for 5 seconds
00000010'010E0000' 0008 116 procnam:.ascid  "STANDCONF"
46 4E 4F 0016
67 69 66 6E 6F 43 00000021'010E0000' 0019 117 ctrstr: .ascid  "Configured !17<!AC$!AC!UL:!>device type !AC"
41 21 3C 37 31 21 20 20 64 65 72 75 0027
64 3E 21 3A 4C 55 21 43 41 21 24 43 0033
21 20 65 70 79 74 20 65 63 69 76 65 003F
43 41 004B
6F 63 65 72 20 74 6F 6E 20 73 69 00' 004D 118 unknown:.ascic  "is not recognized"
64 65 7A 69 6E 67 0059
11 004D
005F
00000000 005F 119
00000000 120 table_counter = 0
00000000 121 .psect  stacfn_tblptr   exe,rd,nowrt

```

```
0000001A' 0000 122 disk_table:
           0000 123 .long disk_count
           0004 124 table_entry RK06
           0008 125 table_entry RK07
           000C 126 table_entry RP04
           0010 127 table_entry RP05
           0014 128 table_entry RP06
           0018 129 table_entry RM03
           001C 130 table_entry RP07
           0020 131 table_entry RP07HT
           0024 132 table_entry RL01
           0028 133 table_entry RL02
           002C 134 table_entry RX02
           0030 135 table_entry RX04
           0034 136 table_entry RM80
           0038 137 table_entry TU58
           003C 138 table_entry RM05
           0040 139 table_entry RX01
           0044 140 table_entry ML11
           0048 141 table_entry RB02
           004C 142 table_entry RB80
           0050 143 table_entry RA80
           0054 144 table_entry RA81
           0058 145 table_entry RA60
           005C 146 table_entry RC25
           0060 147 table_entry RCF25
           0064 148 table_entry RD51
           0068 149 table_entry RX50
0000001A 006C 150 disk_count = table_counter
           006C 151
00000000 006C 152 table_counter = 0
           0000006C 153 .psect stacfn_tblptr exe,rd,nowrt
           006C 154 tape_table:
00000009' 006C 155 .long tape_count
           0070 156 table_entry TE16
           0074 157 table_entry TU45
           0078 158 table_entry TU77
           007C 159 table_entry TS11
           0080 160 table_entry TU78
           0084 161 table_entry TA78
           0088 162 table_entry TU80
           008C 163 table_entry TU81
           0090 164 table_entry TA81
00000009 0094 165 tape_count = table_counter
           0094 166
           00000000 167 .psect stacfn_code exe,rd,nowrt
```

```

0000 169      .SBTTL  STANDCONF - main program
0000 170      :++
0000 171      : FUNCTIONAL DESCRIPTION:
0000 172      : This is the main program for standalone CONFIGURE.  It does the
0000 173      : following:
0000 174      :
0000 175      :         1) Locks the entire image into the working set.
0000 176      :         2) Call BOOSCONFIGURE, which will configure all MSCP-
0000 177      :            and HSC-served devices.
0000 178      :
0000 179      : CALLING SEQUENCE:
0000 180      :
0000 181      :     Called by STASYSGEN (as SYSINIT) (via the $CREPRC directive)
0000 182      :
0000 183      : INPUT PARAMETERS:
0000 184      :
0000 185      :     NONE
0000 186      :
0000 187      : OUTPUT PARAMETERS:
0000 188      :
0000 189      :     NONE
0000 190      :
0000 191      : ERROR INDICATIONS:
0000 192      :
0000 193      :     Various errors printed on the system console
0000 194      :
0000 195      :--
000C 0000 196      :
0000 197      : .ENTRY  STANDCONF,^M<R2,R3>
0002 198      :
0002 199      :
0002 200      : Load the entire image into the working set.  If running from the console device, w
0002 201      : can not do any paging from the image, since the piece of media we loaded from migh
0002 202      : not be in the drive.
0002 203      :
0002 204      :     $LKWSET_S INADR=BOOS$GQ_LIMITS, RETADR=BOOS$GQ_RETADR
0017 205      :
0017 206      :
0017 207      : Change our process name to "STANDCONF".  SYSINIT (stasysgen) creates us with the
0017 208      : process name of "STANDLOAD".  When SYSINIT sees our name change, it knows that we
0017 209      : have been loaded and that it is OK to request a new piece of console media.
0017 210      :
0017 211      :     $SETPRN_S      PROCNAM=PROCNAM
0024 212      :
0024 213      :
0024 214      : Get current values for local copy of SYSPARAM
0024 215      :
00000000'EF  00  FB 0024 216      :     CALLS  #0,BOOS$USEACT
0028 217      :
0028 218      :
0028 219      : Set a timer for 5 seconds
0028 220      :
0028 221      :     $SETIMR_S      efn      = #3,-
0028 222      :                    daytim = BIN_TIME,-
0028 223      :                    astadr  = AST_REC
0042 224      :
0042 225      :

```



```
00000000'EF 00 FB 0042 226 : Start threads which will configure MSCP- and HSC-served disks.
                0042 227 :
                0042 228 : CALLS #0,BOO$CONFIGURE
                0049 229 :
                0049 230 :
                0049 231 : BOO$CONFIGURE will go into a hibernate state, so we should never get here
                0049 232 :
04 0049 233 : RET
```

```

0004 004A 235 AST_REC: .WORD ^M<R2>
      004C 236 :
      004C 237 : Go to kernel mode and print any devices configured from remote systems
      004C 238 :
      004C 239 : $cmkrnl_s routin=show_devices
      005B 240 :
      005B 241 :
      005B 242 : Reset the timer ast
      005B 243 :
      005B 244 : $SETIMR_S efn = #3,- ; Reset timer
      005B 245 : daytim = BIN_TIME,-
      005B 246 : astadr = AST_REC
      006F 247 :
04 006F 248 RET ; Dismiss AST
      0070 249 :
      0070 250 :
      0070 251 : Scan the io database and print names of devices served from remote systems
      0070 252 :
OFFC 0070 253 .entry SHOW_DEVICES,^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
      0072 254 :
      0072 255 1$: setipl #ipl$ scs ; Block SCS interrupts while scanning
5B 00000000'GF 7E 0075 256 movaq g^scs$gq_config,r11 ; Keep a pointer to the sb queue header
5A 00000000'GF 9E 007C 257 movab g^scs$ga_localsb,r10 ; Keep a pointer to the local sb
      59 6B D0 0083 258 movl (r11),r9 ; Get a pointer to the first sb in the queue
      5B 59 D1 0086 259 10$: cmpl r9,r11 ; Are we back at the sb queue header
      2E 13 0089 260 beql 60$ ; Exit when done with sb's
      5A 59 D1 008B 261 cmpl r9,r10 ; Is it our system?
      24 13 008E 262 beql 50$ ; Yes, we aren't interested
      58 44 A9 9E 0090 263 movab sb$t_nodename(r9),r8 ; Now r8 points to the nodename
      57 54 A9 D0 0094 264 movl sb$l_ddb(r9),r7 ; Get the pointer to the first ddb on the sb
      1A 13 0098 265 20$: beql 50$ ; Done with ddb's, move to next sb
      56 14 A7 9E 009A 266 movab ddb$t_name(r7),r6 ; Now r6 points to 'DBA' or something simila
      55 04 A7 D0 009E 267 movl ddb$l_ucb(r7),r5 ; Make r5 point to the first ucb on the ddb
      0B 13 00A2 268 30$: beql 40$ ; Done with ucb's, move to next ddb
      17 10 00A4 269 bsbb display_ucb ; Display one ucb
      C9 50 E8 00A6 270 blbs r0,1$ ; If we did display, start over
      55 30 A5 D0 00A9 271 movl ucb$l_link(r5),r5 ; Move to the next ucb
      F3 11 00AD 272 brb 30$
      57 67 D0 00AF 273 40$: movl ddb$l_link(r7),r7 ; Move to the next ddb
      E4 11 00B2 274 brb 20$
      59 69 D0 00B4 275 50$: movl sb$l_flink(r9),r9 ; Move to the next sb
      CD 11 00B7 276 brb 10$
      00B9 277 60$: setipl #0 ; Restore interrupts
      04 00BC 278 ret
      00BD 279 :
      00BD 280 :
      00BD 281 : Display one ucb, first we check the ucb vector to see if this ucb address is
      00BD 282 : in the vector. If so, then we have already displayed this device. If not,
      00BD 283 : then put the ucb into the vector so that we won't display it again.
      00BD 284 :
      00BD 285 display_ucb:
50 00000058'EF DE 00BD 286 movl ucb_vector,r0 ; Point r0 at the vector
51 00001058'EF DE 00C4 287 movl ucb_end,r1
      51 50 D1 00CB 288 1$: cmpl r0,r1 ; At the end?
      0E 13 00CE 289 beql 3$ ; Ignore it
      55 60 D1 00D0 290 cmpl (r0),r5 ; Already displayed this one?
      09 13 00D3 291 beql 3$ ; Ignore it

```

```

60 D5 00D5 292          tstl      (r0)          ; Have we found an empty slot?
08 13 00D7 293          beql      5$          ; Yes, then we must print this one
50 04 C0 00D9 294          addl2     #4,r0        ; Move to the next ucb entry
05 11 00DC 295          brb       1$          ;
50 D4 00DE 296 3$:      clrl      r0          ; Let them know we did not print
05 05 00E0 297          rsb
05 05 00E1 298          ;
05 05 00E1 299          ; Haven't displayed it yet.
05 05 00E1 300          ;
60 55 D0 00E1 301 5$:      movl      r5,(r0)        ; Record this ucb as printed
54 40 A5 90 00E4 302          movb     ucb$b_devclass(r5),r4 ; Grab the device class
54 01 91 00E8 303          cmpb     #dc$_disk,r4      ; Is it a disk?
09 12 00EB 304          bneq     10$         ; Not a disk, skip to check next
50 00000000'EF DE 00ED 305          moval   disk_table,r0    ; Make r0 point at the disk table
0C 11 00F4 306          brb       20$         ;
54 02 91 00F6 307 10$:     cmpb     #dc$_tape,r4     ; Is it a tape?
E3 12 00F9 308          bneq     3$          ; We only do tapes and disks
50 0000006C'EF DE 00FB 309          moval   tape_table,r0    ; Make r0 point at the tape table
54 41 A5 9A 0102 310 20$:   movzbl   ucb$b_devtype(r5),r4 ; Now get the device class
0B 13 0106 311          beql     30$         ; Null type? Call it unknown.
60 54 D1 0108 312          cmpl    r4,(r0)       ; Check against number of entries in table
06 14 010B 313          bgtr    30$         ; Too big? Call it unknown.
53 6044 D0 010D 314          movl    (r0)[r4],r3     ; Get the pointer to the name
07 11 0111 315          brb       40$         ;
53 0000004D'EF 9E 0113 316 30$:   movab   unknown,r3     ; Print the unknown device
54 54 A5 3C 011A 317 40$:   movzwl   ucb$w_unit(r5),r4 ; Grab the unit number
00000000'EF 50 8F 9A 011E 318          movzbl   #80,msgdsc     ; Set the full length of the buffer
00000004'EF 00000008'EF 9E 0126 319          movab   msgbuf,msgdsc+4 ; Move address to the descriptor
0131 320          $fao_s   ctrstr=ctrstr,outlen=msgdsc,outbuf=msgdsc,p1=r8,p2=r6,p3=r4,p4=r3
0152 321          setipl   #0          ; Enable interrupts while printing
0155 322          $brdcst_s msgbuf=msgdsc ; Tell them about it
50 01 D0 0168 323          movl    #1,r0        ; Let them know we printed
05 05 016B 324          rsb

```

```

016C 326 .SBTTL Dummy entry points
016C 327
016C 328 :
016C 329 : These entry points are need to resolve references to routines
016C 330 : not linked with the standalone version of CONFIG.
016C 331 :
016C 332
016C 333 EXE$LOAD_CODE::
016C 334 LBR$OUTPUT_HELP::
016C 335 LIB$PUT_OUTPUT::
016C 336 LIB$GET_INPUT::
50 0000 016C 337 .WORD 0 ; ENTRY MASK
D4 016E 338 CLRL R0
04 0170 339 RET
0171 340
0171 341 BOO$READPROMPT::
0171 342 BOO$READFILE::
0171 343 BOO$FILCLOSE::
0171 344 BOO$UFOOPEN::
0171 345 BOO$EXEOPEN::
0171 346 RIO$OUTPUT_LINE::
50 D4 0171 347 PUTERROR::
05 0173 348 CLRL R0
0174 349 RSB
0174 350
0174 351 RIO$GW_OUTLEN::
0174 352 RIO$AB_BUFFER::
00000175 0174 353 .BLKB 1
0175 354
0175 355 .END STANDCONF

```

```

SST1 = 00000000
SST2 = 00000007
AST_REC 0000004A R 07
BIN_TIME 00000000 R 04
BOOSCONFIGU F ***** X 07
BOOSEXEOPEN 00000171 RG 07
BOOSFILCLOSE 00000171 RG 07
BOOSGL_CMDOP 00000000 RG 02
BOOSGQ_LIMIT ***** X 07
BOOSGQ_RETADR ***** X 07
BOOSREADFILE 00000171 RG 07
BOOSREADPROM T 00000171 RG 07
BOOSUFOOPEN 00000171 RG 07
BOOSUSEACT ***** X 07
CTRSTR 00000019 R 04
DCS_DISK = 00000001
DCS_TAPE = 00000002
DDBSL_LINK = 00000000
DDBSL_UCB = 00000004
DDBST_NAME = 00000014
DISK_COUNT = 0000001A
DISK_TABLE 00000000 R 05
DISPCAY_UCB 000000BD R 07
DTS_ML1T = 00000011
DTS_RA60 = 00000016
DTS_RA80 = 00000014
DTS_RA81 = 00000015
DTS_RB02 = 00000012
DTS_RB80 = 00000013
DTS_RC25 = 00000017
DTS_RCF25 = 00000018
DTS_RD51 = 00000019
DTS_RK06 = 00000001
DTS_RK07 = 00000002
DTS_RL01 = 00000009
DTS_RL02 = 0000000A
DTS_RM03 = 00000006
DTS_RM05 = 0000000F
DTS_RM80 = 0000000D
DTS_RP04 = 00000003
DTS_RP05 = 00000004
DTS_RP06 = 00000005
DTS_RP07 = 00000007
DTS_RP07HT = 00000008
DTS_RX01 = 00000010
DTS_RX02 = 00000008
DTS_RX04 = 0000000C
DTS_RX50 = 0000001A
DTS_TA78 = 00000006
DTS_TA81 = 00000009
DTS_TE16 = 00000001
DTS_TS11 = 00000004
DTS_TU45 = 00000002
DTS_TU58 = 0000000E
DTS_TU77 = 00000003
DTS_TU78 = 00000005
DTS_TU80 = 00000007

```

```

DTS_TU81 = 00000008
EXESLOAD_CODE 0000016C RG 07
IPLS_SCS = 00000008
LBR$OUTPUT_HELP 0000016C RG 07
LIB$GET_INPUT 0000016C RG 07
LIB$PUT_OUTPUT 0000016C RG 07
MSGBUF 00000008 R 03
MSGDSC 00000000 R 03
PRS_IPL ***** X 07
PROCNAM 000C0008 R 04
PUTERROR 00000171 RG 07
RIOSAB_BUFFER 00000174 RG 07
RIOSGW_OUTLEN 00000174 RG 07
RIOSOUTPUT_LINE 00000171 RG 07
SB$SL_DDB = 00000054
SB$SL_FLINK = 00000000
SB$T_NODENAME = 00000044
SCS$GA_LOCALSB ***** X 07
SCS$GQ_CONFIG ***** X 07
SHOW_DEVICES 00000070 RG 07
STANDCONF 00000000 RG 07
SYSSBRDCST ***** GX 07
SYSSCMKRNL ***** GX 07
SYSSFAO ***** X 07
SYSSLKWSET ***** GX 07
SYSSSETIMR ***** GX 07
SYSSSETPRN ***** GX 07
TABLE_COUNTER = 00000009
TAPE_COUNT = 00000009
TAPE_TABLE 0000006C R 05
TD_MC11 00000052 R 06
TD_RA60 0000006B R 06
TD_RA80 00000061 R 06
TD_RA81 00000066 R 06
TD_RB02 00000057 R 06
TD_RB80 0000005C R 06
TD_RC25 00000070 R 06
TD_RCF25 00000075 R 06
TD_RD51 0000007B R 06
TD_RK06 00000000 R 06
TD_RK07 00000005 R 06
TD_RL01 0000002A R 06
TD_RL02 0000002F R 06
TD_RM03 00000019 R 06
TD_RM05 00000048 R 06
TD_RM80 0000003E R 06
TD_RP04 0000000A R 06
TD_RP05 0000000F R 06
TD_RP06 00000014 R 06
TD_RP07 0000001E R 06
TD_RP07HT 00000023 R 06
TD_RX01 0000004D R 06
TD_RX02 00000034 R 06
TD_RX04 00000039 R 06
TD_RX50 00000080 R 06
TD_TA78 0000009E R 06
TD_TA81 000000AD R 06

```

TD_TE16	00000085	R	06
TD_TS11	00000094	R	06
TD_TU45	0000008A	R	06
TD_TU58	00000043	R	06
TD_TU77	0000008F	R	06
TD_TU78	00000099	R	06
TD_TU80	000000A3	R	06
TD_TU81	000000A8	R	06
UCBSB_DEVCLASS	= 00000040		
UCBSB_DEVTYPE	= 00000041		
UCBSL_LINK	= 00000030		
UCBSW_UNIT	= 00000054		
UCB_END	00001058	R	03
UCB_VECTOR	00000058	R	03
UNKNOWN	0000004D	R	04

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

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
BOSSYSGEN	00000004 (4.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
STACFN_DATA_RW	00001058 (4184.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
STACFN_DATA_RO	0000005F (95.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
STACFN_TBLPTR	00000094 (148.)	05 (5.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
STACFN_TBLDAT	000000B2 (178.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
STACFN_CODE	00000175 (373.)	07 (7.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

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

Phase	Page faults	LPU Time	Elapsed Time
Initialization	29	00:00:00.09	00:00:00.45
Command processing	108	00:00:00.72	00:00:02.63
Pass 1	275	00:00:08.01	00:00:18.11
Symbol table sort	0	00:00:01.02	00:00:01.87
Pass 2	82	00:00:01.69	00:00:03.63
Symbol table output	16	00:00:00.12	00:00:00.22
Psect synopsis output	3	00:00:00.04	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	515	00:00:11.70	00:00:26.97

The working set limit was 1350 pages.
 42571 bytes (84 pages) of virtual memory were used to buffer the intermediate code.
 There were 40 pages of symbol table space allocated to hold 684 non-local and 14 local symbols.
 355 source lines were read in Pass 1, producing 32 object records in Pass 2.
 26 pages of virtual memory were used to define 24 macros.

! Macro library statistics !

Macro library name	Macros defined
-----	-----
_\$255\$DUA28:[BOOTS.OBJ]BOOTS.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	5
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	15
TOTALS (all libraries)	20

786 GETS were required to define 20 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:STANDCONF/OBJ=OBJ\$:STANDCONF MSRC\$:STANDCONF/UPDATE=(ENH\$:STANDCONF)+EXECMLS/LIB+LIB\$:BOOTS.MLB/LIB

