```
MMM      MMM   000000000           MMM           MMM
MMM      MMM   000000000           MMM           MMM
MMM      MMM   000000000           MMM           MMM
MMMMMM  MMMMMM  000      000   MMMMMM   MMMMMM
MMMMMM  MMMMMM  000      000   MMMMMM   MMMMMM
MMMMMM  MMMMMM  000      000   MMMMMM   MMMMMM
MMM   MMM   MMM   000      000   MMM   MMM   MMM
MMM   MMM   MMM   000      000   MMM   MMM   MMM
MMM   MMM   MMM   000      000   MMM   MMM   MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000      000   MMM           MMM
MMM      MMM   000000000           MMM           MMM
MMM      MMM   000000000           MMM           MMM
MMM      MMM   000000000           MMM           MMM
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```
MM     MM   000000   MM     MM   SSSSSSSS  EEEEEEEEEE  RRRRRRRR    SSSSSSSS  TTTTTTTTTT   AAAAAA
MM     MM   000000   MM     MM   SSSSSSSS  EEEEEEEEEE  RRRRRRRR    SSSSSSSS  TTTTTTTTTT   AAAAAA
MMMM MMMM  00    00  MMMM MMMM  SS         EE          RR    RR  SS            TT        AA    AA
MMMM MMMM  00    00  MMMM MMMM  SS         EE          RR    RR  SS            TT        AA    AA
MM MM MM   00    00  MM MM MM   SS         EE          RR    RR  SS            TT        AA    AA
MM MM MM   00    00  MM MM MM   SS         EE          RR    RR  SS            TT        AA    AA
MM     MM  00    00  MM     MM    SSSSSS   EEEEEEE     RRRRRRRR    SSSSSS      TT        AA    AA
MM     MM  00    00  MM     MM    SSSSSS   EEEEEEE     RRRRRRRR    SSSSSS      TT        AA    AA
MM     MM  00    00  MM     MM        SS   EE          RR  RR          SS      TT        AAAAAAAAAA
MM     MM  00    00  MM     MM        SS   EE          RR  RR          SS      TT        AAAAAAAAAA
MM     MM  00    00  MM     MM        SS   EE          RR   RR         SS      TT        AA    AA
MM     MM  00    00  MM     MM        SS   EE          RR   RR         SS      TT        AA    AA
MM     MM   000000   MM     MM   SSSSSSSS  EEEEEEEEEE  RR    RR  SSSSSSSS      TT        AA    AA
MM     MM   000000   MM     MM   SSSSSSSS  EEEEEEEEEE  RR    RR  SSSSSSSS      TT        AA    AA

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
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MOMSERSTA
V04-000

G 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 1
                                       5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (1)

```
0000      1          .TITLE  MOMSERSTA      LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES
0000      2          .IDENT  'V04-000'
0000      3
0000      4
0000      5  ;********************************************************************
0000      6  ;*                                                                  *
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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:  DECnet-VAX Network Management Maintenance Operations Module (MOM)
0000     31  ;
0000     32  ; ABSTRACT:
0000     33  ;       This module contains the NPARSE tables for parsing the parameter
0000     34  ;       portions of NICE messages containing load, trigger, and test commands.
0000     35  ;
0000     36  ; ENVIRONMENT:  VAX/VMS Operating System
0000     37  ;
0000     38  ; AUTHOR:  Kathy Perko
0000     39  ;
0000     40  ; CREATION DATE: 9-Jan-1982
0000     41  ;
0000     42  ; MODIFIED BY:
0000     43  ;       V03-004 MKP0004          Kathy Perko          13-July-1984
0000     44  ;               Change NODE SERVICE PASSWORD parameter back to HI-8 (from
0000     45  ;               H-8).  The specs aren't consistent about it
0000     46  ;
0000     47  ;       V03-003 MKP0003          Kathy Perko          26-Mar-1984
0000     48  ;               Fix area 1 problem by converting node numbers with area 0
0000     49  ;               to area 1.
0000     50  ;
0000     51  ;       V03-002 MKP0002          Kathy Perko          29-Jan-1984
0000     52  ;               Make sure LOOP CIRCUIT commands have all required parameters.
0000     53  ;
0000     54  ;       V03-001 MKP0001          Kathy Perko          5-May-1983
0000     55  ;               Fix TRIGGER to take PHYSICAL ADDRESS parameter.
0000     56  ;
0000     57  ;--
```

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H 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 2
                                          5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (2)

```
0000    59 ;
0000    60 ; INCLUDE FILES:
0000    61 ;
0000    62
0000    63 $NMADEF                              ; Network Management Layer definitions
0000    64 $MOMDEF                              ; MOM definitions
0000    65
```

MOMSERSTA
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I 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 3
MOM$NPA_LOAD Downline load state table   5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (3)

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```
0000    67                  .SBTTL   MOM$NPA_LOAD Downline load state table
0000    68          ;
0000    69          ;
0000    70          ;       This NPARSE table is used to parse the parameters of a NICE command
0000    71          ;       from NCP which requests a down line load.
0000    72          ;
0000    73          !MSG$    MOM$NPA_LOAD
0000    74          ;
0000    75          ; Paramter loop
0000    76          ;
0000    77  FIELD$   MOM_LOAD_LOOP
0000    78  $EOM     .NPA$ EXIT
0000    79  $SBEXP   MOM_NODE_SLI,MOM_LOAD_LOOP     ; Service circuit
0000    80  $NEXT
0014    81
0014    82  FIELD$
0000    83  $SBEXP   MOM_NODE_SPA,MOM_LOAD_LOOP     ; Service password
0000    84  $NEXT
0020    85
0020    86  FIELD$
0000    87  $SBEXP   MOM_NODE_SDV,MOM_LOAD_LOOP     ; Service device
0000    88  $NEXT
002C    89
002C    90  FIELD$
0000    91  $SBEXP   MOM_NODE_CPU,MOM_LOAD_LOOP     ; CPU type
0000    92  $NEXT
0038    93
0038    94  FIELD$
0000    95  $SBEXP   MOM_NODE_PHA,MOM_LOAD_LOOP     ; NI (Ethernet) Physical Address
0000    96  $NEXT
0044    97
0044    98  FIELD$
0000    99  $SBEXP   MOM_NODE_LOA,MOM_LOAD_LOOP     ; Load file
0000   100  $NEXT
0050   101
0050   102  FIELD$
0000   103  $SBEXP   MOM_NODE_SLO,MOM_LOAD_LOOP     ; Secondary loader
0000   104  $NEXT
005C   105
005C   106  FIELD$
0000   107  $SBEXP   MCM_NODE_TLO,MOM_LOAD_LOOP     ; Tertiary loader
0000   108  $NEXT
0068   109
0068   110  FIELD$
0000   111  $SBEXP   MOM_NODE_STY,MOM_LOAD_LOOP     ; Software type
0000   112  $NEXT
0074   113
0074   114  FIELD$
0000   115  $SBEXP   MOM_NODE_SID,MOM_LOAD_LOOP     ; Software ID
0000   116  $NEXT
0080   117
0080   118  FIELD$
0000   119  $SBEXP   MOM_NODE_IHO,MOM_LOAD_LOOP     ; Host
0000   120  $NEXT
008C   121
008C   122  FIELD$
0000   123  $SBEXP   MOM_NODE_NNA,MOM_LOAD_LOOP     ; Name
```

MOMSERSTA
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J 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 4
MOM$NPA_LOAD Downline load state table   5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (3)

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```
0000   124 $NEXT
0098   125
0098   126 FIELD$
0000   127 $SBEXP    MOM_NODE_ADD,MOM_LOAD_LOOP        ; Address
0000   128 $NEXT
00A4   129
00A4   130 FIELD$
0000   131 $EOM      ,NPA$_EXIT
0000   132 $MATCH    2,MOM_PTY_ERR                     ; Unrecognized parameter type
0000   133 $NULL     ,MOM_FOR_ERR                      ; Format error
0000   134
0000   135 FIELD$                                      ; End of LOAD state table
0000   136
0000   137
0000   138
0000   139
0000   140 ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
0000   141 ; Upline dumping - currently VMS supports autoservice upline dumping only,
0000   142 ; but not the NCP command DUMP.
0000   143 ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
0000   144 ;
```

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K 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 5
MOMSNPA_LOAD Downline load state table   5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (4)

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```
0000   146
0000   147                    .SBTTL  MOMSNPA_TRIGGER Trigger parameter state table
0000   148
0000   149 ;
0000   150 ; Trigger
0000   151 ;
0000   152 $MSG$    MOMSNPA_TRIGGER
0000   153 ;
0000   154 ;
0000   155 ;
0000   156 ; TRIGGER parameter loop
0000   157 ;
0000   158 FIELD$   MOM_TRIG_LOOP
0000   159 $EOM     ,NPA$_EXIT
0000   160 $SBEXP   MOM_NODE_SLI,MOM_TRIG_LOOP       ; Service circuit
0000   161 $NEXT
00D4   162
00D4   163 FIELD$
0000   164 $SBEXP   MOM_NODE_SPA,MOM_TRIG_LOOP       ; Service password
0000   165 $NEXT
00E0   166
00E0   167 FIELD$
0000   168 $SBEXP   MOM_NODE_PHA,MOM_LOAD_LOOP       ; NI (Ethernet) Physical Address
0000   169 $NEXT
00EC   170
00EC   171 FIELD$
0000   172 $EOM     ,NPA$_EXIT
0000   173 $MATCH   2,MOM_PTY_ERR                    ; Unrecognized parameter type
0000   174 $NULL    ,MOM_FOR_ERR                     ; Format error
0000   175
0000   176 FIELD$                                    ; End of TRIGGER state table
```

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L 9
LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02   :48 VAX/VMS Macro V04-00   Page 6
MOM$NPA_CIRLOOP Circuit loop state table 5-SEP-1984 01   /:42 [MOM.SRC]MOMSERSTA.MAR;1   (5)

```
0000    178                    .SBTTL   MOM$NPA_CIRLOOP Circuit loop state table
0000    179
0000    180 ;
0000    181 ; Circuit loop
0000    182 ;
0000    183 $MSG$    MOM$NPA_CIRLOOP
0000    184 ;
0000    185 ; Loop Circuit Parameter loop
0000    186 ;
0000    187 FIELD$   MOM_LOOP_LOOP
0000    188 $EOM     ,MOM_CHECK_PARAMS
C?00    189 $SBEXP   MOM_NODE_PRA,MOM_LOOP_LOOP            ; NI (Ethernet) Physical Address
0000    190 $NEXT
011C    191
011C    192 FIELD$
0000    193 $SBEXP   MOM_NODE_LPC,MOM_LOOP_LOOP           ; Loop count
0000    194 $NEXT
0128    195
0128    196 FIELD$
0000    197 $SBEXP   MOM_NODE_LPL,MOM_LOOP_LOOP           ; Loop length
0000    198 $NEXT
0134    199
0134    200 FIELD$
0000    201 $SBEXP   MOM_NODE_LPD,MOM_LOOP_LOOP           ; Loop data type (LOOP WITH)
0000    202 $NEXT
0140    203
0140    204 FIELD$
0000    205 $SBEXP   MOM_NODE_LPA,MOM_LOOP_LOOP           ; Loop Assistant Physical
0000    206 $NEXT                                        ;         Address on NI
014C    207
014C    208 FIELD$
0000    209 $SBEXP   MOM_NODE_LPH,MOM_LOOP_LOOP           ; Loop help type
0000    210 $NEXT
0158    211
0158    212 FIELD$
0000    213 $SBEXP   MOM_NODE_LPN,MOM_LOOP_LOOP           ; Loop NI circuit node
0000    214 $NEXT
0164    215
0164    216 FIELD$
0000    217 $SBEXP   MOM_NODE_LAN,MOM_LOOP_LOOP           ; Loop NI circuit assistant
0000    218 $NEXT                                        ;         node
0170    219
0170    220 FIELD$
0000    221 $EOM     ,MOM_CHECK_PARAMS
0000    222 $MATCH   2,MOM_PTY_ERR                        ; Unrecognized parameter type
0000    223 $NULL    ,MOM_FOR_ERR                         ; Format error
0000    224
0000    225 FIELD$   MOM_CHECK_PARAMS
0000    226 $NULL    ,NPA$_EXIT,MOM$CHECK_LOOP_PARAMS
0000    227
0000    228 FIELD$
0000    229
```

```
0000     231
0000     232                 .SBTTL  MOM$NPA_NODE      Node parameter state table
0000     232
0000     233      ;+
0000     234      ; Node parameters state table
0000     235      ;-
0000     236
0000     237      IMSG$   MOM$NPA_NODE
0000     238
0000     239      FIELD$  MOM_NODE_SLI              ; Service circuit parameter
0000     240      $WORD   NMA$C_PCNO_SLI,MOM_IMG_SUB,MOM$CHECK_NODE_ENTITY,SVD$GK_PCNO_SLI, -
0000     241                              MOM$GL_SVD_INDEX
0000     242
0000     243      FIELD$  MOM_NODE_SPA              ; Service password parameter
0000     244      $WORD   NMA$C_PCNO_SPA,MOM_IMG_SUB,,SVD$GK_PCNO_SPA,MOM$GL_SVD_INDEX
0000     245
0000     246      FIELD$  MOM_NODE_SDV              ; Service device parameter
0000     247      $WORD   NMA$C_PCNO_SDV,,,SVD$GK_PCNO_SDV,MOM$GL_SVD_INDEX
0000     248      FIELD$
0000     249      $LOOK   NMA$C_SOFD_DP,MOM_BYTE_SUB       ; DP11
0000     250      $LOOK   NMA$C_SOFD_UNA,MOM_BYTE_SUB      ; UNA
0000     251      $LOOK   NMA$C_SOFD_DU,MOM_BYTE_SUB       ; DU11/DUV11
0000     252      $LOOK   NMA$C_SOFD_DL,MOM_BYTE_SUB       ; DL11
0000     253      $LOOK   NMA$C_SOFD_DQ,MOM_BYTE_SUB       ; DQ11
0000     254      $LOOK   NMA$C_SOFD_DA,MOM_BYTE_SUB       ; DA11
0000     255      $LOOK   NMA$C_SOFD_DUP,MOM_BYTE_SUB      ; DUP11
0000     256      $LOOK   NMA$C_SOFD_DMC,MOM_BYTE_SUB      ; DMC11
0000     257      $LOOK   NMA$C_SOFD_DTE,MOM_BYTE_SUB      ; DTE
0000     258      $LOOK   NMA$C_SOFD_KL8,MOM_BYTE_SUB      ; KL8
0000     259      $LOOK   NMA$C_SOFD_DMV,MOM_BYTE_SUB      ; DMV
0000     260      $LOOK   NMA$C_SOFD_DMP,MOM_BYTE_SUB      ; DMP
0000     261      $LOOK   NMA$C_SOFD_DPV,MOM_BYTE_SUB      ; DPV
0000     262      $LOOK   NMA$C_SOFD_DMF,MOM_BYTE_SUB      ; DMF
0000     263      $NULL   ,MOM_PVA_ERR                     ; Parameter value error
0000     264
0000     265      FIELD$  MOM_NODE_CPU                     ; CPU type
0000     266      $WORD   NMA$C_PCNO_CPU,,,SVD$GK_PCNO_CPU,MOM$GL_SVD_INDEX
0000     267      FIELD$                                   ; Verify legimate type
0000     268      ;$LOOK  NMA$C_CPU_8,MOM_BYTE_SUB
0000     269      $LOOK   NMA$C_CPU_11,MOM_BYTE_SUB
0000     270      ;$LOOK  NMA$C_CPU_1020,MOM_BYTE_SUB
0000     271      $LOOK   NMA$C_CPU_VAX,MOM_BYTE_SUB
0000     272      $NULL   ,MOM_PVA_ERR                     ; Parameter value error
0000     273
0000     274      FIELD$  MOM_NODE_PHA                     ; NI Physical Address
0000     275      $WORD   NMA$C_PCNO_PHA,MOM_NI_ADD_SUB,,SVD$GK_PCNO_PHA,MOM$GL_SVD_INDEX
0000     276
0000     277      FIELD$  MOM_NODE_LOA                     ; Load file parameter
0000     278      $WORD   NMA$C_PCNO_LOA,MOM_IMG_SUB,,SVD$GK_PCNO_LOA,MCM$GL_SVD_INDEX
0000     279
0000     280      FIELD$  MOM_NODE_SLO                     ; Secondary loader
0000     281      $WORD   NMA$C_PCNO_SLO,MOM_IMG_SUB,,SVD$GK_PCNO_SLO,MOM$GL_SVD_INDEX
0000     282
0000     283      FIELD$  MOM_NODE_TLO                     ; Tertiary loader parameter
0000     284      $WORD   NMA$C_PCNO_TLO,MOM_IMG_SUB,,SVD$GK_PCNO_TLO,MOM$GL_SVD_INDEX
0000     285
0000     286      FIELD$  MOM_NODE_STY                     ; Software type parameter
0000     287      $WORD   NMA$C_PCNO_STY,,,SVD$GK_PCNO_STY,MOM$GL_SVD_INDEX
```

```
0000   288 FIELD$                                                    ; Check legimate values
0000   289 $LOOK    NMA$C-SOFT_SECL,MOM_BYTE_SUB                     ; Secondary loader
0000   290 $LOOK    NMA$C-SOFT-TERL,MOM_BYTE_SUB                     ; Tertiary loader
0000   291 $LOOK    NMA$C-SOFT-OSYS,MOM_BYTE_SUB                     ; Operating system
0000   292 $NULL    ,MOM_PVA_ERR                                     ; Parameter value error
0000   293
0000   294 FIELD$   MOM_NODE_SID                                     ; Software id parameter
0000   295 $WORD    NMA$C_PCNO_SID,MOM_IMG_SUB,,SVD$GK_PCNO_SID,MOM$GL_SVD_INDEX
0000   296
0000   297 FIELD$   MOM_NODE_IHO                                     ; Host parameter
0000   298 $WORD    NMA$C_PCNO_IHO,MOM_NODE_SUB,,SVD$GK_PCNO_IHO,MOM$GL_SVD_INDEX
0000   299
0000   300 FIELD$   MOM_NODE_LPC                                     ; Loop count
0000   301 $WORD    NMA$C_PCNO_LPC,MOM_WORD_SUB,,SVD$GK_PCNO_LPC,MOM$GL_SVD_INDEX
0000   302
0000   303 FIELD$   MOM_NODE_LPL                                     ; Loop length
0000   304 $WORD    NMA$C_PCNO_LPL,MOM_WORD_SUB,,SVD$GK_PCNO_LPL,MOM$GL_SVD_INDEX
0000   305
0000   306 FIELD$   MOM_NODE_LPD                                     ; Loop data type
0000   307 $WORD    NMA$C_PCNO_LPD,MOM_BYTE_SUB,,SVD$GK_PCNO_LPD,MOM$GL_SVD_INDEX
0000   308
0000   309 FIELD$   MOM_NODE_LPA                                     ; Loop Assistant Physical Address on NI
0000   310 $WORD    NMA$C_PCNO_LPA,,,MOM$M_LOOP_W_ASSIST,MOM$GL_SERVICE_FLAGS
0000   311 FIELD$
0000   312 $NULL    ,MOM_NI_ADD_SUB,,SVD$GK_PCNO_LPA,MOM$GL_SVD_INDEX
0000   313
0000   314 FIELD$   MOM_NODE_LPH                                     ; Loop Help Type
0000   315 $WORD    NMA$C_PCNO_LPH,,,SVD$GK_PCNO_LPH,MOM$GL_SVD_INDEX
0000   316 FIELD$                                                    ; Check legimate values
0000   317 $LOOK    NMA$C_LOOP_XMIT,MOM_BYTE_SUB                     ; Use help on loop transmit
0000   318 $LOOK    NMA$C_LOOP_RECV,MOM_BYTE_SUB                     ; Use help on loop receive
0000   319 $LOOK    NMA$C_LOOP_FULL,MOM_BYTE_SUB                     ; Use help on both transmit and receive.
0000   320 $NULL    ,MOM_PVA_ERR                                     ; Parameter value error
0000   321
0000   322 FIELD$   MOM_NODE_LPN                                     ; Loop circuit node ID
0000   323 $WORD    NMA$C_PCNO_LPN,MOM_NODE_SUB,,SVD$GK_PCNO_LPN,MOM$GL_SVD_INDEX
0000   324
0000   325 FIELD$   MOM_NODE_LAN                                     ; Loop circuit assistant node ID
0000   326 $WORD    NMA$C_PCNO_LAN,,,MOM$M_LOOP_W_ASSIST,MOM$GL_SERVICE_FLAGS
0000   327 FIELD$
0000   328 $NULL    ,MOM_NODE_SUB,,SVD$GK_PCNO_LAN,MOM$GL_SVD_INDEX
0000   329
0000   330 FIELD$   MOM_NODE_NNA                                     ; Name
0000   331 $WORD    NMA$C_PCNO_NNA,,,SVD$GK_PCNO_NNA,MOM$GL_SVD_INDEX
0000   332 FIELD$
0000   333 $IMAGE   6,NPA$_EXIT,MOM$SAVE_PARAM
0000   334 $NULL    ,MOM_FOR_ERR
0000   335
0000   336 FIELD$   MOM_NODE_ADD                                     ; Address
0000   337 $WORD    NMA$C_PCNO_ADD,MOM_NODE_ACDR_SUB,,SVD$GK_PCNO_ADD,MOM$GL_SVD_INDEX
0000   338
0000   339 FIELD$                                                    ; End of node parameter states
```

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LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48 VAX/VMS Macro V04-00   Page 9
MOM$NPA_SERSUB Common service parameter   5-SEP-1984 01:59:42 [MOM.SRC]MOMSERSTA.MAR;1   (8)

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```
0000    341              .SBTTL   MOM$NPA_SERSUB   Common service parameter subexpressions
0000    342
0000    343  ;
0000    344  ; Common subexpressions
0000    345  ;
0000    346  iMSG$    MOM$NPA_SERSUB
0000    347  ;
0000    348  ; Host node address or name parameter
0000    349  ;
0000    350  FIELD$   MOM_NODE_SUB
0000    351  $LOOK    0,MOM_NODENUMBER
0000    352  $IMAGE   6,NPA$_EXIT,MOM$SAVE_NODE_ID,,,MOM$C_NODE_ID_PARAM
0000    353
0000    354  FIELD$   MOM_NODENUMBER
0000    355  $MATCH   3,NPA$_EXIT,MOM$SAVE_NODE_ID,,,MOM$C_NODE_ID_PARAM
0000    356  $NULL    ,MOM_FOR_ERR              ; Format error
0000    357
0000    358  FIELD$   MOM_NODE_ADDR_SUB
0000    359  $MATCH   2,NPA$_EXIT,MOM$SAVE_NODE_ID,,,MOM$C_NODE_ADDR_PARAM
0000    360  $NULL    ,MOM_FOR_ERR             ; Format error
0000    361  ;
0000    362  ; Byte parameter
0000    363  ;
0000    364  FIELD$   MOM_BYTE_SUB
0000    365  $MATCH   1,NPA$_EXIT,MOM$SAVE_PARAM
0000    366  $NULL    ,MOM_FOR_ERR             ; Format error
0000    367  ;
0000    368  ; Word parameter
0000    369  ;
0000    370  FIELD$   MOM_WORD_SUB
0000    371  $MATCH   2,NPA$_EXIT,MOM$SAVE_PARAM
0000    372  $NULL    ,MOM_FOR_ERR             ; Format error
0000    373  ;
0000    374  ; Longword parameter
0000    375  ;
0000    376  FIELD$   MOM_LONG_SUB
0000    377  $MATCH   4,NPA$_EXIT,MOM$SAVE_PARAM
0000    378  $NULL    ,MOM_FOR_ERR             ; Format error
0000    379  ;
0000    380  ; Image (string) parameter
0000    381  ;
0000    382  FIELD$   MOM_IMG_SUB
0000    383  $IMAGE   255,NPA$_EXIT,MOM$SAVE_PARAM
0000    384  $NULL    ,MOM_FOR_ERR             ; Format error
0000    385  ;
0000    386  ; NI Address Hex Image (string) parameter
0000    387  ;
0000    388  FIELD$   MOM_NI_ADD_SUB
0000    389  $IMAGE   6,NPA$_EXIT,MOM$SAVE_PARAM
0000    390  $NULL    ,MOM_FOR_ERR             ; Format error
0000    391  ;
0000    392  ; Unrecognized parameter type error
0000    393  ;
0000    394  FIELD$   MOM_PTY_ERR
0000    395  $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_PTY
0000    396  ;
0000    397  ; Parameter value error
```

```
0000    398 ;
0000    399 FIELD$   MOM_PVA_ERR
0000    400 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_PVA
0000    401 ;
0000    402 ; Message format error
0000    403 ;
0000    404 FIELD$   MOM_FOR_ERR
0000    405 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_INV
0000    406 ;
0000    407 ; End of common parsing states
0000    408 ;
0000    409 FIELD$
0000    410
0000    411         .END
```

D 10

MOMSERSTA   LOAD/TRIGGER/DUMP/LINE LOOP STATE TABLES 16-SEP-1984 02:14:48   VAX/VMS Macro V04-00   Page 11
Symbol table   5-SEP-1984 01:59:42   [MOM.SRC]MOMSERSTA.MAR;1   (8)

Symbol	Value	Flags		Symbol	Value
FLG$$$	= FFFFFFFF			NMA$C_PCNO_CPU	= 00000071
MOM$CHECK_LOOP_PARAMS	********	X	03	NMA$C_PCNO_IHO	= 0000008D
MOM$CHECK_NODE_ENTITY	********	X	03	NMA$C_PCNO_LAN	= 0000009C
MOM$C_NODE_ADDR_PARAM	= 00000001			NMA$C_PCNO_LOA	= 00000078
MOM$C_NODE_ID_PARAM	= 00000000			NMA$C_PCNO_LPA	= 00000099
MOM$GL_SERVICE_FLAGS	********	X	03	NMA$C_PCNO_LPC	= 00000096
MOM$GL_SVD_INDEX	********	X	03	NMA$C_PCNO_LPD	= 00000098
MOM$M_LOOP_W_ASSIST	= 00000008			NMA$C_PCNO_LPH	= 0000009A
MOM$NPA_CIRLOOP	00000108	RG	03	NMA$C_PCNO_LPL	= 00000097
MOM$NPA_LOAD	00000000	RG	03	NMA$C_PCNO_LPN	= 0000009B
MOM$NPA_NODE	00000198	RG	03	NMA$C_PCNO_NNA	= 000001F4
MOM$NPA_SERSUB	00000470	RG	03	NMA$C_PCNO_PHA	= 0000000A
MOM$NPA_TRIGGER	000000C0	RG	03	NMA$C_PCNO_SDV	= 00000070
MOM$PARSE_ERROR	********	X	03	NMA$C_PCNO_SID	= 0000007E
MOM$SAVE_NODE_ID	********	X	03	NMA$C_PCNO_SLI	= 0000006E
MOM$SAVE_PARAM	********	X	03	NMA$C_PCNO_SLO	= 00000079
MOM_BYTE_SUB	000004C8	R	03	NMA$C_PCNO_SPA	= 0000006F
MOM_CHECK_PARAMS	0000018C	R	03	NMA$C_PCNO_STY	= 0000007D
MOM_FOR_ERR	00000568	R	03	NMA$C_PCNO_TLO	= 0000007A
MOM_IMG_SUB	00000510	R	03	NMA$C_SOFD_DA	= 00000008
MOM_LOAD_LOOP	00000000	R	03	NMA$C_SOFD_DL	= 00000004
MOM_LONG_SUB	000004F8	R	03	NMA$C_SOFD_DMC	= 0000000C
MOM_LOOP_LOOP	00000108	R	03	NMA$C_SOFD_DMF	= 00000026
MOM_NI_ADD_SUB	00000528	R	03	NMA$C_SOFD_DMP	= 00000012
MOM_NODENUMBER	00000490	R	03	NMA$C_SOFD_DMV	= 00000022
MOM_NODE_ADD	0000045C	R	03	NMA$C_SOFD_DP	= 00000000
MOM_NODE_ADDR_SUB	000004AC	R	03	NMA$C_SOFD_DPV	= 00000024
MOM_NODE_CPU	00000284	R	03	NMA$C_SOFD_DQ	= 00000006
MOM_NODE_IHO	00000354	R	03	NMA$C_SOFD_DTE	= 00000014
MOM_NODE_LAN	00000414	R	03	NMA$C_SOFD_DU	= 00000002
MOM_NODE_LOA	000002C8	R	03	NMA$C_SOFD_DUP	= 0000000A
MOM_NODE_LPA	000003A4	R	03	NMA$C_SOFD_KL8	= 00000020
MOM_NODE_LPC	00000368	R	03	NMA$C_SOFD_UNA	= 00000001
MOM_NODE_LPD	00000390	R	03	NMA$C_SOFT_OSYS	= 00000002
MOM_NODE_LPH	000003C4	R	03	NMA$C_SOFT_SECL	= 00000000
MOM_NODE_LPL	0000037C	R	03	NMA$C_SOFT_TERL	= 00000001
MOM_NODE_LPN	00000400	R	03	NMA$C_STS_INV	= FFFFFFFE
MOM_NODE_NNA	00000434	R	03	NMA$C_STS_PTY	= FFFFFFFA
MOM_NODE_PHA	00000284	R	03	NMA$C_STS_PVA	= FFFFFFF0
MOM_NODE_SDV	000001C4	R	03	NPA$M_ACTION	= 00000004
MOM_NODE_SID	00000340	R	03	NPA$M_EXT	= 00000001
MOM_NODE_SLI	00000198	R	03	NPA$M_LAST	= 00008000
MOM_NODE_SLO	000002DC	R	03	NPA$M_MASK	= 00000010
MOM_NODE_SPA	000001B0	R	03	NPA$M_MSKADR	= 00000020
MOM_NODE_STY	00000304	R	03	NPA$M_OFFSET	= 00000040
MOM_NODE_SUB	00000470	R	03	NPA$M_PARAM	= 00000002
MOM_NODE_TLO	000002F0	R	03	NPA$M_STATE	= 00000008
MOM_PTY_ERR	00000540	R	03	NPA$_ADVANCE	= 00000001
MOM_PVA_ERR	00000554	R	03	NPA$_BYTE	= 00000003
MOM_TRIG_LOOP	000000C0	R	03	NPA$_EOM	= 00000004
MOM_WORD_SUB	000004E0	R	03	NPA$_ERROR	= 00000007
NMA$C_CPD_11	= 00000001			NPA$_EXIT	= 00000000
NMA$C_CPU_VAX	= 00000003			NPA$_EXTZV	= 0000000A
NMA$C_LOOP_FULL	= 00000002			NPA$_FAIL	= FFFFFFFF
NMA$C_LOOP_RECV	= 00000001			NPA$_IMAGE	= 00000000
NMA$C_LOOP_XMIT	= 00000000			NPA$_LOOK	= 00000009
NMA$C_PCNO_ADD	= 000001F6			NPA$_MASK	= 00000002

```
NPA$_MATCH           = 00000008
NPA$_NULL            = 00000005
NPA$_SBEXP           = 00000006
NPA$_WORD            = 00000001
NXT$$$               = 00000000
SVD$GK_PCNO_ADD      = ********    X   03
SVD$GK_PCNO_CPU      = ********    X   03
SVD$GK_PCNO_IHO      = ********    X   03
SVD$GK_PCNO_LAN      = ********    X   03
SVD$GK_PCNO_LOA      = ********    X   03
SVD$GK_PCNO_LPA      = ********    X   03
SVD$GK_PCNO_LPC      = ********    X   03
SVD$GK_PCNO_LPD      = ********    X   03
SVD$GK_PCNO_LPH      = ********    X   03
SVD$GK_PCNO_LPL      = ********    X   03
SVD$GK_PCNO_LPN      = ********    X   03
SVD$GK_PCNO_NNA      = ********    X   03
SVD$GK_PCNO_PHA      = ********    X   03
SVD$GK_PCNO_SDV      = ********    X   03
SVD$GK_PCNO_SID      = ********    X   03
SVD$GK_PCNO_SLI      = ********    X   03
SVD$GK_PCNO_SLO      = ********    X   03
SVD$GK_PCNO_SPA      = ********    X   03
SVD$GK_PCNO_STY      = ********    X   03
SVD$GK_PCNO_TLO      = ********    X   03
```

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

PSECT name	Allocation	PSECT No.	Attributes										
. ABS .	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
. BLANK .	00000000 (0.)	01 (1.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
ABS	00000000 (0.)	02 (2.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
NPA$STATE	0000057C (1404.)	03 (3.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	NOWRT	NOVEC	BYTE

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.08	00:00:00.33
Command processing	134	00:00:00.94	00:00:05.51
Pass 1	495	00:00:24.99	00:00:48.02
Symbol table sort	0	00:00:01.35	00:00:01.84
Pass 2	83	00:00:04.66	00:00:09.00
Symbol table output	17	00:00:00.18	00:00:00.90
Psect synopsis output	1	00:00:00.03	00:00:00.28
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	762	00:00:32.25	00:01:05.92

The working set limit was 1800 pages.
129652 bytes (254 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 1009 non-local and 0 local symbols.
411 source lines were read in Pass 1, producing 25 object records in Pass 2.

32 pages of virtual memory were used to define 29 macros.

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

Macro library name                          Macros defined
------------------                          --------------
-$255$DUA28:[SHRLIB]NMALIBRY.MLB;1                 1
-$255$DUA28:[SYS.OBJ]LIB.MLB;1                     0
-$255$DUA28:[MOM.OBJ]MOMLIB.MLB;1                 15
-$255$DUA28:[SYSLIB]STARLET.MLB;2                  3
TOTALS (all libraries)                            19
```

1209 GETS were required to define 19 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:MOMSERSTA/OBJ=OBJ$:MOMSERSTA MSRC$:MOMSERSTA/UPDATE=(ENH$:MOMSERSTA)+LIB$:MOMLIB/LIB+EXECML$/LIB+SHRLIB$:NMALIBRY/LIB

MOMMSG
LIS

MOMMAIN
LIS

MOMPARSE
LIS

MOMSERSTA
LIS

MOMMOPSTA
LIS

MOMSERVIC
LIS

MOMMOPLIO
LIS

MOMTESSTA
LIS

MOMRSXDEF
LIS

MOMSUBS
LIS