**FILE**ID**MOMINISTA

MOMINISTA...

LISTS

```
0000      1          .TITLE  MOMINISTA      INITIAL STATE TABLES
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:  DECnet-VAX Network Management Maintenance Operations Module (MOM)
0000     31 ;
0000     32 ; ABSTRACT:
0000     33 ;       This module contains the NPARSE tables for parsing the beginning
0000     34 ;       of NICE commands.  The tables are used to parse the function code
0000     35 ;       and the entity ID.  The parameters are parsed later.
0000     36 ;
0000     37 ; ENVIRONMENT:  VAX/VMS Operating System
0000     38 ;
0000     39 ; AUTHOR:  Kathy Perko
0000     40 ;
0000     41 ; CREATION DATE: 9-Jan-1982
0000     42 ;
0000     43 ; MODIFIED BY:
0000     44
0000     45 ;--
```

MOMINISTA
V04-000

INITIAL STATE TABLES

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5-SEP-1984 01:59:07   [MOM.SRC]MOMINISTA.MAR;1          (2)

```
0000      47 ;
0000      48 ; INCLUDE FILES:
0000      49 ;
0000      50
0000      51 $NMADEF                                 ; Network Management Layer definitions
0000      52 $MOMDEF                                 ; MOM definitions
0000      53
0000      54        .SBTTL  MOM$NPA_INIT - NICE Phase III message parse tables
0000      55 ;+
0000      56 ; Phase III parse tables
0000      57 ;-
0000      58 IMSG$   MOM$NPA_INIT
0000      59 ;
0000      60 ; Get the function code
0000      61 ;
0000      62 FIELD$
0000      63 $BYTE    NMA$C_FNC_LOA,MOM_LOA,MOM$PARSE_FUNCTION ; Load
0000      64 $BYTE    NMA$C_FNC_SYS,MOM_CC_LOA                 ; Console Carrier Load
0000      65 $BYTE    NMA$C_FNC_TRI,MOM_TRI,MOM$PARSE_FUNCTION ; Trigger
0000      66 $BYTE    NMA$C_FNC_TES,MOM_TES,MOM$PARSE_FUNCTION ; Test
0000      67 ;$BYTE   NMA$C_FNC_DUM,MOM_DUM,MOM$PARSE_FUNCTION ; Dump
0000      68 $NULL    ,MOM_FUN_ERR                             ; Unrecognized function
0000      69 ;
0000      70 ; Down-line load
0000      71 ;
0000      72 FIELD$   MOM_CC_LOA
0000      73 $BYTE    NMA$C_SYS_VMS,MOM_CC_FUNC,,-     ; Down line load console carrier
0000      74          MOM$M_CONSOLE_CARRIER_LOAD,MOM$GL_SERVICE_FLAGS
0000      75 $NULL    ,MOM_FUN_ERR                     ; Unrecognized function
0000      76
0000      77 FIELD$   MOM_CC_FUNC
0000      78 $BYTE    NMA$C_FNC_LOA,MOM_LOA,MOM$PARSE_FUNCTION ; Load
0000      79 $NULL    ,MOM_FUN_ERR                     ; Unrecognized function
0000      80
0000      81 FIELD$   MOM_LOA
0000      82 $$SBEXP  MOM_CHK_ENT_SUB,NPA$_EXIT        ; Parse entity id
0000      83 ;
0000      84 ; Trigger bootstrap
0000      85 ;
0000      86 FIELD$   MOM_TRI
0000      87 $$SBEXP  MOM_CHK_ENT_SUB,NPA$_EXIT        ; Parse entity id
0000      88 ;
0000      89 ; Send test message
0000      90 ;
0000      91 FIELD$   MOM_TES
0000      92 $$SBEXP  MOM_CHK_TEST_ENT_SUB,NPA$_EXIT  ; Parse test entity id
```

```
0000      94              .SBTTL   Entity parsing
0000      95
0000      96      ;
0000      97      ; Parse the entity for a load or trigger command, according to the option byte
0000      98      ;
0000      99 FIELD$   MOM_CHK_ENT_SUB
0000     100 $BYTE    NMA$C_ENT_CIR,MOM_CIRCUIT_ENT                      ; circuit
0000     101 $BYTE    NMA$C_ENT_NOD,MOM_NODE_ENT                        ; node
0000     102 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_IDE                 ; Invalid ID error
0000     103
0000     104      ;
0000     105      ; Parse the entity for a loop command, according to the option byte
0000     106      ;
0000     107 FIELD$   MOM_CHK_TEST_ENT_SUB
0000     108 $BYTE    NMA$C_ENT_CIR,MOM_CIRCUIT_ENT                     ; circuit
0000     109 $BYTE    NMA$C_ENT_LIN,MOM_LINE_ENT                        ; line
0000     110 $BYTE    NMA$C_ENT_NOD!NMA$M_OPT_ACC,MOM_NODE_ENT,,-       ; node
0000     111          MOM$M_LOOP_W_ACCESS_CTL,MOM$GL_SERVICE_FLAGS
0000     112 $BYTE    NMA$C_ENT_NOD,MOM_NODE_ENT                        ; node
0000     113 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_IDE                 ; Invalid ID error
0000     114
```

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```
0000   116 ;
0000   117 ; Circuit id
0000   118 ;
0000   119 FIELD$   MOM_CIRCUIT_ENT
0000   120 $EOM     ,MOM_FOR_ERR
0000   121 $IMAGE   16,NPA$_EXIT,MOM$PARSE_ENTITY_ID,,,MOM$C_CIRCUIT
0000   122 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_IDE ; Invalid id error
0000   123
0000   124 ;
0000   125 ; Node id
0000   126 ;
0000   127 FIELD$   MOM_NODE_ENT
0000   128 $EOM     ,MOM_FOR_ERR
0000   129 $BYTE    0, MOM_NODNUM
0000   130 $IMAGE   6,NPA$_EXIT,MOM$PARSE_ENTITY_ID,,,MOM$C_NODEBYNAME
0000   131 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_IDE ; Invalid id error
0000   132
0000   133 FIELD$   MOM_NODNUM
0000   134 $MATCH   2,NPA$_EXIT,MOM$PARSE_ENTITY_ID,,,MOM$C_NODE
0000   135 $NULL    ,MOM_FOR_ERR
0000   136
0000   137 ;
0000   138 ; Line id
0000   139 ;
0000   140 FIELD$   MOM_LINE_ENT
0000   141 $EOM     ,MOM_FOR_ERR
0000   142 $IMAGE   16,NPA$_EXIT,MOM$PARSE_ENTITY_ID,,,MOM$C_LINE
0000   143 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_IDE ; Invalid id error
0000   144
0000   145 ;
0000   146 ; Check the option byte for illegal bits and save it
0000   147 ;
0000   148 FIELD$   MOM_CHKOPT_SUB                     ; Check for valid option
0000   149 $EOM     ,MOM_FOR_ERR                       ; Message format error
0000   150 $LOOK    ,NPA$_EXIT,MOM$PARSE_OPTION        ;
0000   151 $NULL    ,MOM_FUN_ERR                       ; Unrecognized option
0000   152
0000   153 FIELD$   MOM_FUN_ERR                        ; Illegal function or option
0000   154 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_FUN
0000   155
0000   156 FIELD$   MOM_FOR_ERR                        ; Message format error
0000   157 $ERROR   ,,MOM$PARSE_ERROR,,,NMA$C_STS_INV
0000   158
0000   159 FIELD$
0000   160
0000   161          .END
```

```
FLG$$$                               = FFFFFFFF                NPA$_MATCH                     = 00000008
MOM$C_CIRCUIT                        = 00000002                NPA$_NULL                      = 00000005
MOM$C_LINE                           = 00000003                NPA$_SBEXP                     = 00000006
MOM$C_NODE                           = 00000000                NPA$_WORD                      = 00000001
MOM$C_NODEBYNAME                     = 00000001                NXT$$$                         = 00000000
MOM$GC_SERVICE_FLAGS                   ********   X   03
MOM$M_CONSOLE_CARRIER_LOAD           = 00000040
MOM$M_LOOP_W_ACCESS_CTL              = 00000010
MOM$NPA_INIT                           00000000 RG    03
MOM$PARSE_ENTITY_ID                    ********   X   03
MOM$PARSE_ERROR                        ********   X   03
MOM$PARSE_FUNCTION                     ********   X   03
MOM$PARSE_OPTION                       ********   X   03
MOM_CC_FUNC                            00000060 R     03
MOM_CC_LOA                             00000044 R     03
MOM_CHKOPT_SUB                         000001CC R     03
MOM_CHK_ENT_SUB                        0000009C R     03
MOM_CHK_TEST_ENT_SUB                   000000C8 R     03
MOM_CIRCUIT_ENT                        00000114 R     03
MOM_FOR_ERR                            000001FC R     03
MOM_FUN_ERR                            000001E8 R     03
MOM_LINE_ENT                           0000019C R     03
MOM_LOA                                00000078 R     03
MOM_NODE_ENT                           00000144 R     03
MOM_NODNUM                             00000180 R     03
MOM_TES                                00000090 R     03
MOM_TRI                                00000084 R     03
NMA$C_ENT_CIR                        = 00000003
NMA$C_ENT_LIN                        = 00000001
NMA$C_ENT_NOD                        = 00000000
NMA$C_FNC_LOA                        = 0000000F
NMA$C_FNC_SYS                        = 00000016
NMA$C_FNC_TES                        = 00000012
NMA$C_FNC_TRI                        = 00000011
NMA$C_STS_FUN                        = FFFFFFFF
NMA$C_STS_IDE                        = FFFFFFF7
NMA$C_STS_INV                        = FFFFFFFE
NMA$C_SYS_VMS                        = 00000004
NMA$M_OPT_ACC                        = 00000080
NPA$M_ACTION                         = 00000000
NPA$M_EXT                            = 00000001
NPA$M_LAST                           = 00008000
NPA$M_MASK                           = 00000010
NPA$M_MSKADR                         = 00000020
NPA$M_OFFSET                         = 00000040
NPA$M_PARAM                          = 00000002
NPA$M_STATE                          = 00000008
NPA$_ADVANCE                         = 00000001
NPA$_BYTE                            = 00000003
NPA$_EOM                             = 00000004
NPA$_ERROR                           = 00000007
NPA$_EXIT                            = 00000000
NPA$_EXTZV                           = 0000000A
NPA$_FAIL                            = FFFFFFFF
NPA$_IMAGE                           = 00000000
NPA$_LOOK                            = 00000009
NPA$_MASK                            = 00000002
```

```
                                     +------------------+
                                     ! 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                  00000210  (   528.)   03 (  3.)  NOPIC  USR  CON  REL  LCL  NOSHR  NOEXE  RD     NOWRT  NOVEC  BYTE


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


Phase                    Page faults   CPU Time       Elapsed Time
-----                    -----------   --------       ------------
Initialization                29       00:00:00.06    00:00:00.54
Command processing           131       00:00:00.85    00:00:04.92
Pass 1                       373       00:00:14.18    00:00:29.78
Symbol table sort              0       00:00:01.31    00:00:01.35
Pass 2                        45       00:00:02.23    00:00:03.12
Symbol table output            9       00:00:00.09    00:00:00.13
Psect synopsis output          2       00:00:00.03    00:00:00.05
Cross-reference output         0       00:00:00.00    00:00:00.00
Assembler run totals         591       00:00:18.76    00:00:39.89
```

The working set limit was 1650 pages.
70182 bytes (138 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 962 non-local and 0 local symbols.
161 source lines were read in Pass 1, producing 17 object records in Pass 2.
31 pages of virtual memory were used to define 28 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               14
_$255$DUA28:[SYSLIB]STARLET.MLB;2                3
TOTALS (all libraries)                          18
```

1203 GETS were required to define 18 macros.

There were no errors, warnings or information messages.

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

MOMBLDMSG
LIS

MOMINISTA
LIS

MOMLOAD
LIS

MOMACPIO
LIS

MOMDAT
LIS

NMAHEAD
B32

NPADEF
SDL

MOMDEF
SDL

NMATAIL
B32

MOMINISTA
LIS

MOMDDL
B32

NPAMAC
MAR

MOMLIB
LIS

MOMFILTO
LIS