


```

MM      MM      000000      MM      MM      IIIIII      NN      NN      IIIIII      SSSSSSSS      TTTTTTTTTT      AAAAAA
MM      MM      000000      MM      MM      IIIIII      NN      NN      IIIIII      SSSSSSSS      TTTTTTTTTT      AAAAAA
MMMM    MMMM    00      00      MMMM    MMMM      II      NN      NN      II      SS      TT      AA      AA
MMMM    MMMM    00      00      MMMM    MMMM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NNNN   NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NNNN   NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SSSSSS  TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SSSSSS  TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      00      00      MM      MM      II      NN      NN      II      SS      TT      AA      AA
MM      MM      000000      MM      MM      IIIIII      NN      NN      IIIIII      SSSSSSSS  TT      AA      AA
MM      MM      000000      MM      MM      IIIIII      NN      NN      IIIIII      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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

(2) 54
(3) 94

MOMSNPA_INIT - NICE Phase III message parse tables
Entity parsing

```
0000 1 .TITLE MOMINISTA INITIAL STATE TABLES
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 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 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 :--
```

```
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 MSGS MOM$NPA_INIT  
0000 59 :  
0000 60 : Get the function code  
0000 61 :  
0000 62 FIELDS$  
0000 63 $BYTE NMASC_FNC_LOA,MOM_LOA,MOM$PARSE_FUNCTION ; Load  
0000 64 $BYTE NMASC_FNC_SYS,MOM_CC_LOA ; Console Carrier Load  
0000 65 $BYTE NMASC_FNC_TRI,MOM_TRI,MOM$PARSE_FUNCTION ; Trigger  
0000 66 $BYTE NMASC_FNC_TES,MOM_TES,MOM$PARSE_FUNCTION ; Test  
0000 67 $BYTE NMASC_FNC_DUM,MOM_DUM,MOM$PARSE_FUNCTION ; Dump  
0000 68 $NULL ,MOM_FUN_ERR ; Unrecognized function  
0000 69 :  
0000 70 : Down-Line load  
0000 71 :  
0000 72 FIELDS$ MOM_CC_FUNC  
0000 73 $BYTE NMASC_SYS_VMS,MOM_CC_FUNC,- ; Down line load console carrier  
0000 74 MOM$M_CONSOLE_CARRIER_LOAD,MOM$GL_SERVICE_FLAGS  
0000 75 $NULL ,MOM_FUN_ERR ; Unrecognized function  
0000 76 :  
0000 77 FIELDS$ MOM_CC_FUNC  
0000 78 $BYTE NMASC_FNC_LOA,MOM_LOA,MOM$PARSE_FUNCTION ; Load  
0000 79 $NULL ,MOM_FUN_ERR ; Unrecognized function  
0000 80 :  
0000 81 FIELDS$ MOM_LOA  
0000 82 $$BEXP MOM_CHK_ENT_SUB,NPAS_EXIT ; Parse entity id  
0000 83 :  
0000 84 : Trigger bootstrap  
0000 85 :  
0000 86 FIELDS$ MOM_TRI  
0000 87 $$BEXP MOM_CHK_ENT_SUB,NPAS_EXIT ; Parse entity id  
0000 88 :  
0000 89 : Send test message  
0000 90 :  
0000 91 FIELDS$ MOM_TES  
0000 92 $$BEXP MOM_CHK_TEST_ENT_SUB,NPAS_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 FIELDS MOM_CHK_ENT_SUB
0000 100 $BYTE NMASC_ENT_CIR,MOM_CIRCUIT_ENT ; circuit
0000 101 $BYTE NMASC_ENT_NOD,MOM_NODE_ENT ; node
0000 102 $ERROR ,,MOM$PARSE_ERROR,,NMASC_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 FIELDS MOM_CHK_TEST_ENT_SUB
0000 108 $BYTE NMASC_ENT_CIR,MOM_CIRCUIT_ENT ; circuit
0000 109 $BYTE NMASC_ENT_LIN,MOM_LINE_ENT ; line
0000 110 $BYTE NMASC_ENT_NOD,NMASC_OPT_ACC,MOM_NODE_ENT,,- ; node
0000 111 MOM$M_LOOP_W_ACCESS_CTL,MOM$GL_SERVICE_FLAGS
0000 112 $BYTE NMASC_ENT_NOD,MOM_NODE_ENT ; node
0000 113 $ERROR ,,MOM$PARSE_ERROR,,NMASC_STS_IDE ; Invalid ID error
0000 114
```

```
0000 116 :  
0000 117 : Circuit id  
0000 118 :  
0000 119 FIELDS MOM_CIRCUIT_ENT  
0000 120 $EOM ,MOM_FOR_ERR  
0000 121 $IMAGE 16,NPAS_EXIT,MOMSPARSE_ENTITY_ID,,,MOMSC_CIRCUIT  
0000 122 $ERROR ,,MOMSPARSE_ERROR,,,NMASC_STS_IDE ; Invalid id error  
0000 123 :  
0000 124 :  
0000 125 : Node id  
0000 126 :  
0000 127 FIELDS MOM_NODE_ENT  
0000 128 $EOM ,MOM_FOR_ERR  
0000 129 $BYTE 0, MOM_NODNUM  
0000 130 $IMAGE 6,NPAS_EXIT,MOMSPARSE_ENTITY_ID,,,MOMSC_NODEBYNAME  
0000 131 $ERROR ,,MOMSPARSE_ERROR,,,NMASC_STS_IDE ; Invalid id error  
0000 132 :  
0000 133 FIELDS MOM_NODNUM  
0000 134 $MATCH 2,NPAS_EXIT,MOMSPARSE_ENTITY_ID,,,MOMSC_NODE  
0000 135 $NULL ,MOM_FOR_ERR  
0000 136 :  
0000 137 :  
0000 138 : Line id  
0000 139 :  
0000 140 FIELDS MOM_LINE_ENT  
0000 141 $EOM ,MOM_FOR_ERR  
0000 142 $IMAGE 16,NPAS_EXIT,MOMSPARSE_ENTITY_ID,,,MOMSC_LINE  
0000 143 $ERROR ,,MOMSPARSE_ERROR,,,NMASC_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 FIELDS MOM_CHKOPT_SUB ; Check for valid option  
0000 149 $EOM ,MOM_FOR_ERR ; Message format error  
0000 150 $LOOK ,NPAS_EXIT,MOMSPARSE_OPTION ;  
0000 151 $NULL ,MOM_FUN_ERR ; Unrecognized option  
0000 152 :  
0000 153 FIELDS MOM_FUN_ERR ; Illegal function or option  
0000 154 $ERROR ,,MOMSPARSE_ERROR,,,NMASC_STS_FUN ;  
0000 155 :  
0000 156 FIELDS MOM_FOR_ERR ; Message format error  
0000 157 $ERROR ,,MOMSPARSE_ERROR,,,NMASC_STS_INV ;  
0000 158 :  
0000 159 FIELDS  
0000 160 :  
0000 161 .END
```

MOMINISTA
Symbol table

INITIAL STATE TABLES

K 11

16-SEP-1984 02:13:04 VAX/VMS Macro V04-00
5-SEP-1984 01:59:07 [MOM.SRC]MOMINISTA.MAR;1

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```

FLGSSS          = FFFFFFFF
MOMSC_CIRCUIT  = 00000002
MOMSC_LINE     = 00000003
MOMSC_NODE     = 00000000
MOMSC_NODEBYNAME = 00000001
MOMSGC_SERVICE_FLAGS = ***** X 03
MOMSM_CONSOLE_CARRIER_LOAD = 00000040
MOMSM_LOOP_W_ACCESS_CTL = 00000010
MOMSNPA_INIT   = 00000000 RG 03
MOMSPARSE_ENTITY_ID = ***** X 03
MOMSPARSE_ERROR = ***** X 03
MOMSPARSE_FUNCTION = ***** X 03
MOMSPARSE_OPTION = ***** X 03
MOM_CC_FUNC    = 00000060 R 03
MOM_CC_LOA     = 00000044 R R 03
MOM_CHKOPT_SUB = 000001CC R R 03
MOM_CHK_ENT_SUB = 0000009C R R 03
MOM_CHK_TEST_ENT_SUB = 000000C8 R R 03
MOM_CIRCUIT_ENT = 00000114 R R 03
MOM_FOR_ERR    = 000001FC R R 03
MOM_FUN_ERR    = 000001E8 R R 03
MOM_LINE_ENT   = 0000019C R R 03
MOM_LOA        = 00000078 R R 03
MOM_NODE_ENT   = 00000144 R R 03
MOM_NODNOM     = 00000180 R R 03
MOM_TES        = 00000090 R R 03
MOM_TRI        = 00000084 R 03
NMASC_ENT_CIR  = 00000003
NMASC_ENT_LIN  = 00000001
NMASC_ENT_NOD  = 00000000
NMASC_FNC_LOA  = 0000000F
NMASC_FNC_SYS  = 00000016
NMASC_FNC_TES  = 00000012
NMASC_FNC_TRI  = 00000011
NMASC_STS_FUN  = 00000011
NMASC_STS_IDE  = FFFFFFFF
NMASC_STS_INV  = FFFFFFF7
NMASC_SYS_VMS  = FFFFFFFE
NPASH_OPT_ACC  = 00000004
NPASH_ACTION   = 00000080
NPASH_EXT      = 00000004
NPASH_LAST     = 00000001
NPASH_MASK     = 00008000
NPASH_MSKADR   = 00000010
NPASH_OFFSET   = 00000020
NPASH_PARAM    = 00000040
NPASH_STATE    = 00000002
NPAS_ADVANCE   = 00000008
NPAS_BYTE      = 00000001
NPAS_EOM       = 00000003
NPAS_ERROR     = 00000004
NPAS_EXIT      = 00000007
NPAS_EXTZV     = 00000000
NPAS_FAIL      = 0000000A
NPAS_IMAGE     = FFFFFFFF
NPAS_LOOK      = 00000000
NPAS_MASK      = 00000009
NPAS_MASK      = 00000002

```

```

NPAS_MATCH      = 00000008
NPAS_NULL       = 00000005
NPAS_SBEXP      = 00000006
NPAS_WORD       = 00000001
NXTSSS         = 00000000

```

! 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
\$ABSS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
NPASSTATE	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+EXECMLS/LIB+SHRLIB\$:NMALIBRY/LIB

0237 AH-BT13A-SE
VAX/VMS V4.0

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This image shows a grid of 144 small terminal window images, arranged in a 12x12 layout. Each window displays a different VAX/VMS command-line interface, typically showing the results of a system utility or a data list. The windows are separated by thin black lines.

Visible titles and content in some windows include:

- MOMB.DMSG LIS**: A list of messages.
- MOMINISTA LIS**: A list of system information.
- MOMLOAD LIS**: A list of loaded modules.
- MOMACPIO LIS**: A list of active processes.
- MOMDAT LIS**: A list of data files.
- NMAHEAD B32**: A list of network addresses.
- NPADF 5DL**: A list of network protocols.
- MOMDEF 5DL**: A list of definitions.
- NMATAIL B32**: A list of network addresses.
- MOMDL B32**: A list of data files.
- NPAMAC MAR**: A list of network addresses.
- MOMFILTO LIS**: A list of files.
- MOMLIB LIS**: A list of libraries.

The overall appearance is that of a multi-terminated terminal session, likely used for testing or demonstrating various system utilities.