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(3)	62	MOP message state tables
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```
0000 1 .TITLE MOMMOPSTA MOP MESSAGE STATE TABLES
0000 2 .IDENT 'V04-000'
0000 3 :
0000 4 :*****
0000 5 :
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0000 22 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23 :
0000 24 :*****
0000 25 :
0000 26 :
0000 27 :
0000 28 :++
0000 29 : FACILITY: DECnet-VAX Network Management Maintenance Operations Module
0000 30 :
0000 31 : ABSTRACT:
0000 32 :
0000 33 : State tables for MOP messages exchanged during maintenance
0000 34 : operations.
0000 35 :
0000 36 : ENVIRONMENT: VAX/VMS Operating System
0000 37 :
0000 38 : AUTHOR: Kathy Perko
0000 39 :
0000 40 : CREATION DATE: 31-Jan-1983
0000 41 :
0000 42 : MODIFIED BY:
0000 43 : V03-001 MKP0001 Kathy Perko 29-Jan-1984
0000 44 : Allow anything for a service device. Fix parsing
0000 45 : of MOP messages to check for a multicasted loopback
0000 46 : assistance request.
0000 47 :
0000 48 :--
```

```
0000 50 :  
0000 51 : INCLUDE FILES:  
0000 52 :  
0000 53 :  
0000 54 $MOPDEF      ; MOP message definitions  
0000 55 $NMADEF     ; Network Management Layer definitions  
0000 56 $MOMDEF     ; MOM definitions  
0000 57 :  
0000 58 :  
0000 59 : OWN STORAGE:  
0000 60 :
```



```
0000 62 .SBTTL MOP message state tables
0000 63 :
0000 64 : Message parsing states for a response to a downline load.
0000 65 :
0000 66 IMSG$ MOM$NPA_MOPLOAD
0000 67
0000 68 FIELDS$
0000 69 $LOOK ,,MOM$SAVE_MOP_MSG ; Save the received MOP message.
0000 70
0000 71 FIELDS$
0000 72 $BYTE MOP$ FCT RPR,MOM_RPR_DEV
0000 73 $ERROR 0,,MOM$PRSMOPERR,,MOM$_BADMOPFCT
0000 74
0000 75 FIELDS$
0000 76 :
0000 77 : Message parsing states for restarting an upline dump.
0000 78 :
0000 79 IMSG$ MOM$NPA_MOPDUMP
0000 80
0000 81 FIELDS$
0000 82 $LOOK ,,MOM$SAVE_MOP_MSG ; Save the received MOP message.
0000 83
0000 84 FIELDS$
0000 85 $BYTE MOP$ FCT_RDS,MOM_RDS_DEV ; Request Dump Service (old MOP
0000 86 ; Mode Running)
0000 87 $ERROR 0,,MOM$PRSMOPERR,,MOM$_BADMOPFCT
0000 88
0000 89 FIELDS$
0000 90 :
0000 91 : Message parsing states for autoservice initialization.
0000 92 :
0000 93 IMSG$ MOM$NPA_MOPINIT
0000 94 :
0000 95 : Parse function code
0000 96 :
0000 97 FIELDS$ MOM_MOP_FCT
0000 98 $LOOK ,,MOM$SAVE_MOP_MSG ; Save the received MOP message.
0000 99
0000 100 FIELDS$
0000 101 $BYTE MOP$ FCT RPR,MOM_RPR_DEV, - ; Request program load.
0000 102 ,NMASC_FNC_LOA,MOM$GB_FUNCTION
0000 103 $BYTE MOP$ FCT_RDS,MOM_RDS_DEV, - ; Request Dump Service (old MOP
0000 104 ,NMASC_FNC_DUM,MOM$GB_FUNCTION ; Mode Running).
0000 105 $LOOK MOP$ FCT_ACD,NPAS_EXIT,, - ; Active Loop Data.
0000 106 NMASC_FNC_TES,MOM$GB_FUNCTION
0000 107 $NULL ,NPAS_EXIT,MOM$MOP_CRK_LOOP_ASSIST,- ; Loopback assist request?
0000 108 NMASC_FNC_TES,MOM$GB_FUNCTION
0000 109 $ERROR 0,,MOM$PRSMOPERR,,MOM$_BADMOPFCT
0000 110 :
0000 111 : Parse device type
0000 112 :
0000 113 FIELDS$ MOM_RPR_DEV
0000 114 $SBEXP MOM_MOP_DEV,MOM_MOP_PGM
0000 115 $ERROR 0
0000 116
0000 117 FIELDS$ MOM_RDS_DEV
0000 118 $SBEXP MOM_MOP_DEV,MOM_MOP_SIZ
```

```
0000 119      $ERROR 0
0000 120
0000 121      FIELDS  MOM MOP DEV
0000 122      $MATCH  1,MOM_MOP_VER,MOM$SAVE_PARAM,,,SVD$GK_PCNO_SDV
0000 123      $ERROR 0
0000 124      :
0000 125      : Parse version number
0000 126      :
0000 127      FIELDS  MOM MOP VER
0000 128      $BYTE   1,NPAS_EXIT
0000 129      $ERROR 0,,MOM$PRSMOPERR,,,MOM$_BADMOPVER
0000 130      :
0000 131      : Parse program type
0000 132      :
0000 133      FIELDS  MOM MOP PGM
0000 134      $EOM     ,NPAS_EXIT
0000 135      $LOOK   NMASC_SOFT_SECL,MOM_MOP_PGM1      ; Secondary loader
0000 136      $LOOK   NMASC_SOFT_TERL,MOM_MOP_PGM1      ; Tertiary loader
0000 137      $LOOK   NMASC_SOFT_OSYS,MOM_MOP_PGM1      ; Operating system
0000 138      $ERROR 0,,MOM$PRSMOPERR,,,MOM$_BADMOPPGM
0000 139
0000 140      FIELDS  MOM MOP PGM1
0000 141      $MATCH  1,MOM_MOP_SID,MOM$SAVE_PARAM,,,SVD$GK_PCNO_STY
0000 142      $ERROR 0
0000 143      :
0000 144      : Parse software id
0000 145      :
0000 146      FIELDS  MOM MOP SID
0000 147      $EOM     ,MOM_MOP_PROC
0000 148      $BYTE   MOP$C_SID_NON,NPAS_EXIT
0000 149      $BYTE   MOP$C_SID_OSY,NPAS_EXIT,MOM$SAVE_PARAM,,,SVD$GK_PCNO_$FTY
0000 150      $BYTE   MOP$C_SID_MAI,NPAS_EXIT,MOM$SAVE_PARAM,,,SVD$GK_PCNO_$FTY
0000 151      $IMAGE  16,MOM_MOP_PROC,MOM$SAVE_LOAD_FILE_ID
0000 152      $ERROR 0,,MOM$PRSMOPERR,,,MOM$_BADMOPSID
0000 153      :
0000 154      : Parse processor type
0000 155      :
0000 156      FIELDS  MOM MOP PROC
0000 157      $EOM     ,NPAS_EXIT
0000 158      $BYTE   0,NPAS_EXIT
0000 159      $BYTE   1,NPAS_EXIT,,MOM$M_CONSOLE_CARRIER_LOAD,MOM$GL_SERVICE_FLAGS
0000 160      $NULL    ,NPAS_EXIT
0000 161      :
0000 162      : Parse memory size
0000 163      :
0000 164      FIELDS  MOM MOP SIZ
0000 165      $MATCH  4,MOM_MOP_FEA,MOM$SAVE_PARAM,,,SVD$GK_PCNO_DCT
0000 166      $ERROR 0
0000 167      :
0000 168      : Parse features byte - check that DUMP is accepted
0000 169      :
0000 170      FIELDS  MOM MOP FEA
0000 171      $MASK   2,NPAS_EXIT
0000 172      $ERROR 0
0000 173
0000 174      FIELDS
0000 175
```


MOMMOPSTA
V04-000

MOP MESSAGE STATE TABLES
MOP message state tables

L 5

16-SEP-1984 02:13:50
5-SEP-1984 01:59:27

VAX/VMS Macro V04-00
[MOM.SRC]MOMMOPSTA.MAR;1

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(3)

0000 176 .END

MOMMOPSTA
Symbol table

MOP MESSAGE STATE TABLES

M 5

16-SEP-1984 02:13:50 VAX/VMS Macro V04-00
5-SEP-1984 01:59:27 [MOM.SRC]MOMMOPSTA.MAR;1

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(3)

```

FLG$$$ = FFFFFFFF
MOM$GB_FUNCTION ***** X 03
MOM$GL_SERVICE_FLAGS ***** X 03
MOM$MOP_CHK_LOOP_ASSIST ***** X 03
MOM$M_CONSOLE_CARRIER_LOAD = 00000040
MOM$NPA_MOPDUMP 00000028 RG 03
MOM$NPA_MOPINIT 00000050 RG 03
MOM$NPA_MOPLoad 00000000 RG 03
MOM$PRS_MOPERR ***** X 03
MOM$SAVE_LOAD_FILE_ID ***** X 03
MOM$SAVE_MOP_MSG ***** X 03
MOM$SAVE_PARAM ***** X 03
MOM$_BADMOPFCT ***** X 03
MOM$_BADMOPPGM ***** X 03
MOM$_BADMOPSID ***** X 03
MOM$_BADMOPVER ***** X 03
MOM_MOP_DEV 000000EC R 03
MOM_MOP_FCT 00000050 R 03
MOM_MOP_FEA 0000023C R 03
MOM_MOP_PGM 0000012C R 03
MOM_MOP_PGM1 0000016C R 03
MOM_MOP_PROC 000001EC R 03
MOM_MOP_SID 0000018C R 03
MOM_MOP_SIZ 0000021C R 03
MOM_MOP_VER 0000010C R 03
MOM_RDS_DEV 000000D4 R 03
MOM_RPR_DEV 000000BC R 03
MOP$C_SID_MAI = 000000FE
MOP$C_SID_NON = 00000000
MOP$C_SID_OSY = 000000FF
MOP$FCT_ALD = 00000018
MOP$FCT_RDS = 0000000C
MOP$FCT_RPR = 00000008
NMA$C_FNC_DUM = 00000010
NMA$C_FNC_LOA = 0000000F
NMA$C_FNC_TES = 00000012
NMA$C_SOFT_OSYS = 00000002
NMA$C_SOFT_SECL = 00000000
NMA$C_SOFT_TERL = 00000001
NPAS$ACTION = 00000004
NPAS$EXT = 00000001
NPAS$LAST = 00008000
NPAS$MASK = 00000010
NPAS$MSKADR = 00000020
NPAS$OFFSET = 00000040
NPAS$PARAM = 00000002
NPAS$STATE = 00000008
NPAS$ADVANCE = 00000001
NPAS$BYTE = 00000003
NPAS$EOM = 00000004
NPAS$ERROR = 00000007
NPAS$EXIT = 00000000
NPAS$EXTZV = 0000000A
NPAS$FAIL = FFFFFFFF
NPAS$IMAGE = 00000000
NPAS$LOOK = 00000009
NPAS$MASK = 00000002

```

```

NPAS_MATCH = 00000008
NPAS_NULL = 00000005
NPAS_SBEXP = 00000006
NPAS_WORD = 00000001
NXT$$$ = 00000000
SVD$GK_PCNO_SFTY ***** X 03
SVD$GK_PCNO_DCT ***** X 03
SVD$GK_PCNO_SDV ***** X 03
SVD$GK_PCNO_STY ***** 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
\$ABSS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
NPA\$STATE	00000254 (596.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC BYTE

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	32	00:00:00.06	00:00:01.14
Command processing	151	00:00:00.85	00:00:07.10
Pass 1	384	00:00:15.28	00:00:36.38
Symbol table sort	0	00:00:01.41	00:00:01.93
Pass 2	47	00:00:02.40	00:00:06.03
Symbol table output	9	00:00:00.07	00:00:00.50
Psect synopsis output	3	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	628	00:00:20.11	00:00:53.13

The working set limit was 1350 pages.
 76459 bytes (150 pages) of virtual memory were used to buffer the intermediate code.
 There were 60 pages of symbol table space allocated to hold 998 non-local and 0 local symbols.
 176 source lines were read in Pass 1, producing 18 object records in Pass 2.
 33 pages of virtual memory were used to define 30 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	16
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	20

1248 GETS were required to define 20 macros.

There were no errors, warnings or information messages.

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

0238

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