

(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 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 MKP001 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 :--
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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      IMGS$  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      IMGS$  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      IMGS$  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

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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_SFTY
0000 150          $BYTE MOP$C_SID_MAI,NPAS_EXIT,MOM$SAVE_PARAM,,,SVD$GK_PCNO_SFTY
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

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MOMMOPSTA
V04-000

MOP MESSAGE STATE TABLES
MOP message state tables

L 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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0000 176 .END

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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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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\$PRMOPERR		*****		
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_OSYS	=	000000FF		
MOP\$FCT_ALD	=	00000018		
MOP\$FCT_RDS	=	0000000C		
MOP\$FCT_RPR	=	00000008		
NMASC_FNC_DUM	=	00000010		
NMASC_FNC_LOA	=	0000000F		
NMASC_FNC_TES	=	00000012		
NMASC_SOFT_OSYS	=	00000002		
NMASC_SOFT_SECL	=	00000000		
NMASC_SOFT_TERL	=	00000001		
NPASM_ACTION	=	00000004		
NPASM_EXT	=	00000001		
NPASM_LAST	=	00008000		
NPASM_MASK	=	00000010		
NPASM_MSKADR	=	00000020		
NPASM_OFFSET	=	00000040		
NPASM_PARAM	=	00000002		
NPASM_STATE	=	00000008		
NPAS_ADVANCE	=	00000001		
NPAS_BYTE	=	00000003		
NPAS_FOM	=	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		
SVDSGK_PCNO_SFTY		*****	X	03
SVDSGK_PCNO_DCT		*****	X	03
SVDSGK_PCNO_SDV		*****	X	03
SVDSGK_PCNO_STY		*****	X	03

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! 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	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+EXECMLS/LIB+SHRLIB\$:NMALIBRY/LIB

