```
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMMMMM    MMMMMM   LLL
NNN           NNN   MMMMMM    MMMMMM   LLL
NNN           NNN   MMMMMM    MMMMMM   LLL
NNNNNN        NNN   MMM   MMM   MMM   LLL
NNNNNN        NNN   MMM   MMM   MMM   LLL
NNNNNN        NNN   MMM   MMM   MMM   LLL
NNN   NNN     NNN   MMM         MMM   LLL
NNN   NNN     NNN   MMM         MMM   LLL
NNN   NNN     NNN   MMM         MMM   LLL
NNN       NNNNNN   MMM         MMM   LLL
NNN       NNNNNN   MMM         MMM   LLL
NNN       NNNNNN   MMM         MMM   LLL
NNN           NNN   MMM         MMM   LLL
NNN           NNN   MMM         MMM   LLL
NNN           NNN   MMM         MMM   LLL
NNN           NNN   MMM         MMM   LLLLLLLLLLLLLLL
NNN           NNN   MMM         MMM   LLLLLLLLLLLLLLL
NNN           NNN   MMM         MMM   LLLLLLLLLLLLLLL
```

FILEID**NMLCLEAR

```
NN       NN  MM       MM  LL            CCCCCCCC  LL          EEEEEEEEEE    AAAAAA    RRRRRRRR
NN       NN  MM       MM  LL            CCCCCCCC  LL          EEEEEEEEEE    AAAAAA    RRRRRRRR
NN       NN  MMMM   MMMM  LL          CC          LL          EE           AA      AA  RR      RR
NN       NN  MMMM   MMMM  LL          CC          LL          EE           AA      AA  RR      RR
NNNN     NN  MM  MM  MM  LL          CC          LL          EE           AA      AA  RR      RR
NNNN     NN  MM  MM  MM  LL          CC          LL          EE           AA      AA  RR      RR
NN  NN   NN  MM      MM  LL          CC          LL          EEEEEEEE     AA      AA  RRRRRRRR
NN  NN   NN  MM      MM  LL          CC          LL          EEEEEEEE     AA      AA  RRRRRRRR
NN    NNNN  MM      MM  LL          CC          LL          EE           AAAAAAAAAA  RR  RR
NN    NNNN  MM      MM  LL          CC          LL          EE           AAAAAAAAAA  RR  RR
NN      NN  MM      MM  LL          CC          LL          EE           AA      AA  RR    RR      ....
NN      NN  MM      MM  LL          CC          LL          EE           AA      AA  RR    RR      ....
NN      NN  MM      MM  LLLLLLLLLL    CCCCCCCC  LLLLLLLLLL  EEEEEEEEEE   AA      AA  RR      RR    ....
NN      NN  MM      MM  LLLLLLLLLL    CCCCCCCC  LLLLLLLLLL  EEEEEEEEEE   AA      AA  RR      RR    ....

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
```

```
;  1          0001  0 %TITLE 'NML CLEAR parameter module'
;  2          0002  0 MODULE NML$CLEAR (
;  3          0003  0                 LANGUAGE (BLISS32),
;  4          0004  0                 ADDRESSING_MODE (NONEXTERNAL=GENERAL),
;  5          0005  0                 ADDRESSING_MODE (EXTERNAL=GENERAL),
;  6          0006  0                 IDENT = 'V04-000'
;  7          0007  0                 ) =
;  8          0008  1 BEGIN
;  9          0009  1 !
; 10          0010  1 !**************************************************************************
; 11          0011  1 !*                                                                        *
; 12          0012  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
; 13          0013  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                 *
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; 19          0019  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
; 20          0020  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
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; 22          0022  1 !*                                                                        *
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; 24          0024  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
; 25          0025  1 !*  CORPORATION.                                                           *
; 26          0026  1 !*                                                                        *
; 27          0027  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
; 28          0028  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                *
; 29          0029  1 !*                                                                        *
; 30          0030  1 !*                                                                        *
; 31          0031  1 !**************************************************************************
; 32          0032  1 !
; 33          0033  1
; 34          0034  1 !++
; 35          0035  1 ! FACILITY:  DECnet-VAX Network Management Listener
; 36          0036  1 !
; 37          0037  1 ! ABSTRACT:
; 38          0038  1 !
; 39          0039  1 !       This module contains routines to process the NCP CLEAR command.
; 40          0040  1 !
; 41          0041  1 ! ENVIRONMENT:  VAX/VMS Operating System
; 42          0042  1 !
; 43          0043  1 ! AUTHOR:  Distributed Systems Software Engineering
; 44          0044  1 !
; 45          0045  1 ! CREATION DATE:  30-DEC-1979
; 46          0046  1 !
; 47          0047  1 ! MODIFIED BY:
; 48          0048  1 !
; 49          0049  1 !       V03-005 MKP0007         Kathy Perko     26-Mar-1984
; 50          0050  1 !               Fix CLEAR LOGGING bug introduced by change to permanent database
; 51          0051  1 !               operation which caused the record keys to be invisible to all
; 52          0052  1 !               the the I/O routines.
; 53          0053  1 !
; 54          0054  1 !       V03-004 MKP0006         Kathy Perko     9-Aug-1984
; 55          0055  1 !               Add X25 Access Module entity.
; 56          0056  1 !
; 57          0057  1 !       V03-003 MKP0005         Kathy Perko     4-Aug-1983
```

```
;    58          0058  1 !               Alter routines that manipulate permanent database records so
;    59          0059  1 !               they are transparent to the ISAM keys at the beginning.
;    60          0060  1 !
;    61          0061  1 !       V03-002 MKP0004         Kathy Perko     28-June-1982
;    62          0062  1 !               Add qualifiers to entity handling.  Add X25 and X29
;    63          0063  1 !               Server modules, X25-Trace module, and X25-Protocol
;    64          0064  1 !               module.
;    65          0065  1 !
;    66          0066  1 !       V03-001 MKP0003         Kathy Perko     22-May-1982
;    67          0067  1 !               Change QIO interface to use double search keys and add
;    68          0068  1 !               X-25 stuff.
;    69          0069  1 !
;    70          0070  1 !       V02-002 MKP0002         Kathy Perko     31-Dec-1981
;    71          0071  1 !               Fix CLEAR EXEC so that a wildcard search key is
;    72          0072  1 !               used.
;    73          0073  1 !
;    74          0074  1 !       V02-001 MKP0001         Kathy Perko     21-July-1981
;    75          0075  1 !               Add circuit entity, make changes for muitidrop.
;    76          0076  1 !--
;    77          0077  1
```

```
;    79          0079  1 %SBTTL 'Declarations'
;    80          0079  1
;    81          0080  1 !
;    82          0081  1 ! TABLE OF CONTENTS:
;    83          0082  1 !
;    84          0083  1
;    85          0084  1 FORWARD ROUTINE
;    86          0085  1     NML$CLEARENTITY     : NOVALUE,
;    87          0086  1     NML$CLEAREXECUTOR   : NOVALUE,
;    88          0087  1     NML$CLEARKNONODES   : NOVALUE,
;    89          0088  1     NML_CLEARENTITY,
;    90          0089  1     NML$CLEARKNOLOG     . NOVALUE,
;    91          0090  1     NML$CLEARLOGGING    : NOVALUE,
;    92          0091  1     NML_CLEARLOGGING    : NOVALUE,
;    93          0092  1     NML_CLEARLOGALL     : NOVALUE,
;    94          0093  1     NML$CLEARKNOWN      : NOVALUE;
;    95          0094  1
;    96          0095  1 !
;    97          0096  1 ! INCLUDE FILES:
;    98          0097  1 !
;    99          0098  1
;   100          0099  1 LIBRARY 'LIB$:NMLLIB.L32';
;   101          0100  1 LIBRARY 'SHRLIB$:NMALIBRY.L32';
;   102          0101  1 LIBRARY 'SHRLIB$:NET.L32';
;   103          0102  1 LIBRARY 'SYS$LIBRARY:STARLET.L32';
;   104          0103  1
;   105          0104  1 !
;   106          0105  1 ! MACROS:
;   107          0106  1 !
;   108          0107  1
;   109          0108  1 !
;   110          0109  1 ! EQUATED SYMBOLS:
;   111          0110  1 !
;   112          0111  1
;   113          0112  1 !
;   114          0113  1 ! OWN STORAGE:
;   115          0114  1 !
;   116          0115  1
;   117          0116  1 !
;   118          0117  1 ! Parameter buffer and descriptor for handling volatile data.
;   119          0118  1 !
;   120          0119  1 OWN
;   121          0120  1     NML$T_EVTBUFFER  : VECTOR [NML$K_RECBFLEN, BYTE],
;   122          0121  1     NML$T_P2BUFFER   : VECTOR [NML$K_P2BUFLEN,  BYTE],
;   123          0122  1     NML$T_NFBBUFFER  : VECTOR [100,  BYTE],
;   124          0123  1     NML$T_PRMBUFFER  : VECTOR [256, BYTE];
;   125          0124  1 BIND
;   126          0125  1     NML$Q_EVTBFDSC  = UPLIT (NML$K_RECBFLEN, NML$T_EVTBUFFER)   : DESCRIPTOR,
;   127          0126  1     NML$Q_P2BFDSC   = UPLIT (NML$K_P2BUFLEN,  NML$T_P2BUFFER)   : DESCRIPTOR,
;   128          0127  1     NML$Q_NFBBFDSC  = UPLIT (100, NML$T_NFBBUFFER)   : DESCRIPTOR,
;   129          0128  1     NML$Q_PRMBFDSC  = UPLIT (256, NML$T_PRMBUFFER)   : DESCRIPTOR;
;   130          0129  1 !
;   131          0130  1 ! Entity buffer and descriptor.
;   132          0131  1 !
;   133          0132  1 OWN
;   134          0133  1     NML$T_ENTBUFFER : BBLOCK [NML$K_ENTBUFLEN],
;   135          0134  1     NML$Q_ENTBFDSC  : DESCRIPTOR
```

```
;  136          0135  1                        INITIAL (0, NML$T_ENTBUFFER);
;  137          0136  1
;  138          0137  1 !
;  139          0138  1 ! EXTERNAL REFERENCES:
;  140          0139  1 !
;  141          0140  1
;  142          0141  1 $NML_EXTDEF;
;  143          0142  1
;  144          0143  1 EXTERNAL ROUTINE
;  145          0144  1     NMA$INSERTFLD,
;  146          0145  1     NMA$SEARCHFLD,
;  147          0146  1     NML$ADDEVENTS,
;  148          0147  1     NML$ADDFILTERS,
;  149          0148  1     NML$BLD_REPLY,
;  150          0149  1     NML$BLDALLDES,
;  151          0150  1     NML$BLDP2,
;  152          0151  1     NML$BLDSETQBF,
;  153          0152  1     NML$ERROR_1,
;  154          0153  1     NML$GETEXEID,
;  155          0154  1     NML$GETINFTABS,
;  156          0155  1     NML$GET_ENTITY_IDS,
;  157          0156  1     NML$GETNXTSNK,
;  158          0157  1     NML$NETQIO,
;  159          0158  1     NML$REMSRC,
;  160          0159  1     NML$SAVEVENTS,
;  161          0160  1     NML$SEND;
;  162          0161  1
```

```
;  164          0162  1 %TITLE 'NML$CLEARENTITY  Clear volatile entity parameters'
;  165          0163  1 GLOBAL ROUTINE NML$CLEARENTITY (ENTITY, ENTITY_LEN, ENTITY_ADR,
;  166          0164  1                                 QUAL_PST, QUAL_LEN, QUAL_ADR) : NOVALUE =
;  167          0165  1
;  168          0166  1 !++
;  169          0167  1 ! FUNCTIONAL DESCRIPTION:
;  170          0168  1 !
;  171          0169  1 !       This routine clears parameters for the specified entity type.
;  172          0170  1 !       Its purpose is to allow the same code to be used for both
;  173          0171  1 !       singular and plural entity operations.
;  174          0172  1 !
;  175          0173  1 ! INPUTS:
;  176          0174  1 !
;  177          0175  1 !       ENTITY          Entity type code.
;  178          0176  1 !       ENTITY_LEN      Byte count of entity id string.
;  179          0177  1 !       ENTITY_ADR      Address of entity id string.
;  180          0178  1 !       QUAL_PST        Qualifier PST entry address
;  181          0179  1 !       QUAL_LEN        Qualifier length
;  182          0180  1 !       QUAL_ADR        Qualifier address
;  183          0181  1 !
;  184          0182  1 ! OUTPUTS:
;  185          0183  1 !
;  186          0184  1 !       Specified parameters or entities cleared from database.
;  187          0185  1 !--
;  188          0186  1
;  189          0187  2 BEGIN
;  190          0188  2
;  191          0189  2 LOCAL
;  192          0190  2     MSGSIZE;
;  193          0191  2
;  194          0192  2 !
;  195          0193  2 ! X25 Server and Trace, and X29 Server databases have only one entry.  So
;  196          0194  2 ! always do a wildcard clear of these databases.
;  197          0195  2 !
;  198          0196  2 IF .ENTITY EQL NML$C_X25_SERV OR
;  199          0197  2    .ENTITY EQL NML$C_X29_SERV OR
;  200          0198  2    .ENTITY EQL NML$C_TRACE THEN
;  201          0199  2     ENTITY_LEN = -1;
;  202          0200  2
;  203          0201  2 NML_CLEARENTITY (.ENTITY, .ENTITY_LEN, .ENTITY_ADR,
;  204          0202  2                  .QUAL_PST, .QUAL_LEN, .QUAL_ADR);
;  205          0203  2 NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE); ! Build message
;  206          0204  2 NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);    ! Send message error
;  207          0205  1 END;                                ! End of NML$CLEARENTITY


                                                .TITLE  NML$CLEAR NML CLEAR parameter module
                                                .IDENT  \V04-000\

                                                .PSECT  $PLIT$,NOWRT,NOEXE,2

                                00000400  00000 P.AAA:  .LONG    1024
                                00000000' 00004         .ADDRESS NML$T_EVTBUFFER
                                00000068  00008 P.AAB:  .LONG    104
                                00000000' 0000C         .ADDRESS NML$T_P2BUFFER
                                00000064  00010 P.AAC:  .LONG    100
                                00000000' 00014         .ADDRESS NML$T_NFBBUFFER
```

```
                                00000100  00018 P.AAD:  .LONG   256                                                     ;
                                00000000' 0001C         .ADDRESS NML$T_PRMBUFFER                                      ;

                                                        .PSECT  $OWN$,NOEXE,2

                                          00000 NML$T_EVTBUFFER:
                                                        .BLKB   1024
                                          00400 NML$T_P2BUFFER:
                                                        .BLKB   104
                                          00468 NML$T_NFBBUFFER:
                                                        .BLKB   100
                                          004CC NML$T_PRMBUFFER:
                                                        .BLKB   256
                                          005CC NML$T_ENTBUFFER:
                                                        .BLKB   64
                                00000600  0060C NML$Q_ENTBFDSC:
                                                        .LONG   0
                                00000000' 00610         .ADDRESS NML$T_ENTBUFFER                                      ;

                                                NML$Q_EVTBFDSC=     P.AAA
                                                NML$Q_P2BFDSC=      P.AAB
                                                NML$Q_NFBBFDSC=     P.AAC
                                                NML$Q_PRMBFDSC=     P.AAD
                                                        .EXTRN  NML$GB_EVTSRCTYP
                                                        .EXTRN  NML$GQ_EVTSRCDSC
                                                        .EXTRN  NML$GW_EVTCLASS
                                                        .EXTRN  NML$GB_EVTMSKTYP
                                                        .EXTRN  NML$GQ_EVTMSKDSC
                                                        .EXTRN  NML$GW_EVTSNKADR
                                                        .EXTRN  NML$GW_ACP_CHAN
                                                        .EXTRN  NML$GL_LOGMASK, NML$GQ_ENTSTRDSC
                                                        .EXTRN  NML$AB_QIOBUFFER
                                                        .EXTRN  NML$GQ_QIOBFDSC
                                                        .EXTRN  NML$AB_EXEBUFFER
                                                        .EXTRN  NML$GL_EXEDATPTR
                                                        .EXTRN  NML$GQ_EXEDATDSC
                                                        .EXTRN  NML$GQ_EXEBFDSC
                                                        .EXTRN  NML$AB_RCVBUFFER
                                                        .EXTRN  NML$GQ_RCVBFDSC
                                                        .EXTRN  NML$AB_SNDBUFFER
                                                        .EXTRN  NML$GQ_SNDBFDSC
                                                        .EXTRN  NML$GL_RCVDATLEN
                                                        .EXTRN  NML$AB_CPTABLE, NML$AB_MSGBLOCK
                                                        .EXTRN  NML$AB_ENTITY_ID
                                                        .EXTRN  NML$AB_QUALIFIER_ID
                                                        .EXTRN  NML$AB_ENTITYDATA
                                                        .EXTRN  NML$AB_NML_NMV, NML$AB_PRMSEM
                                                        .EXTRN  NML$AB_RECBUF, NML$AL_ENTINFTAB
                                                        .EXTRN  NML$AL_PERMINFTAB
                                                        .EXTRN  NML$AW_PRM_DES, NML$GB_CMD_VER
                                                        .EXTRN  NML$GB_ENTITY_CODE
                                                        .EXTRN  NML$GB_ENTITY_FORMAT
                                                        .EXTRN  NML$GL_QUALIFIER_PST
                                                        .EXTRN  NML$GB_QUALIFIER_FORMAT
                                                        .EXTRN  NML$GB_FUNCTION
                                                        .EXTRN  NML$GB_INFO, NML$GB_OPTIONS
                                                        .EXTRN  NML$GL_PRMCODE, NML$GL_PRS_FLGS
```

```
                                                        .EXTRN  NML$GL_NML_ENTITY
                                                        .EXTRN  NML$GQ_NETNAMDSC
                                                        .EXTRN  NML$GQ_RECBFDSC
                                                        .EXTRN  NML$GW_PRMDESCNT
                                                        .EXTRN  NMA$INSERTFLD, NMA$SEARCHFLD
                                                        .EXTRN  NML$ADDEVENTS, NML$ADDFILTERS
                                                        .EXTRN  NML$BLD_REPLY, NML$BLDALLDES
                                                        .EXTRN  NML$BLDP2, NML$BLDSETQBF
                                                        .EXTRN  NML$ERROR_1, NML$GETEXEID
                                                        .EXTRN  NML$GETINFTABS, NML$GET_ENTITY_IDS
                                                        .EXTRN  NML$GETNXTSNK, NML$NETQIO
                                                        .EXTRN  NML$REMSRC, NML$SAVEVENTS
                                                        .EXTRN  NML$SEND

                                                        .PSECT  $CODE$,NOWRT,2

                                    0000 00000          .ENTRY  NML$CLEARENTITY, Save nothing                   ; 0163
                                5E          04  C2 00002         SUBL2   #4, SP                                  ;
                                11      04  AC  D1 00005         CMPL    ENTITY, #17                             ; 0196
                                            0C  13 00009         BEQL    1$                                      ;
                                15      04  AC  D1 0000B         CMPL    ENTITY, #21                             ; 0197
                                            06  13 0000F         BEQL    1$                                      ;
                                13      04  AC  D1 00011         CMPL    ENTITY, #19                             ; 0198
                                            04  12 00015         BNEQ    2$                                      ;
                            08  AC              01  CE 00017 1$:     MNEGL   #1, ENTITY_LEN                          ; 0199
                                7E      14  AC  7D 0001B 2$:     MOVQ    QUAL_LEN, -(SP)                         ; 0202
                                7E      0C  AC  7D 0001F         MOVQ    ENTITY_ADR, -(SP)                       ; 0201
                                7E      04  AC  7D 00023         MOVQ    ENTITY, -(SP)                           ;
                    00000000V   00              06  FB 00027         CALLS   #6, NML_CLEARENTITY                     ;
                                                5E  DD 0002E         PUSHL   SP                                      ; 0203
                                    00000000G   00  9F 00030         PUSHAB  NML$AB_MSGBLOCK                         ;
                    00000000G   00              02  FB 00036         CALLS   #2, NML$BLD_REPLY                       ;
                                                6E  DD 0003D         PUSHL   MSGSIZE                                 ; 0204
                                    00000000G   00  9F 0003F         PUSHAB  NML$AB_SNDBUFFER                        ;
                    00000000G   00              02  FB 00045         CALLS   #2, NML$SEND                            ;
                                                04  0004C         RET                                             ; 0205

; Routine Size:  77 bytes,    Routine Base:  $CODE$ + 0000

;  208          0206  1
```

```
;   210     0207  1 %SBTTL 'NML$CLEAREXECUTOR  Clear volatile executor parameters'
;   211     0208  1 GLOBAL ROUTINE NML$CLEAREXECUTOR (ENTITY, DUM1, DUM2, DUM3,
;   212     0209  1                                  DUM4, DUM5) : NOVALUE =
;   213     0210  1
;   214     0211  1 !++
;   215     0212  1 ! FUNCTIONAL DESCRIPTION:
;   216     0213  1 !
;   217     0214  1 !       This routine clears executor parameters.
;   218     0215  1 !
;   219     0216  1 ! INPUTS:
;   220     0217  1 !
;   221     0218  1 !       ENTITY          Entity type code.
;   222     0219  1 !       DUM1 - DUM5     Not used.
;   223     0220  1 !
;   224     0221  1 ! OUTPUTS:
;   225     0222  1 !
;   226     0223  1 !       Executor parameters cleared from the database.
;   227     0224  1 !--
;   228     0225  1
;   229     0226  2     BEGIN
;   230     0227  2
;   231     0228  2     LOCAL
;   232     0229  2         EXEADR,
;   233     0230  2         MSGSIZE;
;   234     0231  2
;   235     0232  2     EXEADR = 0;                         ! Executor address is zero
;   236     0233  2 !
;   237     0234  2 ! If the entire executor node entry is to be deleted then attempt
;   238     0235  2 ! to delete the executor parameters.  If this is successful then
;   239     0236  2 ! delete the executor remote node parameters.
;   240     0237  2 !
;   241     0238  2     IF .NML$GL_PRS_FLGS [NML$V_PRS_ALL]
;   242     0239  2     THEN
;   243     0240  3         BEGIN
;   244     0241  3
;   245     0242  3         IF NML_CLEARENTITY (NML$C_EXECUTOR, -1, EXEADR, 0, 0, 0)
;   246     0243  3         THEN
;   247     0244  3             NML_CLEARENTITY (NML$C_NODE, 2, EXEADR, 0, 0, 0);
;   248     0245  3
;   249     0246  3         END
;   250     0247  2     ELSE
;   251     0248  3         BEGIN
;   252     0249  3 !
;   253     0250  3 ! If only certain executor parameters are to be deleted then check to see
;   254     0251  3 ! if the group of parameters is for the executor only or for the executor
;   255     0252  3 ! parameters which are common with other remote nodes.
;   256     0253  3 !
;   257     0254  3         IF .NML$GL_PRS_FLGS [NML$V_PRS_EXEPG]
;   258     0255  3         THEN
;   259     0256  3             NML_CLEARENTITY (NML$C_EXECUTOR, -1, EXEADR, 0, 0, 0)
;   260     0257  3         ELSE
;   261     0258  3             NML_CLEARENTITY (NML$C_NODE, 2, EXEADR, 0, 0, 0);
;   262     0259  3
;   263     0260  2         END;
;   264     0261  2 !
;   265     0262  2 ! Build and send the status message.
;   266     0263  2 !
```

```
;  267          0264  2     NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
;  268          0265  2     NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
;  269          0266  2
;  270          0267  1     END;                                    ! End of NML$CLEAREXECUTOR


                                    0004 00000          .ENTRY  NML$CLEAREXECUTOR, Save R2                  ; 0208
                          52 00000000v  00  9E 00002    MOVAB   NML_CLEARENTITY, R2
                          5E            04  C2 00009    SUBL2   #4, SP
                                        7E  D4 0000C    CLRL    EXEADR                                      ; 0232
                    14 00000000G  00    01  E1 0000E    BBC     #1, NML$GL_PRS_FLGS, 1$                     ; 0238
                                        7E  7C 00016    CLRQ    -(SP)                                       ; 0242
                                        7E  D4 00018    CLRL    -(SP)
                                  0C    AE  9F 0001A    PUSHAB  EXEADR
                          7E            01  CE 0001D    MNEGL   #1, -(SP)
                                        07  DD 00020    PUSHL   #7
                          62            06  FB 00022    CALLS   #6, NML_CLEARENTITY
                          25            50  E9 00025    BLBC    R0, 4$
                                        15  11 00028    BRB     2$                                          ; 0244
                          0E 00000000G  00  E9 0002A 1$: BLBC    NML$GL_PRS_FLGS+1, 2$                       ; 0254
                                        7E  7C 00031    CLRQ    -(SP)                                       ; 0256
                                        7E  D4 00033    CLRL    -(SP)
                                  0C    AE  9F 00035    PUSHAB  EXEADR
                          7E            01  CE 00038    MNEGL   #1, -(SP)
                                        07  DD 0003B    PUSHL   #7
                                        0B  11 0003D    BRB     3$
                                        7E  7C 0003F 2$: CLRQ    -(SP)                                       ; 0258
                                        7E  D4 00041    CLRL    -(SP)
                                  0C    AE  9F 00043    PUSHAB  EXEADR
                                        02  DD 00046    PUSHL   #2
                                        03  DD 00048    PUSHL   #3
                          62            06  FB 0004A 3$: CALLS   #6, NML_CLEARENTITY
                                  04    AE  9F 0004D 4$: PUSHAB  MSGSIZE                                     ; 0264
                             00000000G  00  9F 00050    PUSHAB  NML$AB_MSGBLOCK
                    00000000G  00       02  FB 00056    CALLS   #2, NML$BLD_REPLY
                                  04    AE  DD 0005D    PUSHL   MSGSIZE                                      ; 0265
                             00000000G  00  9F 00060    PUSHAB  NML$AB_SNDBUFFER
                    00000000G  00       02  FB 00066    CALLS   #2, NML$SEND
                                        04  0006D    RET                                                  ; 0267

; Routine Size:  110 bytes,    Routine Base:  $CODE$ + 004D

;  271          0268  1
```

```
;  273     0269  1 %SBTTL 'NML$CLEARKNONODES  Clear volatile node parameters'
;  274     0270  1 GLOBAL ROUTINE NML$CLEARKNONODES (ENTITY, DUM1, DUM2, DUM3,
;  275     0271  1                                   DUM4, DUM5) : NOVALUE =
;  276     0272  1
;  277     0273  1 !++
;  278     0274  1 ! FUNCTIONAL DESCRIPTION:
;  279     0275  1 !
;  280     0276  1 !       This routine clears parameters for all nodes.
;  281     0277  1 !
;  282     0278  1 ! INPUTS:
;  283     0279  1 !
;  284     0280  1 !       ENTITY          Entity type code.
;  285     0281  1 !       DUM1 - DUM5     Not used.
;  286     0282  1 !
;  287     0283  1 ! OUTPUTS:
;  288     0284  1 !
;  289     0285  1 !       Specified node parameters or nodes cleared from database.
;  290     0286  1 !--
;  291     0287  1
;  292     0288  2 BEGIN
;  293     0289  2
;  294     0290  2 IF NOT .NML$GL_PRS_FLGS [NML$V_PRS_LOOPG]
;  295     0291  2 THEN
;  296     0292  3         BEGIN
;  297     0293  3 !
;  298     0294  3 ! Clear executor node parameters.
;  299     0295  3 !
;  300     0296  3         NML$CLEAREXECUTOR (NML$C_EXECUTOR, 0, 0);
;  301     0297  3 !
;  302     0298  3 ! Clear remote node parameters.
;  303     0299  3 !
;  304     0300  3         NML$CLEARKNOWN (NML$C_NODE, 0, 0,
;  305     0301  3                         0, 0, 0);               ! No qualifier
;  306     0302  3
;  307     0303  3         END
;  308     0304  3 !
;  309     0305  3 ! If the parameter is specific to loop nodes then clear loop node parameters.
;  310     0306  3 !
;  311     0307  2 ELSE
;  312     0308  2         NML$CLEARKNOWN (NML$C_LOOPNODE, 0, 0,
;  313     0309  2                         0, 0, 0);               ! No qualifier
;  314     0310  2
;  315     0311  1 END;                            ! End of NML$CLEARKNONODES


                                0000 00000          .ENTRY  NML$CLEARKNONODES, Save nothing                 ; 0270
                    11 00000000G  00    03  E0 00002    BBS     #3, NML$GL_PRS_FLGS+1, 1$                   ; 0290
                                        7E  7C 0000A    CLRQ    -(SP)                                       ; 0296
                                        07  DD 0000C    PUSHL   #7
                              80    AF    03  FB 0000E    CALLS   #3, NML$CLEAREXECUTOR
                                        7E  7C 00012    CLRQ    -(SP)                                       ; 0300
                                        7E  7C 00014    CLRQ    -(SP)
                                    7E  03  7D 00016    MOVQ    #3, -(SP)
                                        07  11 00019    BRB     2$
```

```
                                        7E  7C 0001B 1$:    CLRQ    -(SP)                                   ; 0308
                                        7E  7C 0001D        CLRQ    -(SP)                                   ;
                                    7E  05  7D 0001F        MOVQ    #5, -(SP)                               ;
                          00000000V 00  06  FB 00022 2$:    CALLS   #6, NML$CLEARKNOWN                      ;
                                        04 00029          RET                                             ; 0311

; Routine Size:  42 bytes,    Routine Base:  $CODE$ + 00BB

;  316          0312  1
```

```
;  318          0313  1 %SBTTL 'NML_CLEARENTITY  Clear volatile entity parameters'
;  319          0314  1 ROUTINE NML_CLEARENTITY (ENTITY, ENTITY_LEN, ENTITY_ADR,
;  320          0315  1                                 QUAL_PST, QUAL_LEN, QUAL_ADR) =
;  321          0316  1
;  322          0317  1 !++
;  323          0318  1 ! FUNCTIONAL DESCRIPTION:
;  324          0319  1 !
;  325          0320  1 !       This routine clears parameters for the specified entity.
;  326          0321  1 !
;  327          0322  1 ! INPUTS:
;  328          0323  1 !
;  329          0324  1 !       ENTITY          Entity code.
;  330          0325  1 !       ENTITY_LEN      Length of entity id string in bytes.
;  331          0326  1 !       ENTITY_ADR      Address of entity id string.
;  332          0327  1 !       QUAL_PST        Qualifier PST entry address
;  333          0328  1 !       QUAL_LEN        Qualifier length
;  334          0329  1 !       QUAL_ADR        Qualifier address
;  335          0330  1 !
;  336          0331  1 ! OUTPUTS:
;  337          0332  1 !
;  338          0333  1 !       Modifies contents of the following:
;  339          0334  1 !
;  340          0335  1 !               NML$T_ENTBUFFER
;  341          0336  1 !               NML$Q_ENTBFDSC [DSC$W_LENGTH]
;  342          0337  1 !               NML$AB_MSGBLOCK
;  343          0338  1 !               NML$T_P2BUFFER
;  344          0339  1 !               NML$T_PRMBUFFER
;  345          0340  1 !--
;  346          0341  1
;  347          0342  2 BEGIN
;  348          0343  2
;  349          0344  2     LOCAL
;  350          0345  2         DB,
;  351          0346  2         SRCHKEY1,
;  352          0347  2         SRCHKEY2,
;  353          0348  2         FUNC,
;  354          0349  2         MSGSIZE,
;  355          0350  2         NODADDR,
;  356          0351  2         NFBDSC : DESCRIPTOR,
;  357          0352  2         P2DSC  : DESCRIPTOR,
;  358          0353  2         QBFDSC : DESCRIPTOR,
;  359          0354  2         STATUS,
;  360          0355  2         TMPSNK;
;  361          0356  2
;  362          0357  2 !
;  363          0358  2 ! Set up search key value for QIO.  In this case it's the entity ID for
;  364          0359  2 ! the entity being cleared or deleted (CLEAR ALL).
;  365          0360  2 !
;  366          0361  2 DB      = .NML$AB_ENTITYDATA [.ENTITY, EIT$B_DATABASE];
;  367          0362  2 SRCHKEY1 = .NML$AB_ENTITYDATA [.ENTITY, EIT$L_SRCH_ID1];
;  368          0363  2 IF .NML$GL_PRS_FLGS [NML$V_PRS_QUALIFIER] THEN
;  369          0364  2     SRCHKEY2 = .NML$AB_ENTITYDATA [.ENTITY, EIT$L_SRCH_ID2]
;  370          0365  2 ELSE
;  371          0366  3     BEGIN
;  372          0367  3     SRCHKEY2 = NFBSC_WILDCARD;
;  373          0368  3     QUAL_LEN = -1;
;  374          0369  2     END;
```

```
;  375          0370  2 !
;  376          0371  2 ! Set appropriate function code
;  377          0372  2 !
;  378          0373  2 IF .NML$GL_PRS_FLGS [NML$V_PRS_ALL]
;  379          0374  2 THEN
;  380          0375  2         FUNC = NFB$C_FC_DELETE
;  381          0376  2 ELSE
;  382          0377  2         FUNC = NFB$C_FC_CLEAR;
;  383          0378  2 !
;  384          0379  2 ! Clear parameters from the volatile data base entry.
;  385          0380  2 !
;  386          0381  2 NML$BLDSETQBF (.FUNC, .DB,
;  387          0382  2                 .SRCHKEY1, .ENTITY_LEN, .ENTITY_ADR,
;  388          0383  2                 .SRCHKEY2, .QUAL_LEN, .QUAL_ADR,
;  389          0384  2                 NML$Q_NFBBFDSC, NFBDSC,
;  390          0385  2                 NML$Q_P2BFDSC, P2DSC,
;  391          0386  2                 NML$GQ_QIOBFDSC, QBFDSC);
;  392          0387  2 STATUS = NML$NETQIO (NFBDSC, P2DSC, 0, QBFDSC);
;  393          0388  2
;  394          0389  2 IF .STATUS
;  395          0390  2 THEN
;  396          0391  3         BEGIN
;  397          0392  3         NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  398          0393  3         NML$AB_MSGBLOCK [MSB$B_CODE] = NMA$C_STS_SUC;
;  399          0394  2         END;
;  400          0395  2
;  401          0396  2 RETURN .STATUS
;  402          0397  1 END;                                    ! End of NML_CLEARENTITY


                                        003C 00000 NML_CLEARENTITY:
                                                   .WORD    Save R2,R3,R4,R5                        ; 0314
                    55 00000000G   00    9E 00002          MOVAB    NML$GL_PRS_FLGS, R5
                    54 00000000G   00    9E 00009          MOVAB    NML$AB_ENTITYDATA+5, R4
                    5E               18  C2 00010          SUBL2    #24, SP
50          04      AC               2C  C5 00013          MULL3    #44, ENTITY, R0                 ; 0361
                    53             6440  9A 00018          MOVZBL   NML$AB_ENTITYDATA+5[R0], DB
                             01    A440  9F 0001C          PUSHAB   NML$AB_ENTITYDATA+6[R0]         ; 0362
                    52               9E  D0 00020          MOVL     @(SP)+, SRCHKEY1
09                  65               02  E1 00023          BBC      #2, NML$GL_PRS_FLGS, 1$         ; 0363
                             05    A440  9F 00027          PUSHAB   NML$AB_ENTITYDATA+10[R0]        ; 0364
                    51               9E  D0 0002B          MOVL     @(SP)+, SRCHKEY2
                                     07  11 0002E          BRB      2$
                    51               01  D0 00030 1$:      MOVL     #1, SRCHKEY2                    ; 0367
          14        AC               01  CE 00033          MNEGL    #1, QUAL_LEN                    ; 0368
05                  65               01  E1 00037 2$:      BBC      #1, NML$GL_PRS_FLGS, 3$         ; 0373
                    50               21  D0 0003B          MOVL     #33, FUNC                       ; 0375
                                     03  11 0003E          BRB      4$
                    50               24  D0 00040 3$:      MOVL     #36, FUNC                       ; 0377
                                     5E  DD 00043 4$:      PUSHL    SP                              ; 0381
                       00000000G     00  9F 00045          PUSHAB   NML$GQ_QIOBFDSC
                              10     AE  9F 0004B          PUSHAB   P2DSC
                       00000000'     00  9F 0004E          PUSHAB   NML$Q_P2BFDSC
                              20     AE  9F 00054          PUSHAB   NFBDSC
```

```
                                00000000'  00  9F 00057          PUSHAB  NML$Q_NFBBFDSC                          ;
                             7E       14   AC  7D 0005D          MOVQ    QUAL_LEN, -(SP)                         ; 0383
                                           51  DD 00061          PUSHL   SRCHKEY2                                ;
                             7E       08   AC  7D 00063          MOVQ    ENTITY_LEN, -(SP)                       ; 0382
                                           52  DD 00067          PUSHL   SRCHKEY1                                ;
                                           09  BB 00069          PUSHR   #^M<R0,R3>                              ; 0381
                   00000000G  00           0E  FB 0006B          CALLS   #14, NML$BLDSETQBF                      ;
                                           5E  DD 00072          PUSHL   SP                                      ; 0387
                                           7E  D4 00074          CLRL    -(SP)                                   ;
                                    10     AE  9F 00076          PUSHAB  P2DSC                                   ;
                                    1C     AE  9F 00079          PUSHAB  NFBDSC                                  ;
                   00000000G  00           04  FB 0007C          CALLS   #4, NML$NETQIO                          ;
                              0D           50  E9 00083          BLBC    STATUS, 5$                              ; 0389
                                 00000000G 00  D4 00086          CLRL    NML$AB_MSGBLOCK                         ; 0392
                   00000000G  00           01  90 0008C          MOVB    #1, NML$AB_MSGBLOCK+4                   ; 0393
                                           04  00093 5$:         RET                                             ; 0397

; Routine Size:  148 bytes,    Routine Base:  $CODE$ + 00E5

;  403          0398  1
```

```
;  405          0399  1 %SBTTL 'NML$CLEARKNOLOG  Clear parameters for known logging'
;  406          0400  1 GLOBAL ROUTINE NML$CLEARKNOLOG (ENTITY, DUM1, DUM2, DUM3,
;  407          0401  1                                 DUM4, DUM5) : NOVALUE =
;  408          0402  1
;  409          0403  1 !++
;  410          0404  1 ! FUNCTIONAL DESCRIPTION:
;  411          0405  1 !
;  412          0406  1 !       Clear parameters for all volatile data base entries of the specified
;  413          0407  1 !       type.
;  414          0408  1 !
;  415          0409  1 ! INPUTS:
;  416          0410  1 !
;  417          0411  1 !       ENTITY          Entity type code.
;  418          0412  1 !       DUM1 - DUM2     Not used.
;  419          0413  1 !
;  420          0414  1 ! OUTPUTS:
;  421          0415  1 !
;  422          0416  1 !       All logging paramters are deleted from the database.
;  423          0417  1 !--
;  424          0418  1
;  425          0419  2     BEGIN
;  426          0420  2 !
;  427          0421  2 ! Add parameters to all sinks.
;  428          0422  2 !
;  429          0423  2     NML$CLEARLOGGING (.ENTITY, NMA$C_SNK_CON, 0); ! Console
;  430          0424  2     NML$CLEARLOGGING (.ENTITY, NMA$C_SNK_FIL, 0); ! File
;  431          0425  2     NML$CLEARLOGGING (.ENTITY, NMA$C_SNK_MON, 0); ! Monitor
;  432          0426  2
;  433          0427  1     END;                                  ! End of NML$CLEARKNOLOG



                                        0004 00000      .ENTRY  NML$CLEARK*IOLOG, Save R2                       ; 0400
                            52 00000000V  00    9E 00002    MOVAB   NML$CLEARLOGGING, R2
                            7E            01    7D 00009    MOVQ    #1, -(SP)                                   ; 0423
                                    04    AC    DD 0000C    PUSHL   ENTITY
                            62            03    FB 0000F    CALLS   #3, NML$CLEARLOGGING
                            7E            02    7D 00012    MOVQ    #2, -(SP)                                   ; 0424
                                    04    AC    DD 00015    PUSHL   ENTITY
                            62            03    FB 00018    CALLS   #3, NML$CLEARLOGGING
                            7E            03    7D 0001B    MOVQ    #3, -(SP)                                   ; 0425
                                    04    AC    DD 0001E    PUSHL   ENTITY
                            62            03    FB 00021    CALLS   #3, NML$CLEARLOGGING
                                          04    00024       RET                                                 ; 0427

; Routine Size:  37 bytes,    Routine Base:  $CODE$ + 0179
```

```
;  435     0428  1 %SBTTL 'NML$CLEARLOGGING  Clear logging parameters'
;  436     0429  1 GLOBAL ROUTINE NML$CLEARLOGGING (ENTITY, SNK, DUM2) : NOVALUE =
;  437     0430  1
;  438     0431  1 !++
;  439     0432  1 ! FUNCTIONAL DESCRIPTION:
;  440     0433  1 !
;  441     0434  1 !       Removes parameters to the volatile data base entry for the specified
;  442     0435  1 !       logging entity.
;  443     0436  1 !
;  444     0437  1 ! INPUTS:
;  445     0438  1 !
;  446     0439  1 !       ENTITY          Entity type code.
;  447     0440  1 !       SNK             Logging sink type.
;  448     0441  1 !       DUM2            Not used.
;  449     0442  1 !
;  450     0443  1 ! OUTPUTS:
;  451     0444  1 !
;  452     0445  1 !       Specified parameters or entities cleared from database.
;  453     0446  1 !--
;  454     0447  1
;  455     0448  2     BEGIN
;  456     0449  2
;  457     0450  2     LOCAL
;  458     0451  2         MSG_SIZE;                       ! Message size
;  459     0452  2
;  460     0453  2 !
;  461     0454  2 ! See if parameter indicates all parameters.
;  462     0455  2 !
;  463     0456  2     IF .NML$GL_PRS_FLGS [NML$V_PRS_ALL]
;  464     0457  2     THEN
;  465     0458  2         NML_CLEARLOGALL (.SNK)
;  466     0459  2     ELSE
;  467     0460  2 !
;  468     0461  2 ! Decide if the parameter group is for filters (EFI) or sinks (ESI).
;  469     0462  2 !
;  470     0463  2         IF .NML$GL_PRS_FLGS [NML$V_PRS_ESIPG]
;  471     0464  2         THEN
;  472     0465  2             NML_CLEARENTITY (NML$C_SINK, 1, SNK)
;  473     0466  2         ELSE
;  474     0467  2             NML_CLEARLOGGING (.SNK, .NML$GW_EVTSNKADR);
;  475     0468  2 !
;  476     0469  2 ! Add entity id (sink type code) to entity buffer.
;  477     0470  2 !
;  478     0471  2     NML$Q_ENTBFDSC [DSC$W_LENGTH] = 1;
;  479     0472  2     NML$Q_ENTBFDSC [DSC$A_POINTER] = NML$T_ENTBUFFER;
;  480     0473  2     CH$WCHAR (.SNK, NML$T_ENTBUFFER);
;  481     0474  2 !
;  482     0475  2 ! Set up message information.
;  483     0476  2 !
;  484     0477  2     NML$AB_MSGBLOCK [MSB$V_ENTD_FLD] = 1; ! Set entity descriptor flag
;  485     0478  2     NML$AB_MSGBLOCK [MSB$A_ENTITY] =
;  486     0479  2                                     NML$Q_ENTBFDSC; ! Add entity descriptor pointer
;  487     0480  2 !
;  488     0481  2 ! Build and send the message.
;  489     0482  2 !
;  490     0483  2     NML$BLD_REPLY (NML$AB_MSGBLOCK, MSG_SIZE);
;  491     0484  2     NML$SEND (NML$AB_SNDBUFFER, .MSG_SIZE);
```

```
;  492          0485  2
;  493          0486  1     END;                                ! End of NML$CLEARLOGGING


                                                000C 00000          .ENTRY  NML$CLEARLOGGING, Save R2,R3                    ; 0429
                                 53 00000000G   00   9E 00002       MOVAB   NML$AB_MSGBLOCK, R3
                                 52 00000000'   00   9E 00009       MOVAB   NML$Q_ENTBFDSC, R2
                                 5E                  04   C2 00010   SUBL2   #4, SP
                          0C 00000000G   00          01   E1 00013   BBC     #1, NML$GL_PRS_FLGS, 1$                     ; 0456
                                               08    AC   DD 0001B   PUSHL   SNK                                         ; 0458
                             00000000V   00          01   FB 0001E   CALLS   #1, NML_CLEARLOGALL
                                                     27   11 00025   BRB     3$
                          0E 00000000G   00          04   E1 00027 1$:BBC     #4, NML$GL_PRS_FLGS+1, 2$                   ; 0463
                                               08    AC   9F 0002F   PUSHAB  SNK                                         ; 0465
                                                     01   DD 00032   PUSHL   #1
                                                     02   DD 00034   PUSHL   #2
                                  FF0C   CF          03   FB 00036   CALLS   #3, NML_CLEARENTITY
                                                     11   11 0003B   BRB     3$
                                 7E 00000000G   00   3C   0003D 2$: MOVZWL  NML$GW_EVTSNKADR, -(SP)                     ; 0467
                                               08    AC   DD 00044   PUSHL   SNK
                             00000000V   00          02   FB 00047   CALLS   #2, NML_CLEARLOGGING
                                 62                  01   B0 0004E 3$: MOVW    #1, NML$Q_ENTBFDSC                      ; 0471
                                    04   A2     C0   A2   9E 00051   MOVAB   NML$T_ENTBUFFER, NML$Q_ENTBFDSC+4         ; 0472
                                    CC   A2     08   AC   90 00056   MOVB    SNK, NML$T_ENTBUFFER                    ; 0473
                                 63                  10   88 0005B   BISB2   #16, NML$AB_MSGBLOCK                      ; 0477
                                    14   A3         62   9E 0005E   MOVAB   NML$Q_ENTBFDSC, NML$AB_MSGBLOCK+20       ; 0478
                                               4008  8F   BB 00062   PUSHR   #^M<R3,SP>                                ; 0483
                             00000000G   00          02   FB 00066   CALLS   #2, NML$BLD_REPLY
                                                     6E   DD 0006D   PUSHL   MSG_SIZE                                  ; 0484
                                    00000000G   00   9F   0006F   PUSHAB  NML$AB_SNDBUFFER
                             00000000G   00          02   FB 00075   CALLS   #2, NML$SFND
                                                     04   0007C   RET                                                  ; 0486

; Routine Size:  125 bytes,    Routine Base:  $CODE$ + 019E
```

```
;  495     0487  1 %SBTTL 'NML_CLEARLOGGING  Clear entity parameters'
;  496     0488  1 ROUTINE NML_CLEARLOGGING (SNK, SNKADR) : NOVALUE =
;  497     0489  1
;  498     0490  1 !++
;  499     0491  1 ! FUNCTIONAL DESCRIPTION:
;  500     0492  1 !
;  501     0493  1 !       This routine performs clear functions on the logging volatile data
;  502     0494  1 !       base for both singular and plural requests.
;  503     0495  1 !
;  504     0496  1 ! INPUTS:
;  505     0497  1 !
;  506     0498  1 !       SNK             Logging sink type.
;  507     0499  1 !       SNKADR          Sink node address.
;  508     0500  1 !
;  509     0501  1 ! OUTPUTS:
;  510     0502  1 !
;  511     0503  1 !       Specified parameters cleared from database.
;  512     0504  1 !--
;  513     0505  1
;  514     0506  2     BEGIN
;  515     0507  2
;  516     0508  2     MAP
;  517     0509  2         SNKADR : WORD;
;  518     0510  2
;  519     0511  2     LOCAL
;  520     0512  2         DB,                             ! Database ID
;  521     0513  2         SRCHKEY1,                       ! Search key one ID
;  522     0514  2         FUNC,                           ! Function to perform
;  523     0515  2         DUMDSC    : REF DESCRIPTOR,     ! Dummy descriptor for table
;  524     0516  2         FLDSIZE,
;  525     0517  2         FLDADR,
;  526     0518  2         SHOW_NFBDSC     : REF DESCRIPTOR,
;  527     0519  2         CLEAR_NFBDSC    : DESCRIPTOR,
;  528     0520  2         P2DSC     : DESCRIPTOR,
;  529     0521  2         PTR,
;  530     0522  2         QBFDSC    : DESCRIPTOR,
;  531     0523  2         RECDSC    : DESCRIPTOR,
;  532     0524  2         STATUS,
;  533     0525  2         TABDES    : REF DESCRIPTOR,
;  534     0526  2         TMPSNK,                         ! Temporary sink address
;  535     0527  2         UPDFLG;                         ! Data base update flag
;  536     0528  2
;  537     0529  2     NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;  ! Initialize message flags
;  538     0530  2     RECDSC [DSC$W_LENGTH] = 0;          ! Initial descriptor
;  539     0531  2     RECDSC [DSC$A_POINTER] = .NML$GQ_RECBFDSC [DSC$A_POINTER];
;  540     0532  2 !
;  541     0533  2 ! Get the logging sink node information.
;  542     0534  2 !
;  543     0535  2     NML$GETINFTABS (NML$C_LOGGING, NML$C_EVENTS, SHOW_NFBDSC, DUMDSC, 0);
;  544     0536  2     NML$BLDP2 (0, .SNKADR, -1, 0, NML$GQ_P2BFDSC, P2DSC);
;  545     0537  2 !
;  546     0538  2 ! Look for the sink node entry in the volatile data base.  If no entry is
;  547     0539  2 ! found then just return.  If an error is encountered then return it.
;  548     0540  2 !
;  549     0541  2     STATUS = NML$NETQIO (.SHOW_NFBDSC, P2DSC, 0, NML$GQ_QIOBFDSC);
;  550     0542  2
;  551     0543  2     IF .STATUS EQL NML$_STS_CMP
```

```
;  552          0544  2      THEN
;  553          0545  3          BEGIN
;  554          0546  3          NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  555          0547  3          NML$AB_MSGBLOCK [MSB$B_CODE] = NMA$C_STS_SUC;
;  556          0548  2          END;
;  557          0549  2
;  558          0550  2      IF NOT .STATUS
;  559          0551  2      THEN
;  560          0552  2          RETURN;
;  561          0553  2
;  562          0554  2      PTR = .NML$GQ_QIOBFDSC [DSC$A_POINTER];
;  563          0555  2  !
;  564          0556  2  ! If the length of the parameter is not zero then store the event information
;  565          0557  2  ! in a record that looks like the permanent data base.
;  566          0558  2  !
;  567          0559  2      IF NOT NML$SAVEVENTS (.NML$GQ_RECBFDSC [DSC$W_LENGTH],
;  568          0560  2                            .(.PTR)<0,16>,
;  569          0561  2                            .PTR + 2,
;  570          0562  2                           RECDSC)
;  571          0563  2      THEN
;  572          0564  2          RETURN;
;  573          0565  2  !
;  574          0566  2  ! Add event to record.
;  575          0567  2  !
;  576          0568  2      IF NOT NML$ADDEVENTS (FALSE, RECDSC, .SNK, .SNKADR, UPDFLG)
;  577          0569  2      THEN
;  578          0570  2          RETURN;
;  579          0571  2  !
;  580          0572  2  ! If there are any filters left, replace them in the volatile data base.
;  581          0573  2  ! Otherwise, delete the entire sink node entry.
;  582          0574  2  !
;  583          0575  2
;  584          0576  2      IF .UPDFLG
;  585          0577  2      THEN
;  586          0578  2          FUNC = NFB$C_FC_SET
;  587          0579  2      ELSE
;  588          0580  2          FUNC = NFB$C_FC_DELETE;
;  589          0581  2
;  590          0582  2      DB = .NML$AB_ENTITYDATA [NML$C_LOGGING, EIT$B_DATABASE];
;  591          0583  2      SRCHKEY1 = .NML$AB_ENTITYDATA [NML$C_LOGGING, EIT$L_SRCH_ID1];
;  592          0584  2      TABDES = .NML$AB_ENTITYDATA [NML$C_LOGGING, EIT$A_ALLTAB];
;  593          0585  2
;  594          0586  2      NML$BLDALLDES (RECDSC, .TABDES);
;  595          0587  2      NML$BLDSETQBF (.FUNC, .DB,
;  596          0588  2                           .SRCHKEY1, 0, SNKADR,
;  597          0589  2                          NFB$C_WILDCARD, -1, 0,
;  598          0590  2                          NML$Q_NFBBFDSC, CLEAR_NFBDSC,
;  599          0591  2                          NML$Q_P2BFDSC, P2DSC,
;  600          0592  2                          NML$GQ_QIOBFDSC, QBFDSC);
;  601          0593  2
;  602          0594  2      IF NML$NETQIO (CLEAR_NFBDSC, P2DSC, 0, QBFDSC)
;  603          0595  2      THEN
;  604          0596  3          BEGIN
;  605          0597  3
;  606          0598  3          NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  607          0599  3          NML$AB_MSGBLOCK [MSB$B_CODE] = NMA$C_STS_SUC;
;  608          0600  3
```

```
;  609          0601  2          END;
;  610          0602  2
;  611          0603  1      END;                                ! End of NML_CLEARLOGGING


                                        03FC 00000 NML_CLEARLOGGING:
                                                   .WORD   Save R2,R3,R4,R5,R6,R7,R8,R9                    ; 0488
                                59 00000000G   00  9E 00002     MOVAB   NML$NETQIO, R9                     ;
                                58 00000000G   00  9E 00009     MOVAB   NML$AB_ENTITYDATA+49, R8           ;
                                57 00000000G   00  9E 00010     MOVAB   NML$GQ_QIOBFDSC, R7                ;
                                56 00000000'   00  9E 00017     MOVAB   NML$Q_P2BFDSC, R6                  ;
                                55 00000000G   00  9E 0001E     MOVAB   NML$AB_MSGBLOCK, R5                ;
                                5E                 2C C2 00025  SUBL2   #44, SP                            ;
                                                   65 D4 00028  CLRL    NML$AB_MSGBLOCK                    ; 0529
                                             0C    AE B4 0002A  CLRW    RECDSC                             ; 0530
                                   10    AE 00000000G   00  D0 0002D  MOVL    NML$GQ_RECBFDSC+4, RECDSC+4        ; 0531
                                                   7E D4 00035  CLRL    -(SP)                              ; 0535
                                         04    AE 9F 00037     PUSHAB  DUMDSC                             ;
                                         0C    AE 9F 0003A     PUSHAB  SHOW_NFBDSC                        ;
                                               04 DD 0003D     PUSHL   #4                                 ;
                                               01 DD 0003F     PUSHL   #1                                 ;
                           00000000G   00      05 FB 00041     CALLS   #5, NML$GETINFTABS                 ;
                                         1C    AE 9F 00048     PUSHAB  P2DSC                              ; 0536
                                               56 DD 0004B     PUSHL   R6                                 ;
                                               7E D4 0004D     CLRL    -(SP)                              ;
                                      7E       01 CE 0004F     MNEGL   #1, -(SP)                          ;
                                      7E    08 AC 3C 00052     MOVZWL  SNKADR, -(SP)                      ;
                                               7E D4 00056     CLRL    -(SP)                              ;
                           00000000G   00      06 FB 00058     CALLS   #6, NML$BLDP2                      ;
                                               57 DD 0005F     PUSHL   R7                                 ; 0541
                                               7E D4 00061     CLRL    -(SP)                              ;
                                         24    AE 9F 00063     PUSHAB  P2DSC                              ;
                                         10    AE DD 00066     PUSHL   SHOW_NFBDSC                        ;
                                      69       04 FB 00069     CALLS   #4, NML$NETQIO                     ;
                           FFFFFFF0   8F       50 D1 0006C     CMPL    STATUS, #-16                       ; 0543
                                               06 12 00073     BNEQ    1$                                 ;
                                               65 D4 00075     CLRL    NML$AB_MSGBLOCK                    ; 0546
                                 04    A5      01 90 00077     MOVB    #1, NML$AB_MSGBLOCK+4              ; 0547
                                       34      50 E9 0007B  1$: BLBC    STATUS, 2$                         ; 0550
                                       50         04 A7 D0 0007E  MOVL    NML$GQ_QIOBFDSC+4, PTR             ; 0554
                                                  0C AE 9F 00082  PUSHAB  RECDSC                             ; 0559
                                                  02 A0 9F 00085  PUSHAB  2(PTR)                             ; 0561
                                          7E         60 3C 00088  MOVZWL  (PTR), -(SP)                      ; 0560
                                          7E 00000000G  00 3C 0008B  MOVZWL  NML$GQ_RECBFDSC, -(SP)          ; 0559
                           00000000G      00         04 FB 00092  CALLS   #4, NML$SAVEVENTS                 ;
                                          7A         50 E9 00099  BLBC    R0, 5$                             ;
                                                  08 AE 9F 0009C  PUSHAB  UPDFLG                             ; 0568
                                          7E      08 AC 3C 0009F  MOVZWL  SNKADR, -(SP)                      ;
                                                  04 AC DD 000A3  PUSHL   SNK                                ;
                                                  18 AE 9F 000A6  PUSHAB  RECDSC                             ;
                                                     7E D4 000A9  CLRL    -(SP)                              ;
                           00000000G      00         05 FB 000AB  CALLS   #5, NML$ADDEVENTS                 ;
                                          61         50 E9 000B2  2$: BLBC    R0, 5$                         ;
                                          05      08 AE E9 000B5     BLBC    UPDFLG, 3$                         ; 0576
```

```
                                52              23  D0 000B9          MOVL    #35, FUNC                                       ; 0578
                                                03  11 000BC          BRB     4$                                              ;
                                52              21  D0 000BE 3$:      MOVL    #33, FUNC                                       ; 0580
                                54              68  9A 000C1 4$:      MOVZBL  NML$AB_ENTITYDATA+49, DB                        ; 0582
                                53          01  A8  D0 000C4         MOVL    NML$AB_ENTITYDATA+50, SRCHKEY1                  ; 0583
                                50          23  A8  D0 000C8         MOVL    NML$AB_ENTITYDATA+84, TABDES                    ; 0584
                                                50  DD 000CC         PUSHL   TABDES                                          ; 0586
                                            10  AE  9F 000CE         PUSHAB  RECDSC                                          ;
                        00000000G   00          02  FB 000D1         CALLS   #2, NML$BLDALLDES                               ;
                                            14  AE  9F 000D8         PUSHAB  QBFDSC                                          ; 0587
                                                57  DD 000DB         PUSHL   R7                                              ;
                                            24  AE  9F 000DD         PUSHAB  P2DSC                                           ;
                                                56  DD 000E0         PUSHL   R6                                              ;
                                            34  AE  9F 000E2         PUSHAB  CLEAR_NFBDSC                                    ;
                                            08  A6  9F 000E5         PUSHAB  NML$Q_NFBBFDSC                                  ;
                                                7E  D4 000E8         CLRL    -(SP)                                           ;
                                7E              01  CE 000EA         MNEGL   #1, -(SP)                                       ; 0589
                                                01  DD 000ED         PUSHL   #1                                              ; 0587
                                            08  AC  9F 000EF         PUSHAB  SNKADR                                          ;
                                                7E  D4 000F2         CLRL    -(SP)                                           ;
                                                53  DD 000F4         PUSHL   SRCHKEY1                                        ; 0588
                                                14  BB 000F6         PUSHR   #^M<R2,R4>                                      ; 0587
                        00000000G   00          0E  FB 000F8         CALLS   #14, NML$BLDSETQBF                              ;
                                            14  AE  9F 000FF         PUSHAB  QBFDSC                                          ; 0594
                                                7E  D4 00102         CLRL    -(SP)                                           ;
                                            24  AE  9F 00104         PUSHAB  P2DSC                                           ;
                                            30  AE  9F 00107         PUSHAB  CLEAR_NFBDSC                                    ;
                                69              04  FB 0010A         CALLS   #4, NML$NETQIO                                  ;
                                06              50  E9 0010D         BLBC    R0, 5$                                          ;
                                                65  D4 00110         CLRL    NML$AB_MSGBLOCK                                 ; 0598
                            04  A5              01  90 00112         MOVB    #1, NML$AB_MSGBLOCK+4                           ; 0599
                                                04  00116 5$:       RET                                                     ; 0603

; Routine Size:  279 bytes,    Routine Base:  $CODE$ + 021B
```

```
;  613          0604  1 %SBTTL 'NML_CLEARLOGALL  Clear all logging parameters'
;  614          0605  1 ROUTINE NML_CLEARLOGALL (SNK) : NOVALUE =
;  615          0606  1
;  616          0607  1 !++
;  617          0608  1 ! FUNCTIONAL DESCRIPTION:
;  618          0609  1 !
;  619          0610  1 !       This routine clears all parameters for the specified logging sink type
;  620          0611  1 !       from the volatile data base.
;  621          0612  1 !
;  622          0613  1 ! INPUTS:
;  623          0614  1 !
;  624          0615  1 !       SNK
;  625          0616  1 !
;  626          0617  1 ! OUTPUTS:
;  627          0618  1 !
;  628          0619  1 !       All parameters for the sink type are deleted from the database.
;  629          0620  1 !--
;  630          0621  1
;  631          0622  2     BEGIN
;  632          0623  2
;  633          0624  2     LOCAL
;  634          0625  2         BUFEND,
;  635          0626  2         DB,                                 ! Database ID
;  636          0627  2         SRCHKEY1,                           ! Search key one ID
;  637          0628  2         DUMDSC : REF DESCRIPTOR,
;  638          0629  2         ENTITYADD,
;  639          0630  2         ENTITYLEN,
;  640          0631  2         LISDSC : DESCRIPTOR,                ! List buffer descriptor
;  641          0632  2         MSGFLG : BYTE,                      ! Response message flag
;  642          0633  2         SHOW_NFBDSC     : REF DESCRIPTOR,       ! NFB descriptor address
;  643          0634  2         CLEAR_NFBDSC    : DESCRIPTOR,
;  644          0635  2         P2DSC  : DESCRIPTOR,
;  645          0636  2         PRMDSC : DESCRIPTOR,
;  646          0637  2         PTR,                                ! Pointer into sink node list
;  647          0638  2         QBFDSC : DESCRIPTOR,
;  648          0639  2         RECDSC : DESCRIPTOR,                ! Record descriptor
;  649          0640  2         SETDSC : DESCRIPTOR,                ! Event parameter descriptor
;  650          0641  2         SNKADR : WORD,                      ! Address of sink node
;  651          0642  2         SRCPTR,                             ! Pointer to source block
;  652          0643  2         STATUS,
;  653          0644  2         STRTFLG,
;  654          0645  2         TMPSNK;                             ! Temporary sink address
;  655          0646  2
;  656          0647  2 !
;  657          0648  2 ! Get entity database ID, the search key value, and clear the
;  658          0649  2 ! parameter descriptor count.
;  659          0650  2 !
;  660          0651  2     DB = .NML$AB_ENTITYDATA [NML$C_LOGGING, EIT$B_DATABASE];
;  661          0652  2     SRCHKEY1 = .NML$AB_ENTITYDATA [NML$C_LOGGING, EIT$L_SRCH_ID1];
;  662          0653  2     NML$GW_PRMDESCNT = 0;
;  663          0654  2 !
;  664          0655  2 ! Clear the sink parameters.  If error then don't do any more.
;  665          0656  2 !
;  666          0657  2     STATUS = NML_CLEARENTITY (NML$C_SINK, 1, SNK);
;  667          0658  2
;  668          0659  3     IF NOT .STATUS AND (.STATUS NEQ NML$_STS_CMP)
;  669          0660  2     THEN
```

```
;  670          0661  2          RETURN;
;  671          0662  2      !
;  672          0663  2      ! Purge the logging filter data.
;  673          0664  2      !
;  674          0665  2      STRTFLG = FALSE;
;  675          0666  2
;  676          0667  3      WHILE (STATUS = NML$GET_ENTITY_IDS (NML$C_LOGGING,
;  677          0668  3                                          NMA$C_ENT_KNO,
;  678          0669  3                                          0,
;  679          0670  3                                          .STRTFLG,
;  680          0671  2                                          LISDSC)) DO
;  681          0672  3          BEGIN
;  682          0673  3
;  683          0674  3          PTR = .LISDSC [DSC$A_POINTER];
;  684          0675  3          BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
;  685          0676  3          !
;  686          0677  3          ! Set up success message as the default.
;  687          0678  3          !
;  688          0679  3          NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  689          0680  3          NML$AB_MSGBLOCK [MSB$B_CODE]  = NMA$C_STS_SUC;
;  690          0681  3
;  691          0682  3          WHILE .PTR LSSA .BUFEND DO
;  692          0683  4              BEGIN
;  693          0684  4
;  694          0685  4              STRTFLG = TRUE;
;  695          0686  4
;  696          0687  4              SNKADR = .(.PTR)<0,16>;
;  697          0688  4              PTR = .PTR + 4;
;  698          0689  4              !
;  699          0690  4              ! Get the data.
;  700          0691  4              !
;  701          0692  4              NML$GETINFTABS (NML$C_LOGGING, NML$C_EVENTS, SHOW_NFBDSC,
;  702          0693  4                              DOMDSC, 0);
;  703          0694  4              NML$BLDP2 (0, .SNKADR, -1, 0, NML$Q_P2BFDSC, P2DSC);
;  704          0695  4
;  705          0696  4              STATUS = NML$NETQIO (.SHOW_NFBDSC,
;  706          0697  4                                   P2DSC,
;  707          0698  4                                   0,
;  708          0699  4                                   NML$GQ_QIOBFDSC);
;  709          0700  4              !
;  710          0701  4              ! If QIO fails then don't do any more.
;  711          0702  4              !
;  712          0703  4              IF NOT .STATUS
;  713          0704  4              THEN
;  714          0705  4                  EXITLOOP;
;  715          0706  4
;  716          0707  4              SETDSC [DSC$W_LENGTH]  =
;  717          0708  4                  .(.NML$GQ_QIOBFDSC [DSC$A_POINTER])<0,16>;
;  718          0709  4              SETDSC [DSC$A_POINTER] =
;  719          0710  4                  .NML$GQ_QIOBFDSC [DSC$A_POINTER] + 2;
;  720          0711  4
;  721          0712  4              CH$MOVE (.SETDSC [DSC$W_LENGTH],
;  722          0713  4                       .SETDSC [DSC$A_POINTER],
;  723          0714  4                       .NML$Q_EVTBFDSC [DSC$A_POINTER]);
;  724          0715  4
;  725          0716  4              PRMDSC [DSC$W_LENGTH] = .SETDSC [DSC$W_LENGTH];
;  726          0717  4              PRMDSC [DSC$A_POINTER] =
```

```
;  727     0718  4                .NML$Q_EVTBFDSC [DSC$A_POINTER];
;  728     0719  4            !
;  729     0720  4            ! Clear event filters.
;  730     0721  4            !
;  731     0722  4            SRCPTR = 0;
;  732     0723  4            WHILE NML$GETNXTSNK (PRMDSC, .SNK, SRCPTR) DO
;  733     0724  5                BEGIN
;  734     0725  5
;  735     0726  5                NML$REMSRC (PRMDSC, .SRCPTR);
;  736     0727  5                SRCPTR = 0;                 : Start at the beginning again
;  737     0728  5
;  738     0729  4                END;
;  739     0730  4
;  740     0731  4            !
;  741     0732  4            ! If event parameter has nothing in it then clear the entire
;  742     0733  4            ! sink node entry from the volatile data base.
;  743     0734  4            !
;  744     0735  4            TMPSNK = .SNKADR;
;  745     0736  4            IF .PRMDSC [DSC$W_LENGTH] EQLU 0
;  746     0737  4            THEN
;  747     0738  4                NML_CLEARENTITY (NML$C_LOGGING, 0, TMPSNK)
;  748     0739  4            ELSE
;  749     0740  5                BEGIN
;  750     0741  5                !
;  751     0742  5                ! Set the event information up as a parameter in a
;  752     0743  5                ! permanent data base record for processing by the
;  753     0744  5                ! SET QIO routines.
;  754     0745  5                !
;  755     0746  5                RECDSC [DSC$W_LENGTH] = 0;
;  756     0747  5                RECDSC [DSC$A_POINTER] = .NML$GQ_RECBFDSC [DSC$A_POINTER];
;  757     0748  5                IF NOT NML$SAVEVENTS (.NML$GQ_RECBFDSC [DSC$W_LENGTH],
;  758     0749  5                                      .PRMDSC [DSC$W_LENGTH],
;  759     0750  5                                      .PRMDSC [DSC$A_POINTER],
;  760     0751  5                                      RECDSC)
;  761     0752  5                THEN
;  762     0753  5                    RETURN;
;  763     0754  5                !
;  764     0755  5                ! Build QIO buffer and add the parameters to the
;  765     0756  5                ! volatile database entry.
;  766     0757  5                !
;  767     0758  5                NML$BLDALLDES (RECDSC,
;  768     0759  5                               .NML$AB_ENTITYDATA [NML$C_LOGGING,
;  769     0760  5                                                   EIT$A_ALLTAB]);
;  770     0761  5                NML$BLDSETQBF (NFB$C_FC_SET, .DB,
;  771     0762  5                               .SRCAKEY1, 0, TMPSNK,
;  772     0763  5                               NFB$C_WILDCARD, -1, 0,
;  773     0764  5                               NML$Q_NFBBFDSC, CLEAR_NFBDSC,
;  774     0765  5                               NML$Q_P2BFDSC, P2DSC,
;  775     0766  5                               NML$GQ_QIOBFDSC, QBFDSC);
;  776     0767  5
;  777     0768  5                STATUS = NML$NETQIO (CLEAR_NFBDSC, P2DSC, 0, QBFDSC);
;  778     0769  5
;  779     0770  5                IF NOT .STATUS
;  780     0771  5                THEN
;  781     0772  5                    EXITLOOP;
;  782     0773  5
;  783     0774  4                END;
```

```
;  784          0775  3              END;
;  785          0776  3
;  786          0777  3          IF NOT .STATUS
;  787          0778  3          THEN
;  788          0779  3              EXITLOOP;
;  789          0780  3
;  790          0781  2          END;
;  791          0782  2
;  792          0783  2      IF .STATUS
;  793          0784  3      OR (.STATUS EQL NML$_STS_CMP)
;  794          0785  2      THEN
;  795          0786  3          BEGIN
;  796          0787  3
;  797          0788  3          NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  798          0789  3          NML$AB_MSGBLOCK [MSB$B_CODE] = NMA$C_STS_SUC;
;  799          0790  3
;  800          0791  2          END;
;  801          0792  2
;  802          0793  1      END;                                ! End of NML_CLEARLOGALL
```

```
                                    0FFC 00000 NML_CLEARLOGALL:
                                               .WORD   Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11          ; 0605
                     5E        B4   AE  9E 00002          MOVAB   -76(SP), SP                        ;
                     7E 00000000G   00  9A 00006          MOVZBL  NML$AB_ENTITYDATA+49, DB           ; 0651
                     5B 00000000G   00  D0 0000D          MOVL    NML$AB_ENTITYDATA+50, SRCHKEY1     ; 0652
                        00000000G   00  B4 00014          CLRW    NML$GW_PRMDESCNT                   ; 0653
                                04  AC  9F 0001A          PUSHAB  SNK                                ; 0657
                                    01  DD 0001D          PUSHL   #1                                 ;
                                    02  DD 0001F          PUSHL   #2                                 ;
                         FD8D   CF       03  FB 00021          CALLS   #3, NML_CLEARENTITY            ;
                                57       50  D0 00026          MOVL    R0, STATUS                     ;
                                0A       57  E8 00029          BLBS    STATUS, 1$                     ; 0659
                         FFFFFFF0   8F   57  D1 0002C          CMPL    STATUS, #-16                   ;
                                    01  13 00033          BEQL    1$                                 ;
                                    04  00035          RET                                        ;
                                    59  D4 00036 1$:      CLRL    STRTFLG                            ; 0665
                                48  AE  9F 00038 2$:      PUSHAB  LISDSC                             ; 0667
                                    59  DD 0003B          PUSHL   STRTFLG                            ; 0670
                                    7E  D4 0003D          CLRL    -(SP)                              ; 0667
                                7E      01  CE 0003F          MNEGL   #1, -(SP)                      ;
                                    01  DD 00042          PUSHL   #1                                 ;
                     00000000G  00       05  FB 00044          CALLS   #5, NML$GET_ENTITY_IDS         ;
                                57       50  D0 0004B          MOVL    R0, STATUS                     ;
                                72       57  E9 0004E          BLBC    STATUS, 5$                     ;
                                58   4C  AE  D0 00051          MOVL    LISDSC+4, PTR                  ; 0674
                                50   48  AE  3C 00055          MOVZWL  LISDSC, R0                     ; 0675
                             04  AE   4C BE40  9E 00059          MOVAB   @LISDSC+4[R0], BUFEND          ;
                                 00000000G  00  D4 0005F          CLRL    NML$AB_MSGBLOCK                ; 0679
                     00000000G   00          01  90 00065          MOVB    #1, NML$AB_MSGBLOCK+4          ; 0680
                             04  AE          58  D1 0006C 3$:      CMPL    PTR, BUFEND                    ; 0682
                                             03  1F 00070          BLSSU   4$                             ;
                                         013C  31 00072          BRW     10$                            ;
                                59           01  D0 00075 4$:      MOVL    #1, STRTFLG                    ; 0685
```

```
                    5A              88  B0 00078          MOVW    (PTR)+, SNKADR                                  ; 0687
                    58              02  C0 00078          ADDL2   #2, PTR                                         ; 0688
                                    7E  D4 0007E          CLRL    -(SP)                                           ; 0692
                                0C  AE  9F 00080          PUSHAB  DUMDSC
                                14  AE  9F 00083          PUSHAB  SHOW_NFBDSC
                                    04  DD 00086          PUSHL   #4
                                    01  DD 00088          PUSHL   #1
                00000000G       00      05  FB 0008A      CALLS   #5, NML$GETINFTABS
                                    38  AE  9F 00091      PUSHAB  P2DSC                                           ; 0694
                            00000000'   00  9F 00094      PUSHAB  NML$Q_P2BFDSC
                                    7E  D4 0009A          CLRL    -(SP)
                                7E      01  CE 0009C      MNEGL   #1, -(SP)
                                7E      5A  3C 0009F      MOVZWL  SNKADR, -(SP)
                                    7E  D4 000A2          CLRL    -(SP)
                00000000G       00      06  FB 000A4      CALLS   #6, NML$BLDP2
                            00000000G   00  9F 000AB      PUSHAB  NML$GQ_QIOBFDSC                                 ; 0696
                                    7E  D4 000B1          CLRL    -(SP)
                                40  AE  9F 000B3          PUSHAB  P2DSC
                                18  AE  DD 000B6          PUSHL   SHOW_NFBDSC
                00000000G       00      04  FB 000B9      CALLS   #4, NML$NETQIO
                                57      50  D0 000C0      MOVL    R0, STATUS
                                03      57  E8 000C3 5$:  BLBS    STATUS, 6$                                      ; 0703
                                    00EE    31 000C6      BRW     11$
                                50 00000000G   00  D0 000C9 6$:  MOVL    NML$GQ_QIOBFDSC+4, R0                   ; 0708
                            18  AE          60  B0 000D0      MOVW    (R0), SETDSC
                            1C  AE      02  A0  9E 000D4      MOVAB   2(R0), SETDSC+4                         ; 0710
                                56 00000000'   00  D0 000D9  MOVL    NML$Q_EVTBFDSC+4, R6                    ; 0714
                        66      1C  BE      18  AE  28 000E0  MOVC3   SETDSC, @SETDSC+4, (R6)
                                30  AE      18  AE  B0 000E6  MOVW    SETDSC, PRMDSC                          ; 0716
                                34  AE          56  D0 000EB  MOVL    R6, PRMDSC+4                            ; 0718
                                    10  AE      D4 000EF 7$:  CLRL    SRCPTR                                  ; 0722
                                    10  AE      9F 000F2      PUSHAB  SRCPTR                                  ; 0723
                                    04  AC      DD 000F5      PUSHL   SNK
                                    38  AE      9F 000F8      PUSHAB  PRMDSC
                00000000G       00              03  FB 000FB  CALLS   #3, NML$GETNXTSNK
                                0F              50  E9 00102  BLBC    R0, 8$
                                    10  AE      DD 00105      PUSHL   SRCPTR                                  ; 0726
                                    34  AE      9F 00108      PUSHAB  PRMDSC
                00000000G       00              02  FB 0010B  CALLS   #2, NML$REMSRC
                                                DB  11 00112  BRB     7$                                      ; 0727
                            14  AE              5A  3C 00114 8$:  MOVZWL  SNKADR, TMPSNK                      ; 0735
                                    30  AE      B5 00118      TSTW    PRMDSC                                  ; 0736
                                                0E  12 0011B  BNEQ    9$
                                    14  AE      9F 0011D      PUSHAB  TMPSNK                                  ; 0738
                                7E              01  7D 00120  MOVQ    #1, -(SP)
                        FC8B    CF              03  FB 00123  CALLS   #3, NML_CLEARENTITY
                                            FF41    31 00128  BRW     3$
                                    20  AE      B4 0012B 9$:  CLRW    RECDSC                                  ; 0746
                            24  AE  00000000G   00  D0 0012E  MOVL    NML$GQ_RECBFDSC+4, RECDSC+4             ; 0747
                                    20  AE      9F 00136      PUSHAB  RECDSC                                  ; 0748
                                    38  AE      DD 00139      PUSHL   PRMDSC+4                                ; 0750
                                7E  38  AE      3C 0013C      MOVZWL  PRMDSC, -(SP)                           ; 0749
                                7E  00000000G   00  3C 00140  MOVZWL  NML$GQ_RECBFDSC, -(SP)                  ; 0748
                00000000G       00              04  FB 00147  CALLS   #4, NML$SAVEVENTS
                                7C              50  E9 0014E  BLBC    R0, 12$
                                    00000000G   00  DD 00151  PUSHL   NML$AB_ENTITYDATA+84                    ; 0759
                                        24  AE  9F 00157      PUSHAB  RECDSC                                  ; 0758
```

```
                00000000G  00          02  FB  0015A          CALLS   #2, NML$BLDALLDES
                        28  AE  9F  00161          PUSHAB  QBFDSC                          ; 0761
                00000000G  00  9F  00164          PUSHAB  NML$GQ_QIOBFDSC
                        40  AE  9F  0016A          PUSHAB  P2DSC
                C0000000'  00  9F  0016D          PUSHAB  NML$Q_P2BFDSC
                        50  AE  9F  00173          PUSHAB  CLEAR_NFBDSC
                00000000'  00  9F  00176          PUSHAB  NML$Q_NFBBFDSC
                           7E  D4  0017C          CLRL    -(SP)
                        7E         01  CE  0017E          MNEGL   #1, -(SP)               ; 0763
                           01  DD  00181          PUSHL   #1                              ; 0761
                        38  AE  9F  00183          PUSHAB  TMPSNK
                           7E  D4  00186          CLRL    -(SP)
                           5B  DD  00188          PUSHL   SRCHKEY1                        ; 0762
                        30  AE  DD  0018A          PUSHL   DB                              ; 0761
                           23  DD  0018D          PUSHL   #35
                00000000G  00          0E  FB  0018F          CALLS   #14, NML$BLDSETQBF
                        28  AE  9F  00196          PUSHAB  QBFDSC                          ; 0768
                           7E  D4  00199          CLRL    -(SP)
                        40  AE  9F  0019B          PUSHAB  P2DSC
                        4C  AE  9F  0019E          PUSHAB  CLEAR_NFBDSC
                00000000G  00          04  FB  001A1          CALLS   #4, NML$NETQIO
                        57         50  D0  001A8          MOVL    R0, STATUS
                        03         57  E9  001AB          BLBC    STATUS, 10$             ; 0770
                              FEBB  31  001AE          BRW     3$
                        03         57  E9  001B1  10$:     BLBC    STATUS, 11$             ; 0777
                              FE81  31  001B4          BRW     2$
                FFFFFFF0   8F         57  D1  001B7  11$:     CMPL    STATUS, #-16            ; 0784
                           0D  12  001BE          BNEQ    12$
                00000000G  00  D4  001C0          CLRL    NML$AB_MSGBLOCK                 ; 0788
                00000000G  00         01  90  001C6          MOVB    #1, NML$AB_MSGBLOCK+4   ; 0789
                                      04  001CD  12$:     RET                             ; 0793

; Routine Size:  462 bytes,    Routine Base:  $CODE$ + 0332
```

```
;  804          0794  1 %SBTTL 'NML$CLEARKNOWN  Clear volatile parameters'
;  805          0795  1 GLOBAL ROUTINE NML$CLEARKNOWN (ENTITY, ENTITY_LEN, ENTITY_ADR,
;  806          0796  1                                 DUM3, DUM4, DUM5) : NOVALUE =
;  807          0797  1
;  808          0798  1 !++
;  809          0799  1 ! FUNCTIONAL DESCRIPTION:
;  810          0800  1 !
;  811          0801  1 !       This routine removes parameters from all entries of the specified
;  812          0802  1 !       entity type in the volatile data base.
;  813          0803  1 !
;  814          0804  1 ! INPUTS:
;  815          0805  1 !
;  816          0806  1 !       ENTITY          Entity type code.
;  817          0807  1 !       ENTITY_LEN      NMA$C_ENT_KNO - clear known entities
;  818          0808  1 !                       NMA$C_ENT_ACT - clear active entities
;  819          0809  1 !                       >0 - clear entity entries (used when entity has
;  820          0810  1 !                       multiple entries, as in the case of GROUPs which
;  821          0811  1 !                       have one database entry for each DTE in the group.
;  822          0812  1 !       ENTITY_ADR      Address of entity ID string if ENTITY_LEN > 0.
;  823          0813  1 !       DUM3 - DUM5     Not used.
;  824          0814  1 !
;  825          0815  1 ! OUTPUTS:
;  826          0816  1 !
;  827          0817  1 !       Modifies contents of the following:
;  828          0818  1 !
;  829          0819  1 !               NML$T_ENTBUFFER
;  830          0820  1 !               NML$Q_ENTBFDSC [DSC$W_LENGTH]
;  831          0821  1 !               NML$AB_MSGBLOCK
;  832          0822  1 !               NML$AB_SNDBUFFER
;  833          0823  1 !               NML$T_PRMBUFFER
;  834          0824  1 !--
;  835          0825  1
;  836          0826  2 BEGIN
;  837          0827  2
;  838          0828  2 LOCAL
;  839          0829  2         FUNC,
;  840          0830  2         BUFEND,
;  841          0831  2         DB,
;  842          0832  2         SRCHKEY1,
;  843          0833  2         ENTITYLEN,
;  844          0834  2         ENTITYADD,
;  845          0835  2         ENTIDPTR,
;  846          0836  2         LISDSC      : DESCRIPTOR,
;  847          0837  2         MSGSIZE,
;  848          0838  2         NFBDSC      : DESCRIPTOR,
;  849          0839  2         P2DSC       : DESCRIPTOR,
;  850          0840  2         PTR,
;  851          0841  2         QBFDSC      : DESCRIPTOR,
;  852          0842  2         RESLEN      : WORD,
;  853          0843  2         STATUS,
;  854          0844  2         STRTFLG;
;  855          0845  2 !
;  856          0846  2 ! Get volatile database info
;  857          0847  2 !
;  858          0848  2 DB = .NML$AB_ENTITYDATA [.ENTITY, EIT$B_DATABASE];
;  859          0849  2 SRCHKEY1 = .NML$AB_ENTITYDATA [.ENTITY, EIT$L_SRCH_ID1];
;  860          0850  2
```

```
;  861          0851  2 !
;  862          0852  2 ! Set function code
;  863          0853  2 !
;  864          0854  2 IF .NML$GL_PRS_FLGS [NML$V_PRS_ALL]
;  865          0855  2 THEN
;  866          0856  2         FUNC = NFB$C_FC_DELETE
;  867          0857  2 ELSE
;  868          0858  2         FUNC = NFB$C_FC_CLEAR;
;  869          0859  2
;  870          0860  2 STRTFLG = FALSE;
;  871          0861  2
;  872          0862  2 !
;  873          0863  2 ! The NICE protocol specifies that, for multiple entity changes, one NICE
;  874          0864  2 ! response message must be returned to NCP for each entity changed.  Each
;  875          0865  2 ! message must contain the ID of the entity changed.  Therefore, the following
;  876          0866  2 ! loop issues one QIO to the ACP to get a bufferfull of entity IDs, and then
;  877          0867  2 ! issues one QIO for each entity in the buffer to perform the change.  This
;  878          0868  2 ! process continues until the ACP return end-of-file to indicate that there
;  879          0869  2 ! are no more entities of the specified type.
;  880          0870  2 !
;  881          0871  2 WHILE NML$GET_ENTITY_IDS (.ENTITY, .ENTITY_LEN, .ENTITY_ADR, .STRTFLG, LISDSC) DO
;  882          0872  3     BEGIN
;  883          0873  3
;  884          0874  3     STRTFLG = TRUE;
;  885          0875  3
;  886          0876  3     BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
;  887          0877  3     PTR = .LISDSC [DSC$A_POINTER];
;  888          0878  3
;  889          0879  3     WHILE .PTR LSSA .BUFEND DO
;  890          0880  4         BEGIN
;  891          0881  4
;  892          0882  4         ENTIDPTR = NML$T_ENTBUFFER;
;  893          0883  4         NML$Q_ENTBFDSC [DSC$W_LENGTH] = NML$K_ENTBUFLEN;
;  894          0884  4         !
;  895          0885  4         ! Entity IDs for the ACP are different from those used by NICE.  The
;  896          0886  4         ! most common cause of this is that the ACP uses a word for the entity
;  897          0887  4         ! string length, and NICE uses a byte.  The following code sets up the
;  898          0888  4         ! two ID forms: the NICE entity ID for the response to NCP
;  899          0889  4         !               the ACP entity ID to be used in the P2 buffer of the
;  900          0890  4         !                     clear QIO.
;  901          0891  4         !
;  902          0892  4         SELECTONEU .ENTITY OF
;  903          0893  4             SET
;  904          0894  4             [NML$C_NODE]:
;  905          0895  5                 BEGIN
;  906          0896  5
;  907          0897  5                 PTR = .PTR + 4; ! Skip loopnode flag.
;  908          0898  5                 ENTITYADD = .PTR;       ! Point to node address
;  909          0899  5
;  910          0900  5                 ENTIDPTR = CH$MOVE (2, .PTR, .ENTIDPTR);
;  911          0901  5                 PTR = .PTR + 4;
;  912          0902  5
;  913          0903  5                 ENTITYLEN = .(.PTR)<0,8>; ! Get name length
;  914          0904  5                 PTR = .PTR + 2;
;  915          0905  5                 CH$WCHAR_A (.ENTITYLEN, ENTIDPTR);
;  916          0906  5                 ENTIDPTR = CH$MOVE (.ENTITYLEN, .PTR, .ENTIDPTR);
;  917          0907  5                 PTR = .PTR + .ENTITYLEN;
```

```
;  918     0908  5                ENTITYLEN = 2;  ! Get length of node address
;  919     0909  5
;  920     0910  4                END;
;  921     0911  4
;  922     0912  4            [NML$C_LOOPNODE]:
;  923     0913  5                BEGIN
;  924     0914  5                CH$WCHAR_A (0, ENTIDPTR); ! Zero node address
;  925     0915  5                CH$WCHAR_A (0, ENTIDPTR);
;  926     0916  4                END;
;  927     0917  4
;  928     0918  4            !
;  929     0919  4            ! The entity ID for the following modules is the string
;  930     0920  4            ! identifying the module (e.g. 'X25-PROTOCOL') followed by the
;  931     0921  4            ! parameter id, parameter type, and string for the qualifier
;  932     0922  4            ! being set.
;  933     0923  4            !
;  934     0924  4            [NML$C_X25_ACCESS,
;  935     0925  4            NML$C_PROT_NET,
;  936     0926  4            NML$C_PROT_DTE,
;  937     0927  4            NML$C_PROT_GRP,
;  938     0928  4            NML$C_X25_SERV_DEST,
;  939     0929  4            NML$C_TRACEPNT,
;  940     0930  4            NML$C_X29_SERV_DEST]:
;  941     0931  5                BEGIN
;  942     0932  5                SELECTONEU .ENTITY OF
;  943     0933  5                    SET
;  944     0934  5                    [NML$C_X25_ACCESS]:
;  945     0935  5                        $MOVE_ASCIC ('X25-ACCESS', ENTIDPTR);
;  946     0936  5                    [NML$C_PROT_NET, NML$C_PROT_DTE, NML$C_PROT_GRP]:
;  947     0937  5                        $MOVE_ASCIC ('X25-PROTOCOL', ENTIDPTR);
;  948     0938  5                    [NML$C_X25_SERV_DEST]:
;  949     0939  5                        $MOVE_ASCIC ('X25-SERVER', ENTIDPTR);
;  950     0940  5                    [NML$C_TRACEPNT]:
;  951     0941  5                        $MOVE_ASCIC ('X25-TRACE', ENTIDPTR);
;  952     0942  5                    [NML$C_X29_SERV_DEST]:
;  953     0943  5                        $MOVE_ASCIC ('X29-SERVER', ENTIDPTR);
;  954     0944  5                    TES;
;  955     0945  5                ENTIDPTR = CH$MOVE (2,
;  956     0946  5                                    NML$AB_ENTITYDATA [.ENTITY, EIT$W_DETAIL],
;  957     0947  5                                    .ENTIDPTR);
;  958     0948  5                CH$WCHAR_A (NMA$M_PTY_ASC, ENTIDPTR);
;  959     0949  4                END;
;  960     0950  4            TES;
;  961     0951  4
;  962     0952  4        !
;  963     0953  4        ! Finish setting up the entity IDs for all but nodes and server modules.
;  964     0954  4        !
;  965     0955  4        IF .ENTITY NEQ NML$C_NODE THEN
;  966     0956  5            BEGIN
;  967     0957  5            ENTITYLEN = .(.PTR)<0,16>;
;  968     0958  5            PTR = .PTR + 2;
;  969     0959  5            ENTITYADD = .PTR;
;  970     0960  5            CH$WCHAR_A (.ENTITYLEN, ENTIDPTR);
;  971     0961  5            ENTIDPTR = CH$MOVE (.ENTITYLEN,
;  972     0962  5                                .ENTITYADD,
;  973     0963  5                                .ENTIDPTR);
;  974     0964  5            PTR = .PTR + .ENTITYLEN;
```

```
;  975          0965  4              END;
;  976          0966  4
;  977          0967  4          NML$Q_ENTBFDSC [DSC$W_LENGTH] = .ENTIDPTR - NML$T_ENTBUFFER;
;  978          0968  4          !
;  979          0969  4          ! Build the buffers for the QIO and then issue the QIO to the ACP
;  980          0970  4          ! to clear parameters from the volatile database.
;  981          0971  4          !
;  982          0972  4          NML$BLDSETQBF (.FUNC, .DB,
;  983          0973  4                         .SRCHKEY1, .ENTITYLEN, .ENTITYADD,
;  984          0974  4                         NFB$C_WILDCARD, -1, 0,
;  985          0975  4                         NML$Q_NFBBFDSC, NFBDSC,
;  986          0976  4                         NML$Q_P2BFDSC,  P2DSC,
;  987          0977  4                         NML$GB_QIOBFDSC, QBFDSC);
;  988          0978  4          STATUS = NML$NETQIO (NFBDSC, P2DSC, 0, QBFDSC);
;  989          0979  4          IF .STATUS
;  990          0980  4          THEN
;  991          0981  5              BEGIN
;  992          0982  5              NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
;  993          0983  5              NML$AB_MSGBLOCK [MSB$B_CODE] = NMA$C_STS_SUC;
;  994          0984  4              END;
;  995          0985  4          !
;  996          0986  4          ! Add the entity id to the response message information.
;  997          0987  4          !
;  998          0988  4          NML$AB_MSGBLOCK [MSB$V_ENTD_FLD] = 1;
;  999          0989  4          NML$AB_MSGBLOCK [MSB$A_ENTITY] = NML$Q_ENTBFDSC;
; 1000          0990  4          !
; 1001          0991  4          ! Build and send the response message.
; 1002          0992  4          !
; 1003          0993  4          NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
; 1004          0994  4          NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
; 1005          0995  4
; 1006          0996  3              END;
; 1007          0997  2      END;
; 1008          0998  2
; 1009          0999  1 END;                                ! End of NML$CLEARKNOWN


                                                                        .PSECT  $PLIT$,NOWRT,NOEXE,2

                        53  53  45  43  43  41  2D  35  32  58  0A  00020 P.AAE:  .ASCII  <10>\X25-ACCESS\                                ;
                4C  4F  43  4F  54  4F  52  50  2D  35  32  58  0C  00028 P.AAF:  .ASCII  <12>\X25-PROTOCOL\                              ;
                        52  45  56  52  45  53  2D  35  32  58  0A  00038 P.AAG:  .ASCII  <10>\X25-SERVER\                                ;
                            45  43  41  52  54  2D  35  32  58  09  00043 P.AAH:  .ASCII  <9>\X25-TRACE\                                 ;
                        52  45  56  52  45  53  2D  39  32  58  0A  0004D P.AAI:  .ASCII  <10>\X29-SERVER\                                ;


                                                                        .PSECT  $CODE$,NOWRT,2

                                                        0FFC 00000      .ENTRY  NML$CLEARKNOWN, Save R2,R3,R4,R5,R6,R7,R8,-              ; 0795
                                                                                R9,R10,R11                                              ;
                                                    5E          38  C2  00002  SUBL2   #56, SP                                          ;
                                                    57      04  AC  D0  0C005  MOVL    ENTITY, R7                                      ; 0848
                                                    57          2C  C5  00009  MULL3   #44, R7, R6                                     ;
                                                08  AE 00000000G0046 9A  0000D  MOVZBL  NML$AB_ENTITYDATA+5[R6], DB                     ;
                                                   00000000G0046    9F  00016  PUSHAB  NML$AB_ENTITYDATA+6[R6]                          ; 0849
```

```
                04   AE            9E  D0 0001D          MOVL    @(SP)+, SRCHKEY1                                    ;
      05 00000000G   00            01  E1 00021          BBC     #1, NML$GL_PRS_FLGS, 1$                             ; 0854
                     6E            21  D0 00029          MOVL    #33, FUNC                                           ; 0856
                                   03  11 0002C          BRB     2$                                                  ;
                     6E            24  D0 0002E 1$:      MOVL    #36, FUNC                                           ; 0858
                                   5B  D4 00031 2$:      CLRL    STRTFLG                                             ; 0860
                         30    AE  9F 00033 3$:      PUSHAB  LISDSC                                              ; 0871
                                   5B  DD 00036          PUSHL   STRTFLG                                             ;
                     7E        08  AC  7D 00038          MOVQ    ENTITY_LEN, -(SP)                                   ;
                                   57  DD 0003C          PUSHL   R7                                                  ;
          00000000G  00            05  FB 0003E          CALLS   #5, NML$GET_ENTITY_IDS                              ;
                     01            50  E8 00045          BLBS    R0, 4$                                              ;
                                   04  00048          RET                                                         ;
                     5B            01  D0 00049 4$:      MOVL    #1, STRTFLG                                         ; 0874
                     50        30  AE  3C 0004C          MOVZWL  LISDSC, R0                                          ; 0876
                   0C  AE      34 BE40  9E 00050          MOVAB   @LISDSC+4[R0], BUFEND                               ;
                     58        34  AE  D0 00056          MOVL    LISDSC+4, PTR                                       ; 0877
                   0C  AE            58  D1 0005A 5$:      CMPL    PTR, BUFEND                                         ; 0879
                                   D3  1E 0005E          BGEQU   3$                                                  ;
                     53 00000000'  00  9E 00060          MOVAB   NML$T_ENTBUFFER, ENTIDPTR                           ; 0882
          00000000'  00        40  8F  9B 00067          MOVZBW  #64, NML$Q_ENTBFDSC                                 ; 0883
                     03            57  D1 0006F          CMPL    R7, #3                                              ; 0894
                                   21  12 00072          BNEQ    6$                                                  ;
                     58            04  C0 00074          ADDL2   #4, PTR                                             ; 0897
                     5A            58  D0 00077          MOVL    PTR, ENTITYADD                                      ; 0898
                     83            88  B0 0007A          MOVW    (PTR)+, (ENTIDPTR)+                                 ; 0900
                     58            02  C0 0007D          ADDL2   #2, PTR                                             ; 0901
                     59            88  9A 00080          MOVZBL  (PTR)+, ENTITYLEN                                   ; 0903
                                   58  D6 00083          INCL    PTR                                                 ; 0904
                     83            59  90 00085          MOVB    ENTITYLEN, (ENTIDPTR)+                              ; 0905
                63   68            59  28 00088          MOVC3   ENTITYLEN, (PTR), (ENTIDPTR)                        ; 0906
                     58            59  C0 0008C          ADDL2   ENTITYLEN, PTR                                      ; 0907
                     59            02  D0 0008F          MOVL    #2, ENTITYLEN                                       ; 0908
                                 0082  31 00092          BRW     16$                                                 ; 0892
                     05            57  D1 00095 6$:      CMPL    R7, #5                                              ; 0912
                                   06  12 00098          BNEQ    7$                                                  ;
                                   83  94 0009A          CLRB    (ENTIDPTR)+                                         ; 0914
                                   63  94 0009C          CLRB    (ENTIDPTR)                                          ; 0915
                                   75  11 0009E          BRB     15$                                                 ;
                     0D            57  D1 000A0 7$:      CMPL    R7, #13                                             ; 0924
                                   05  1F 000A3          BLSSU   8$                                                  ;
                     10            57  D1 000A5          CMPL    R7, #16                                             ;
                                   0F  1B 000A8          BLEQU   9$                                                  ;
                     12            57  D1 000AA 8$:      CMPL    R7, #18                                             ;
                                   0A  13 000AD          BEQL    9$                                                  ;
                     14            57  D1 000AF          CMPL    R7, #20                                             ;
                                   05  13 000B2          BEQL    9$                                                  ;
                     16            57  D1 000B4          CMPL    R7, #22                                             ;
                                   5E  12 000B7          BNEQ    16$                                                 ;
                     0D            57  D1 000B9 9$:      CMPL    R7, #13                                             ; 0934
                                   0A  12 000BC          BNEQ    10$                                                 ;
          63 00000000'  00         0B  28 000BE          MOVC3   #11, P.AAE, (ENTIDPTR)                              ; 0935
                                   3F  11 000C6          BRB     14$                                                 ;
                     0E            57  D1 000C8 10$:     CMPL    R7, #14                                             ; 0936
                                   0F  1F 000CB          BLSSU   11$                                                 ;
                     10            57  D1 000CD          CMPL    R7, #16                                             ;
                                   0A  1A 000D0          BGTRU   11$                                                 ;
```

```
                63 00000000'  00              0D  28 000D2          MOVC3   #13, P.AAF, (ENTIDPTR)                  ; 0937
                                              2B  11 000DA          BRB     14$                                     ;
                              12              57  D1 000DC 11$:     CMPL    R7, #18                                 ; 0938
                                              0A  12 000DF          BNEQ    12$                                     ;
                63 00000000'  00              0B  28 000E1          MOVC3   #11, P.AAG, (ENTIDPTR)                  ; 0939
                                              1C  11 000E9          BRB     14$                                     ;
                              14              57  D1 000EB 12$:     CMPL    R7, #20                                 ; 0940
                                              0A  12 000EE          BNEQ    13$                                     ;
                63 00000000'  00              0A  28 000F0          MOVC3   #10, P.AAH, (ENTIDPTR)                  ; 0941
                                              0D  11 000F8          BRB     14$                                     ;
                              16              57  D1 000FA 13$:     CMPL    R7, #22                                 ; 0942
                                              08  12 000FD          BNEQ    14$                                     ;
                63 00000000'  00              0B  28 000FF          MOVC3   #11, P.AAI, (ENTIDPTR)                  ; 0943
                                00000000G0046 9F  00107 14$:        PUSHAB  NML$AB_ENTITYDATA+1[R6]                 ; 0947
                              83              9E  B0 0010E          MOVW    @(SP)+, (ENTIDPTR)+                     ;
                              63        40    8F  90 00111          MOVB    #64, (ENTIDPTR)                         ; 0948
                                              53  D6 00115 15$:     INCL    ENTIDPTR                                ;
                              03              57  D1 00117 16$:     CMPL    R7, #3                                  ; 0955
                                              10  13 0011A          BEQL    17$                                     ;
                              59              88  3C 0011C          MOVZWL  (PTR)+, ENTITYLEN                       ; 0957
                              5A              58  D0 0011F          MOVL    PTR, ENTITYADD                          ; 0959
                              83              59  90 00122          MOVB    ENTITYLEN, (ENTIDPTR)+                  ; 0960
                63            6A              59  28 00125          MOVC3   ENTITYLEN, (ENTITYADD), (ENTIDPTR)      ; 0963
                              58              59  C0 00129          ADDL2   ENTITYLEN, PTR                          ; 0964
                              50 00000000'    00  9E 0012C 17$:     MOVAB   NML$T_ENTBUFFER, R0                     ; 0967
      00000000'  00           53              50  A3 00133          SUBW3   R0, ENTIDPTR, NML$Q_ENTBFDSC
                                    18        AE  9F 0013B          PUSHAB  QBFDSC                                  ; 0972
                                00000000G     00  9F 0013E          PUSHAB  NML$GQ_QIOBFDSC
                                      28      AE  9F 00144          PUSHAB  P2DSC
                                00000000'     00  9F 00147          PUSHAB  NML$Q_P2BFDSC
                                      38      AE  9F C014D          PUSHAB  NFBDSC
                                00000000'     00  9F 00150          PUSHAB  NML$Q_NFBBFDSC
                                              7E  D4 00156          CLRL    -(SP)
                              7E              01  CE 00158          MNEGL   #1, -(SP)                               ; 0974
                                              01  DD 0015B          PUSHL   #1                                      ; 0972
                              7E              59  7D 0015D          MOVQ    ENTITYLEN, -(SP)                        ; 0973
                                    30        AE  DD 00160          PUSHL   SRCHKEY1
                                    38        AE  DD 00163          PUSHL   DB                                      ; 0972
                                    34        AE  DD 00166          PUSHL   FUNC
      00000000G  00                           0E  FB 00169          CALLS   #14, NML$BLDSETQBF
                                    18        AE  9F 00170          PUSHAB  QBFDSC                                  ; 0978
                                              7E  D4 00173          CLRL    -(SP)
                                    28        AE  9F 00175          PUSHAB  P2DSC
                                    34        AE  9F 00178          PUSHAB  NFBDSC
      00000000G  00                           04  FB 0017B          CALLS   #4, NML$NETQIO
            10   AE                           50  D0 00182          MOVL    R0, STATUS
                              0D        10    AE  E9 00186          BLBC    STATUS, 18$                             ; 0979
                                00000000G     00  D4 0018A          CLRL    NML$AB_MSGBLOCK                         ; 0982
      00000000G  00                           01  90 00190          MOVB    #1, NML$AB_MSGBLOCK+4                   ; 0983
      00000000G  00                           10  88 00197 18$:     BISB2   #16, NML$AB_MSGBLOCK                    ; 0988
      00000000G  00 00000000'       00        9E  0019E          MOVAB   NML$Q_ENTBFDSC, NML$AB_MSGBLOCK+20      ; 0989
                                      14      AE  9F 001A9          PUSHAB  MSGSIZE                                 ; 0993
                                00000000G     00  9F 001AC          PUSHAB  NML$AB_MSGBLOCK
      00000000G  00                           02  FB 001B2          CALLS   #2, NML$BLD_REPLY
                                      14      AE  DD 001B9          PUSHL   MSGSIZE                                 ; 0994
                                00000000G     00  9F 001BC          PUSHAB  NML$AB_SNDBUFFER
      00000000G  00                           02  FB 001C2          CALLS   #2, NML$SEND
```

```
                                    FE8E  31 001C9         BRW     5$                              ; 0879
                                          04 001CC         RET                                     ; 0999

; Routine Size:  461 bytes,    Routine Base:  $CODE$ + 0500

; 1010          1000  !
```

```
; 1012          1001  1 END                                   ! End of module
; 1013          1002  1
; 1014          1003  0 ELUDOM
```

```
;                                   PSECT SUMMARY
;
;      Name                    Bytes                           Attributes
;
;  $OWN$                        1556  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $PLIT$                         88  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $CODE$                       1741  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
```

```
;                               Library Statistics
;                                        -------- Symbols --------      Pages       Processing
;      File                              Total    Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[NML.OBJ]NMLLIB.L32;1       341        53        15          27        00:00.1
;  _$255$DUA28:[SHRLIB]NMALIBRY.L32;1      887         6         0          47        00:00.2
;  _$255$DUA28:[SHRLIB]NET.L32;1          1279         4         0          63        00:00.3
;  _$255$DUA28:[SYSLIB]STARLET.L32;1      9776         2         0         581        00:03.2
```

```
;                                   COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:NMLCLEAR/OBJ=OBJ$:NMLCLEAR MSRC$:NMLCLEAR/UPDATE=(ENH$:NMLCLFAR)

; Size:          1741 code + 1644 data bytes
; Run Time:         00:31.3
; Elapsed Time:     01:13.9
; Lines/CPU Min:     1922
; Lexemes/CPU-Min: 11614
; Memory Used:  203 pages
; Compilation Complete
```

NML.CLEAR
LIS

NML.BLDMSG
LIS

NML.CHANGE
LIS

NML.DAT
LIS

NML.CLPUST
LIS