```
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**NMLCHANGE

```
NN      NN  MM      MM  LL          CCCCCCCC  HH      HH    AAAAAA    NN      NN    GGGGGGGG  EEEEEEEEEE
NN      NN  MM      MM  LL          CCCCCCCC  HH      HH    AAAAAA    NN      NN    GGGGGGGG  EEEEEEEEEE
NN      NN  MMMM  MMMM  LL        CC          HH      HH   AA    AA   NN      NN   GG         EE
NN      NN  MMMM  MMMM  LL        CC          HH      HH   AA    AA   NN      NN   GG         EE
NNNN    NN  MM  MM  MM  LL        CC          HH      HH   AA    AA   NNNN    NN   GG         EE
NNNN    NN  MM  MM  MM  LL        CC          HH      HH   AA    AA   NNNN    NN   GG         EE
NN  NN  NN  MM      MM  LL        CC          HHHHHHHHHH   AA    AA   NN  NN  NN   GG         EEEEEEEE
NN  NN  NN  MM      MM  LL        CC          HHHHHHHHHH   AA    AA   NN  NN  NN   GG         EEEEEEEE
NN    NNNN  MM      MM  LL        CC          HH      HH   AAAAAAAAAA   NN    NNNN   GG  GGGGGG EE
NN    NNNN  MM      MM  LL        CC          HH      HH   AAAAAAAAAA   NN    NNNN   GG  GGGGGG EE
NN      NN  MM      MM  LL        CC          HH      HH   AA    AA   NN      NN   GG      GG EE
NN      NN  MM      MM  LL        CC          HH      HH   AA    AA   NN      NN   GG      GG EE
NN      NN  MM      MM  LLLLLLLLLL    CCCCCCCC  HH      HH   AA    AA   NN      NN     GGGGGG   EEEEEEEEEE
NN      NN  MM      MM  LLLLLLLLLL    CCCCCCCC  HH      HH   AA    AA   NN      NN     GGGGGG   EEEEEEEEEE

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 Change parameters module'
;     2        0002  0 MODULE NML$CHANGE (
;     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.                    *
;    14        0014  1 !*  ALL RIGHTS RESERVED.                                                      *
;    15        0015  1 !*                                                                           *
;    16        0016  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED    *
;    17        0017  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
;    18        0018  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
;    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   *
;    21        0021  1 !*  TRANSFERRED.                                                              *
;    22        0022  1 !*                                                                           *
;    23        0023  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
;    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 handle dispatching of NCP
;    40        0040  1 !       SET, CLEAR, DEFINE, and PURGE commands to the correct routine
;    41        0041  1 !       according to the specified entity type.
;    42        0042  1 !
;    43        0043  1 ! ENVIRONMENT:  VAX/VMS Operating System
;    44        0044  1 !
;    45        0045  1 ! AUTHOR:  Kathy Perko
;    46        0046  1 !
;    47        0047  1 ! CREATION DATE:  15-April-1982
;    48        0048  1 !
;    49        0049  1 ! MODIFIED BY:
;    50        0050  1 !
;    51        0051  1 !       V03-009 MKP0009         Kathy Perko             9-Jan-1984
;    52        0052  1 !               Add X25-Access Module entity.
;    53        0053  1 !
;    54        0054  1 !       V03-008 MKP0008         Kathy Perko             26-Aug-1983
;    55        0055  1 !               Convert node permanent database to use multiple ISAM keys so
;    56        0056  1 !               it will be faster.
;    57        0057  1 !
```

```
;    58          0058  1 !       V03-007 MKP0007         Kathy Perko             25-April-1983
;    59          0059  1 !               Add support for PURGE NI Configurator module circuits.
;    60          0060  1 !
;    61          0061  1 !       V03-006 MKP0006         Kathy Perko             21-Jan-1983
;    62          0062  1 !               Add support for NI Configurator module.
;    63          0063  1 !
;    64          0064  1 !       V03-005 MKP0005         Kathy Perko             8-Nov-1982
;    65          0065  1 !               Change error reported to NCP if entity format is
;    66          0066  1 !               has not action routine in dispatch table.  Change it
;    67          0067  1 !               from "invalid function or option" to "invalid identification
;    68          0068  1 !               error".
;    69          0069  1 !
;    70          0070  1 !       V03-004 MKP0004         Kathy Perko             26-Sept-1982
;    71          0071  1 !               Change DEFINE KNOWN LOGGING to a separate routine.
;    72          0072  1 !
;    73          0073  1 !       V03-003 MKP0003         Kathy Perko             21-Sept-1982
;    74          0074  1 !               Allow disconnect of a single link without a node name
;    75          0075  1 !               specified.
;    76          0076  1 !
;    77          0077  1 !       V03-002 MKP0002         Kathy Perko             31-Aug-1982
;    78          0078  1 !               Fix X25 Protocol Group dispatch table to allow SET X-P
;    79          0079  1 !               GROUP FRED ALL and SET X-P K GROUP ALL.
;    80          0080  1 !
;    81          0081  1 !       V03-001 MKP0001         Kathy Perko             21-June-1982
;    82          0082  1 !               Add a dispatch routine for X25-Protocol networks.  This
;    83          0083  1 !               is needed because of the creation of a special network
;    84          0084  1 !               entity, active network.
;    85          0085  1 !               Change DISC LINKS to use qualifier logic if there is
;    86          0086  1 !               a node specified in the NICE message.
;    87          0087  1 !               Redo dispatch tables to specify a different change
;    88          0088  1 !               routine if the NICE command includes a qualifier.
;    89          0089  1 !               Add X29-Server and X25-Trace entities.
;    90          0090  1 !
;    91          0091  1 !--
;    92          0092  1
```

```
;    94          0093  1 %SBTTL 'Declarations'
;    95          0094  1
;    96          0095  1 !
;    97          0096  1 ! TABLE OF CONTENTS:
;    98          0097  1 !
;    99          0098  1
;   100          0099  1 FORWARD ROUTINE
;   101          0100  1         NML$CHANGE                  : NOVALUE,
;   102          0101  1         NML_CHANGE                  : NOVALUE,
;   103          0102  1         NML_CHANGE_LOGGING          : NOVALUE,
;   104          0103  1         NML_CHANGE_NODE             : NOVALUE,
;   105          0104  1         NML_CHANGE_EXECUTOR         : NOVALUE,
;   106          0105  1         NML_CHANGE_NETWORK          : NOVALUE,
;   107          0106  1         NML_DISCONNECT_LINKS        : NOVALUE,
;   108          0107  1         NML_CHANGE_PLURAL : NOVALUE;
;   109          0108  1
;   110          0109  1 !
;   111          0110  1 ! INCLUDE FILES:
;   112          0111  1 !
;   113          0112  1
;   114          0113  1 LIBRARY 'LIB$:NMLLIB.L32';
;   115          0114  1 LIBRARY 'SHRLIB$:NMALIBRY.L32';
;   116          0115  1 LIBRARY 'SYS$LIBRARY:STARLET.L32';
;   117          0116  1
;   118          0117  1 !
;   119          0118  1 ! EXTERNAL REFERENCES:
;   120          0119  1 !
;   121          0120  1
;   122          0121  1 $NML_EXTDEF;
;   123          0122  1
;   124          0123  1 EXTERNAL
;   125          0124  1     NML$AB_NPA_BLK  : $NPA_BLKDEF,
;   126          0125  1     NML$NPA_CLPUCIR,
;   127          0126  1     NML$NPA_CLPULIN,
;   128          0127  1     NML$NPA_CLPULNK,
;   129          0128  1     NML$NPA_CLPULOG,
;   130          0129  1     NML$NPA_CLPUNOD,
;   131          0130  1     NML$NPA_CLPUEXE,
;   132          0131  1     NML$NPA_CLPUOBJ,
;   133          0132  1     NML$NPA_SEDECIR,
;   134          0133  1     NML$NPA_SEDELIN,
;   135          0134  1     NML$NPA_SEDELOG,
;   136          0135  1     NML$NPA_SEDENOD,
;   137          0136  1     NML$NPA_SEDEEXE,
;   138          0137  1     NML$NPA_SEDE_X25_ACCESS,
;   139          0138  1     NML$NPA_SEDE_PROT_NET,
;   140          0139  1     NML$NPA_SEDE_PROT_DTE,
;   141          0140  1     NML$NPA_SEDE_PROT_GRP,
;   142          0141  1     NML$NPA_SEDE_X25_SERV,
;   143          0142  1     NML$NPA_SEDE_X25_SERV_DEST,
;   144          0143  1     NML$NPA_SEDE_TRACE,
;   145          0144  1     NML$NPA_SEDE_TRACEPOINT,
;   146          0145  1     NML$NPA_SEDE_X29_SERV,
;   147          0146  1     NML$NPA_SEDE_X29_SERV_DEST,
;   148          0147  1     NML$NPA_SEDE_NI_CONFIG,
;   149          0148  1     NML$NPA_CLPU_X25_ACCESS,
;   150          0149  1     NML$NPA_CLPU_PROT_NET,
```

```
;  151     0150  1      NML$NPA_CLPU_PROT_DTE,
;  152     0151  1      NML$NPA_CLPU_PROT_GRP,
;  153     0152  1      NML$NPA_CLPU_X25_SERV,
;  154     0153  1      NML$NPA_CLPU_X25_SERV_DEST,
;  155     0154  1      NML$NPA_CLPU_TRACE,
;  156     0155  1      NML$NPA_CLPU_TRACEPOINT,
;  157     0156  1      NML$NPA_CLPU_X29_SERV,
;  158     0157  1      NML$NPA_CLPU_X29_SERV_DEST,
;  159     0158  1      NML$NPA_CLPU_NI_CONFIG,
;  160     0159  1      NML$NPA_SEDEOBJ;
;  161     0160  1
;  162     0161  1  EXTERNAL ROUTINE
;  163     0162  1      LIB$ESTABLISH : ADDRESSING_MODE (GENERAL),
;  164     0163  1      LIB$REVERT    : ADDRESSING_MODE (GENERAL),
;  165     0164  1      NMA$NPARSE,
;  166     0165  1      NML$BLD_REPLY,
;  167     0166  1      NML$CAL_NI_CONFIG,
;  168     0167  1      NML$CLEARENTITY,
;  169     0168  1      NML$CLEAREXECUTOR,
;  170     0169  1      NML$CLEARKNOLOG,
;  171     0170  1      NML$CLEARKNONODES,
;  172     0171  1      NML$CLEARKNOWN,
;  173     0172  1      NML$CLEARLOGGING,
;  174     0173  1      NML$DEFENTITY,
;  175     0174  1      NML$DEFINE_NODE,
;  176     0175  1      NML$DEFINEKNOWN,
;  177     0176  1      NML$DEFINE_KNOWN_NODES,
;  178     0177  1      NML$DEFKNOWNLOG,
;  179     0178  1      NML$DEFLOGGING,
;  180     0179  1      NML$DISCKNOWN,
;  181     0180  1      NML$DISCONNECT,
;  182     0181  1      NML$ERROR_1,
;  183     0182  1      NML$ERROR_2,
;  184     0183  1      NML$MAINHANDLER,
;  185     0184  1      NML$OPENFILE,
;  186     0185  1      NML$PURENTITY,
;  187     0186  1      NML$PURGE_KNOWN_NODES,
;  188     0187  1      NML$PURGEKNOWN,
;  189     0188  1      NML$PURLOGGING,
;  190     0189  1      NML$SEND,
;  191     0190  1      NML$SETENTITY,
;  192     0191  1      NML$SETEXECUTOR,
;  193     0192  1      NML$SETKNOLOG,
;  194     0193  1      NML$SETKNONODES,
;  195     0194  1      NML$SETKNOWN,
;  196     0195  1      NML$SETLINE,
;  197     0196  1      NML$SETLOGGING,
;  198     0197  1      NML$SET_NI_CONFIG;
```

```
;  200          0198  1 !
;  201          0199  1 ! Macro to build dispatch table for an entity.
;  202          0200  1 !
;  203          0201  1 MACRO $TAB (TAB,
;  204          0202  1     DISPATCH_RTN,
;  205          0203  1     SETDEF_PARSE,       CLEPUR_PARSE,
;  206          0204  1     SET_RTN,        SET_W_QUAL_RTN,     SET_KNO_RTN,    SET_KNO_W_QUAL_RTN,
;  207          0205  1     CLEAR_RTN,      CLEAR_W_QUAL_RTN,   CLEAR_KNO_RTN,  CLEAR_KNO_W_QUAL_RTN,
;  208          0206  1     DEFINE_RTN,     DEFINE_W_QUAL_RTN,  DEFINE_KNO_RTN, DEFINE_KNO_W_QUAL_RTN,
;  209        M 0207  1     PURGE_RTN,      PURGE_W_QUAL_RTN,   PURGE_KNO_RTN,  PURGE_KNO_W_QUAL_RTN) =
;  210        M 0208  1
;  211        M 0209  1         OWN TAB : BBLOCK [%LENGTH * 4] INITIAL (
;  212        M 0210  1         $PIC (DISPATCH_RTN, TAB),
;  213        M 0211  1         $PIC (SETDEF_PARSE, TAB),
;  214        M 0212  1         $PIC (CLEPUR_PARSE,TAB),
;  215        M 0213  1         $PIC (SET_RTN,TAB),
;  216        M 0214  1         $PIC (SET_W_QUAL_RTN,TAB),
;  217        M 0215  1         $PIC (SET_KNO_RTN,TAB),
;  218        M 0216  1         $PIC (SET_KNO_W_QUAL_RTN,TAB),
;  219        M 0217  1         $PIC (CLEAR_RTN,TAB),
;  220        M 0218  1         $PIC (CLEAR_W_QUAL_RTN,TAB),
;  221        M 0219  1         $PIC (CLEAR_KNO_RTN,TAB),
;  222        M 0220  1         $PIC (CLEAR_KNO_W_QUAL_RTN,TAB),
;  223        M 0221  1         $PIC (DEFINE_RTN,TAB),
;  224        M 0222  1         $PIC (DEFINE_W_QUAL_RTN,TAB),
;  225        M 0223  1         $PIC (DEFINE_KNO_RTN,TAB),
;  226        M 0224  1         $PIC (DEFINE_KNO_W_QUAL_RTN,TAB),
;  227        M 0225  1         $PIC (PURGE_RTN,TAB),
;  228        M 0226  1         $PIC (PURGE_W_QUAL_RTN,TAB),
;  229        M 0227  1         $PIC (PURGE_KNO_RTN,TAB),
;  230        M 0228  1         $PIC (PURGE_KNO_W_QUAL_RTN,TAB))
;  231          0229  1                 %,
;  232          0230  1
;  233        M 0231  1     $PIC (ADDR,TAB) =
;  234        M 0232  1                 %IF %IDENTICAL (ADDR, 0)
;  235        M 0233  1                 %THEN   LONG (0)
;  236        M 0234  1                 %ELSE LONG (%NAME (ADDR) - %NAME (TAB))
;  237        M 0235  1                 %FI
;  238          0236  1                 %;
;  239          0237  1
;  240          0238  1
;  241          0239  1 !
;  242          0240  1 ! Dispatch tables.  There is one table for each internal NML entity (NML
;  243          0241  1 ! internal entities are broken down more that NICE entities).  The table
;  244          0242  1 ! specifies the following information about the entity:
;  245          0243  1 !       The address of the dispatch routine in this module for the entity.
;  246          0244  1 !               The dispatch routines vary depending on the different
;  247          0245  1 !               formats the entities can have.
;  248          0246  1 !       The addresses of the NPARSE tables used to parse the parameters
;  249          0247  1 !               in the NICE command.  The NICE function, option byte,
;  250          0248  1 !               and entity have already been parsed by this time.
;  251          0249  1 !       The addresses of the routines which perform the requested change:
;  252          0250  1 !               - Set single entity
;  253          0251  1 !               - Set single entity with qualifier
;  254          0252  1 !               - Set known entities
;  255          0253  1 !               - Set known entities with qualifier
;  256          0254  1 !               - Clear single entity
```

```
;   257          0255  1 !                 - Clear single entity with qualifier
;   258          0256  1 !                 - Clear known entities
;   259          0257  1 !                 - Clear known entities with qualifier
;   260          0258  1 !                 - Define single entity
;   261          0259  1 !                 - Define single entity with qualifier
;   262          0260  1 !                 - Define known entities
;   263          0261  1 !                 - Define known entities with qualifier
;   264          0262  1 !                 - Purge single entity
;   265          0263  1 !                 - Purge single entity with qualifier
;   266          0264  1 !                 - Purge known entities
;   267          0265  1 !                 - Purge known entities with qualifier
;   268          0266  1 !
;   269        P 0267  1 $TAB (LINE_TAB,                           ! NML$C_LINE
;   270        P 0268  1     NML_CHANGE,
;   271        P 0269  1     NML$NPA_SEDELIN,    NML$NPA_CLPULIN,
;   272        P 0270  1     NML$SETENTITY,      0,      NML$SETKNOWN,    0,
;   273        P 0271  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN,  0,
;   274        P 0272  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;   275          0273  1     NML$PURENTITY,      0,      NML$PURGEKNOWN,  0);
;   276          0274  1
;   277        P 0275  1 $TAB (LOGGING_TAB,                        ! NML$C_LOGGING
;   278        P 0276  1     NML_CHANGE_LOGGING,
;   279        P 0277  1     NML$NPA_SEDELOG,    NML$NPA_CLPULOG,
;   280        P 0278  1     NML$SETLOGGING,     0,      NML$SETKNOLOG,   0,
;   281        P 0279  1     NML$CLEARLOGGING,   0,      NML$CLEARKNOLOG,0,
;   282        P 0280  1     NML$DEFLOGGING,     0,      NML$DEFKNOWNLOG,0,
;   283          0281  1     NML$PURLOGGING,     0,      NML$PURGEKNOWN,  0);
;   284          0282  1
;   285          0283  1 BIND SINK_TAB = UPLIT (0);
;   286          0284  1
;   287        P 0285  1 $TAB (NODE_TAB,                           ! NML$C_NODE
;   288        P 0286  1     NML_CHANGE_NODE,
;   289        P 0287  1     NML$NPA_SEDENOD,    NML$NPA_CLPUNOD,
;   290        P 0288  1     NML$SETENTITY,      0,      NML$SETKNONODES,         0,
;   291        P 0289  1     NML$CLEARENTITY,    0,      NML$CLEARKNONODES,       0,
;   292        P 0290  1     NML$DEFINE_NODE,    0,      NML$DEFINE_KNOWN_NODES,  0,
;   293          0291  1     NML$PURENTITY,      0,      NML$PURGE_KNOWN_NODES,   0);
;   294          0292  1
;   295        P 0293  1 $TAB (NODEBYNAME_TAB,                     ! NML$C_NODEBYNAME
;   296        P 0294  1     NML_CHANGE_NODE,
;   297        P 0295  1     NML$NPA_SEDENOD,    NML$NPA_CLPUNOD,
;   298        P 0296  1     NML$SETENTITY,      0,      NML$SETKNONODES,         0,
;   299        P 0297  1     NML$CLEARENTITY,    0,      NML$CLEARKNONODES,       0,
;   300        P 0298  1     NML$DEFINE_NODE,    0,      NML$DEFINE_KNOWN_NODES,  0,
;   301          0299  1     NML$PURENTITY,      0,      NML$PURGE_KNOWN_NODES,   0);
;   302          0300  1
;   303          0301  1 BIND LOOPNODE_TAB = UPLIT (0);
;   304          0302  1
;   305          0303  1 BIND ADJACENT_NODE_TAB = UPLIT (0);
;   306          0304  1
;   307        P 0305  1 $TAB (EXECUTOR_TAB,                       ! NML$C_EXECUTOR
;   308        P 0306  1     NML_CHANGE_EXECUTOR,
;   309        P 0307  1     NML$NPA_SEDEEXE,    NML$NPA_CLPUEXE,
;   310        P 0308  1     NML$SETEXECUTOR,    0,      0,       0,
;   311        P 0309  1     NML$CLEAREXECUTOR,  0,      0,       0,
;   312        P 0310  1     NML$DEFINE_NODE,    0,      0,       0,
;   313          0311  1     NML$PURENTITY,      0,      0,       0);
```

```
;   314          0312  1
;   315        P 0313  1 $TAB (OBJECT_TAB,                           ! NML$C_OBJECT
;   316        P 0314  1     NML_CHANGE,
;   317        P 0315  1     NML$NPA_SEDEOBJ,    NML$NPA_CLPUOBJ,
;   318        P 0316  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;   319        P 0317  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;   320        P 0318  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;   321          0319  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;   322          0320  1
;   323        P 0321  1 $TAB (CIRCUIT_TAB,                          ! NML$C_CIRCUIT
;   324        P 0322  1     NML_CHANGE,
;   325        P 0323  1     NML$NPA_SEDECIR,    NML$NPA_CLPUCIR,
;   326        P 0324  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;   327        P 0325  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;   328        P 0326  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;   329          0327  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;   330          0328  1
;   331          0329  1 BIND CIRCUIT_ADJACENT_TAB = UPLIT (0);
;   332          0330  1
;   333          0331  1 BIND CIRCUIT_ADJ_SRC_TAB = UPLIT (0);
;   334          0332  1
;   335          0333  1 BIND AREA_TAB = UPLIT (0);
;   336          0334  1
;   337        P 0335  1 $TAB (ACCESS_TAB,                           ! NML$C_X25_ACCESS
;   338        P 0336  1     NML_CHANGE_NETWORK,
;   339        P 0337  1     NML$NPA_SEDE_X25_ACCESS,    NML$NPA_CLPU_X25_ACCESS,
;   340        P 0338  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;   341        P 0339  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;   342        P 0340  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;   343          0341  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;   344          0342  1
;   345        P 0343  1 $TAB (PROT_NET_TAB,                         ! NML$C_PROT_NET
;   346        P 0344  1     NML_CHANGE_NETWORK,
;   347        P 0345  1     NML$NPA_SEDE_PROT_NET,      NML$NPA_CLPU_PROT_NET,
;   348        P 0346  1     NML$SETENTITY,      0,      0,      0,
;   349        P 0347  1     NML$CLEARENTITY,    0,      0,      0,
;   350        P 0348  1     NML$DEFENTITY,      0,      0,      0,
;   351          0349  1     NML$PURENTITY,      0,      0,      0);
;   352          0350  1
;   353        P 0351  1 $TAB (PROT_DTE_TAB,                         ! NML$C_PROT_DTE
;   354        P 0352  1     NML_CHANGE,
;   355        P 0353  1     NML$NPA_SEDE_PROT_DTE,      NML$NPA_CLPU_PROT_DTE,
;   356        P 0354  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;   357        P 0355  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;   358        P 0356  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;   359          0357  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;   360          0358  1
;   361        P 0359  1 $TAB (PROT_GRP_TAB,                         ! NML$C_PROT_GRP
;   362        P 0360  1     NML_CHANGE,
;   363        P 0361  1     NML$NPA_SEDE_PROT_GRP,      NML$NPA_CLPU_PROT_GRP,
;   364        P 0362  1     NML$SETKNOWN,       NML$SETENTITY,  NML$SETKNOWN,   0,
;   365        P 0363  1     NML$CLEARENTITY,    NML$CLEARENTITY,NML$CLEARKNOWN, 0,
;   366        P 0364  1     0,                  NML$DEFENTITY,  0,              0,
;   367          0365  1     NML$PURGEKNOWN,     NML$PURENTITY,  NML$PURGEKNOWN, 0);
;   368          0366  1
;   369        P 0367  1 $TAB (X25_SERV_TAB,                         ! NML$C_X25_SERV
;   370        P 0368  1     NML_CHANGE,
```

```
;  371        P 0369  1     NML$NPA_SEDE_X25_SERV,      NML$NPA_CLPU_X25_SERV,
;  372        P 0370  1     NML$SETENTITY,              0,      0,      0,
;  373        P 0371  1     NML$CLEARENTITY,            0,      0,      0,
;  374        P 0372  1     NML$DEFENTITY,              0,      0,      0,
;  375          0373  1     NML$PURENTITY,              0,      0,      0);
;  376          0374  1
;  377        P 0375  1 $TAB (X25_SERV_DEST_TAB,        ! NML$C_X25_SERV_DEST
;  378        P 0376  1     NML_CHANGE,
;  379        P 0377  1     NML$NPA_SEDE_X25_SERV_DEST, NML$NPA_CLPU_X25_SERV_DEST,
;  380        P 0378  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;  381        P 0379  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;  382        P 0380  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;  383          0381  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;  384          0382  1
;  385        P 0383  1 $TAB (TRACE_TAB,                ! NML$C_TRACE
;  386        P 0384  1     NML_CHANGE,
;  387        P 0385  1     NML$NPA_SEDE_TRACE,         NML$NPA_CLPU_TRACE,
;  388        P 0386  1     NML$SETENTITY,              0,      0,      0,
;  389        P 0387  1     NML$CLEARENTITY,            0,      0,      0,
;  390        P 0388  1     NML$DEFENTITY,              0,      0,      0,
;  391          0389  1     NML$PURENTITY,              0,      0,      0);
;  392          0390  1
;  393        P 0391  1 $TAB (TRACEPNT_TAB,             ! NML$C_TRACEPNT
;  394        P 0392  1     NML_CHANGE,
;  395        P 0393  1     NML$NPA_SEDE_TRACEPOINT,    NML$NPA_CLPU_TRACEPOINT,
;  396        P 0394  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;  397        P 0395  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;  398        P 0396  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;  399          0397  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;  400          0398  1
;  401        P 0399  1 $TAB (X29_SERV_TAB,             ! NML$C_X29_SERV
;  402        P 0400  1     NML_CHANGE,
;  403        P 0401  1     NML$NPA_SEDE_X29_SERV,      NML$NPA_CLPU_X29_SERV,
;  404        P 0402  1     NML$SETENTITY,              0,      0,      0,
;  405        P 0403  1     NML$CLEARENTITY,            0,      0,      0,
;  406        P 0404  1     NML$DEFENTITY,              0,      0,      0,
;  407          0405  1     NML$PURENTITY,              0,      0,      0);
;  408          0406  1
;  409        P 0407  1 $TAB (X29_SERV_DEST_TAB,        ! NML$C_X29_SERV_DEST
;  410        P 0408  1     NML_CHANGE,
;  411        P 0409  1     NML$NPA_SEDE_X29_SERV_DEST, NML$NPA_CLPU_X29_SERV_DEST,
;  412        P 0410  1     NML$SETENTITY,      0,      NML$SETKNOWN,   0,
;  413        P 0411  1     NML$CLEARENTITY,    0,      NML$CLEARKNOWN, 0,
;  414        P 0412  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;  415          0413  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;  416          0414  1
;  417        P 0415  1 $TAB (NI_CONFIG_TAB,    ! NML$C_NI_CONFIG
;  418        P 0416  1     NML_CHANGE,
;  419        P 0417  1     NML$NPA_SEDE_NI_CONFIG,     NML$NPA_CLPU_NI_CONFIG,
;  420        P 0418  1     NML$SET_NI_CONFIG,  0,      NML$SET_NI_CONFIG,0,
;  421        P 0419  1     NML$CALC_NI_CONFIG, 0,      NML$CALC_NI_CONFIG,0,
;  422        P 0420  1     NML$DEFENTITY,      0,      NML$DEFINEKNOWN,0,
;  423          0421  1     NML$PURENTITY,      0,      NML$PURGEKNOWN, 0);
;  424          0422  1
;  425        P 0423  1 $TAB (LINK_TAB,                 ! NML$C_LINK
;  426        P 0424  1     NML_DISCONNECT_LINKS,
;  427        P 0425  1     0,                  0,      ! No further parsing necessary.
```

```
;  428        P 0426  1     0,                  0,                  0,                  0,
;  429        P 0427  1     NML$DISCONNECT,     NML$DISCONNECT,     NML$DISCKNOWN,      NML$DISCKNOWN,
;  430        P 0428  1     0,                  0,                  0,                  0,
;  431          0429  1     0,                  0,                  0,                  0);
;  432          0430  1
;  433          0431  1
;  434          0432  1 !
;  435          0433  1 ! Table table.  Contains pointers to Dispatch tables for NML entities.
;  436          0434  1 ! Indexed by NML$C_entity definitions.
;  437          0435  1 !
;  438          0436  1 OWN TABLE_TAB : VECTOR [NML$C_MAXENTITY] INITIAL (
;  439          0437  1           $PIC (LINE_TAB, TABLE_TAB),
;  440          0438  1           $PIC (LOGGING_TAB,TABLE_TAB),
;  441          0439  1           $PIC (SINK_TAB,TABLE_TAB),
;  442          0440  1           $PIC (NODE_TAB,TABLE_TAB),
;  443          0441  1           $PIC (NODEBYNAME_TAB,TABLE_TAB),
;  444          0442  1           $PIC (LOOPNODE_TAB,TABLE_TAB),
;  445          0443  1           $PIC (ADJACENT_NODE_TAB,TABLE_TAB),
;  446          0444  1           $PIC (EXECUTOR_TAB,TABLE_TAB),
;  447          0445  1           $PIC (OBJECT_TAB,TABLE_TAB),
;  448          0446  1           $PIC (CIRCUIT_TAB,TABLE_TAB),
;  449          0447  1           $PIC (CIRCUIT_ADJACENT_TAB,TABLE_TAB),
;  450          0448  1           $PIC (CIRCUIT_ADJ_SRC_TAB, TABLE_TAB),
;  451          0449  1           $PIC (AREA_TAB,TABLE_TAB),
;  452          0450  1           $PIC (ACCESS_TAB,TABLE_TAB),
;  453          0451  1           $PIC (PROT_NET_TAB,TABLE_TAB),
;  454          0452  1           $PIC (PROT_DTE_TAB,TABLE_TAB),
;  455          0453  1           $PIC (PROT_GRP_TAB,TABLE_TAB),
;  456          0454  1           $PIC (X25_SERV_TAB,TABLE_TAB),
;  457          0455  1           $PIC (X25_SERV_DEST_TAB,TABLE_TAB),
;  458          0456  1           $PIC (TRACE_TAB,TABLE_TAB),
;  459          0457  1           $PIC (TRACEPNT_TAB,TABLE_TAB),
;  460          0458  1           $PIC (X29_SERV_TAB,TABLE_TAB),
;  461          0459  1           $PIC (X29_SERV_DEST_TAB,TABLE_TAB),
;  462          0460  1           $PIC (NI_CONFIG_TAB,TABLE_TAB),
;  463          0461  1           $PIC (LINK_TAB,TABLE_TAB));
```

```
;   465          0462  1 %SBTTL 'NML$CHANGE  Change parameters main routine'
;   466          0463  1 GLOBAL ROUTINE NML$CHANGE : NOVALUE =
;   467          0464  1
;   468          0465  1 !++
;   469          0466  1 ! FUNCTIONAL DESCRIPTION:
;   470          0467  1 !
;   471          0468  1 !       This routine dispatches the NICE change parameters command to
;   472          0469  1 !       the correct function handler.
;   473          0470  1 !
;   474          0471  1 ! FORMAL PARAMETERS:
;   475          0472  1 !
;   476          0473  1 !       NONE
;   477          0474  1 !
;   478          0475  1 ! IMPLICIT INPUTS:
;   479          0476  1 !
;   480          0477  1 !       NML$GB_OPTIONS contains the option byte parsed from the NICE message.
;   481          0478  1 !       NML$GB_ENTITY_CODE contains the entity code.
;   482          0479  1 !
;   483          0480  1 !--
;   484          0481  1
;   485          0482  2 BEGIN
;   486          0483  2
;   487          0484  2 MAP
;   488          0485  2     NML$GB_ENTITY_FORMAT : BYTE SIGNED,
;   489          0486  2     NML$GB_OPTIONS : BBLOCK [1];
;   490          0487  2
;   491          0488  2 LOCAL
;   492          0489  2     ENT_TAB     : REF BBLOCK,      ! Dispatch table reference
;   493          0490  2     RTN_ADDR,                      ! Temporary routine address
;   494          0491  2     PARSE_TAB,                     ! Address of NICE message parsing
;   495          0492  2                                    !       table.
;   496          0493  2     CHANGE_TABLE_ADR: REF BBLOCK,! Address of SET, CLEAR, DEFINE, or PURGE
;   497          0494  2                                    !       portion of entity dispatch table.
;   498          0495  2     CHANGE_RTN;                    ! Address of routine to perform
;   499          0496  2                                    !       change requested by NICE
;   500          0497  2                                    !       message.
;   501          0498  2
;   502          0499  2
;   503          0500  2 !
;   504          0501  2 ! Get address of entity's dispatch table.  The addresses are stored as offsets
;   505          0502  2 ! to make NMLSHR PIC.  Change the offset into a useable address.
;   506          0503  2 !
;   507          0504  2 ENT_TAB = .TABLE_TAB [.NML$GL_NML_ENTITY] + TABLE_TAB;
;   508          0505  2 IF .ENT_TAB NEQA 0 THEN
;   509          0506  3     BEGIN
;   510          0507  3     RTN_ADDR = .ENT_TAB [DT$L_DISPATCH] + .ENT_TAB;
;   511          0508  3     !
;   512          0509  3     !  Go to dispatch table for the entity specified in the NICE message.
;   513          0510  3     !  Get the address the NICE parameter parsing table, and the address
;   514          0511  3     !  of the routine which performs the type of change requested.
;   515          0512  3     !
;   516          0513  3     IF .RTN_ADDR NEQA .ENT_TAB THEN
;   517          0514  4         BEGIN
;   518          0515  4         !
;   519          0516  4         ! Get parsing table address
;   520          0517  4         !
;   521          0518  4         IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN
```

```
;   522     0519  4          PARSE_TAB = .ENT_TAB [DT$L_CLPU_PARSE] + .ENT_TAB
;   523     0520  4      ELSE
;   524     0521  4          PARSE_TAB = .ENT_TAB [DT$L_SEDE_PARSE] + .ENT_TAB;
;   525     0522  4
;   526     0523  4      !
;   527     0524  4      ! Get address of portion of entity's dispatch table containing
;   528     0525  4      ! the change routine addresses for the function (SET, CLEAR, DEFINE,
;   529     0526  4      ! or PURGE) specified by the NICE message.
;   530     0527  4      !
;   531     0528  4      IF .NML$GB_OPTIONS [NMA$V_OPT_PER] THEN
;   532     0529  5          BEGIN
;   533     0530  5          IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN
;   534     0531  5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_PURGE_ROUTINES]    ! PURGE
;   535     0532  5          ELSE
;   536     0533  5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_DEFINE_ROUTINES];  ! DEFINE
;   537     0534  5          END
;   538     0535  4      ELSE
;   539     0536  5          BEGIN
;   540     0537  5          IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN
;   541     0538  5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_CLEAR_ROUTINES]    ! CLEAR
;   542     0539  5          ELSE
;   543     0540  5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_SET_ROUTINES];     ! SET
;   544     0541  4          END;
;   545     0542  4      !
;   546     0543  4      ! Each function's portion of the entity's dispatch table contains
;   547     0544  4      ! the addresses of four change routines.  These routines do the
;   548     0545  4      ! following:
;   549     0546  4      !       - Change a single entity
;   550     0547  4      !       - Change a single entity with the specified qualifier.
;   551     0548  4      !       - Change known entities
;   552     0549  4      !       - Change known entities with the specified qualifier.
;   553     0550  4      !
;   554     0551  4      IF .NML$GB_ENTITY_FORMAT EQL NMA$C_ENT_KNO THEN
;   555     0552  5          BEGIN
;   556     0553  5          IF .NML$GL_PRS_FLGS [NML$V_PRS_QUALIFIER] THEN
;   557     0554  5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_KNOWN_W_QUAL]
;   558     0555  5          ELSE
;   559     0556  5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_KNOWN];
;   560     0557  5          END
;   561     0558  4      ELSE
;   562     0559  5          BEGIN
;   563     0560  5          IF .NML$GL_PRS_FLGS [NML$V_PRS_QUALIFIER] THEN
;   564     0561  5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_ENTITY_W_QUAL]
;   565     0562  5          ELSE
;   566     0563  5              CHANGE_TABLE_ADR = CHG$L_ENTITY];
;   567     0564  4          END;
;   568     0565  4      !
;   569     0566  4      ! The routine addresses are stored as offsets (to make NMLSHR PIC).
;   570     0567  4      ! Make the offset into a callable routine address.
;   571     0568  4      !
;   572     0569  4      IF .CHANGE_RTN NEQ 0 THEN
;   573     0570  5          BEGIN
;   574     0571  5          CHANGE_RTN = .CHANGE_RTN + .ENT_TAB;
;   575     0572  5          !
;   576     0573  5          ! Call change routine.
;   577     0574  5          !
;   578     0575  5          (.RTN_ADDR) (.NML$GL_NML_ENTITY,
```

```
;   579     0576  5                           .PARSE_TAB,
;   580     0577  5                           .CHANGE_RTN);
;   581     0578  5                   END
;   582     0579  4               ELSE
;   583     0580  4                   NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_FORMAT);
;   584     0581  4               END
;   585     0582  3           ELSE
;   586     0583  3               NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_FORMAT);
;   587     0584  3           END
;   588     0585  2       ELSE
;   589     0586  2           NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_FORMAT);
;   590     0587  1   END;                                  ! End of NML$CHANGE


                                                        .TITLE  NML$CHANGE NML Change parameters module
                                                        .IDENT  \V04-000\

                                                        .PSECT  $PLIT$,NOWRT,NOEXE,2

                                        00000000  00000 P.AAA:  .LONG   0                                                ;
                                        00000000  00004 P.AAB:  .LONG   0                                                ;
                                        00000000  00008 P.AAC:  .LONG   0                                                ;
                                        00000000  0000C P.AAD:  .LONG   0                                                ;
                                        00000000  00010 P.AAE:  .LONG   0                                                ;
                                        00000000  00014 P.AAF:  .LONG   0                                                ;

                                                        .PSECT  $OWN$,NOEXE,2

                                        00000000V 00000 LINE_TAB:
                                                        .LONG   <NML_CHANGE-LINE_TAB>                                   ;
                                        00000000* 00004         .LONG   <NML$NPA_SEDELIN-LINE_TAB>                      ;
                                        00000000* 00008         .LONG   <NML$NPA_CLPULIN-LINE_TAB>                      ;
                                        00000000* 0000C         .LONG   <NML$SETENTITY-LINE_TAB>                        ;
                                        00000000  00010         .LONG   0                                               ;
                                        00000000* 00014         .LONG   <NML$SETKNOWN-LINE_TAB>                         ;
                                        00000000  00018         .LONG   0                                               ;
                                        00000000* 0001C         .LONG   <NML$CLEARENTITY-LINE_TAB>                      ;
                                        00000000  00020         .LONG   0                                               ;
                                        00000000* 00024         .LONG   <NML$CLEARKNOWN-LINE_TAB>                       ;
                                        00000000  00028         .LONG   0                                               ;
                                        00000000* 0002C         .LONG   <NML$DEFENTITY-LINE_TAB>                        ;
                                        00000000  00030         .LONG   0                                               ;
                                        00000000* 00034         .LONG   <NML$DEFINEKNOWN-LINE_TAB>                      ;
                                        00000000  00038         .LONG   0                                               ;
                                        00000000* 0003C         .LONG   <NML$PURENTITY-LINE_TAB>                        ;
                                        00000000  00040         .LONG   0                                               ;
                                        00000000* 00044         .LONG   <NML$PURGEKNOWN-LINE_TAB>                       ;
                                        00000000  00048         .LONG   0                                               ;
                                                  0004C         .BLKB   4
                                        00000000V 00050 LOGGING_TAB:
                                                        .LONG   <NML_CHANGE_LOGGING-LOGGING_TAB>                        ;
                                        00000000* 00054         .LONG   <NML$NPA_SEDELOG-LOGGING_TAB>                   ;
                                        00000000* 00058         .LONG   <NML$NPA_CLPULOG-LOGGING_TAB>                   ;
                                        00000000* 0005C         .LONG   <NML$SETLOGGING-LOGGING_TAB>                    ;
                                        00000000  00060         .LONG   0                                               ;
                                        00000000* 00064         .LONG   <NML$SETKNOLOG-LOGGING_TAB>                     ;
                                        00000000  00068         .LONG   0                                               ;
```

```
                                00000000* 0006C           .LONG   <NML$CLEARLOGGING-LOGGING_TAB>          ;
                                00000000  00070           .LONG   0                                       ;
                                00000000* 00074           .LONG   <NML$CLEARKNOLOG-LOGGING_TAB>           ;
                                00000000  00078           .LONG   0                                       ;
                                00000000* 0007C           .LONG   <NML$DEFLOGGING-LOGGING_TAB>            ;
                                00000000  00080           .LONG   0                                       ;
                                00000000* 00084           .LONG   <NML$DEFKNOWNLOG-LOGGING_TAB>           ;
                                00000000  00088           .LONG   0                                       ;
                                00000000* 0008C           .LONG   <NML$PURLOGGING-LOGGING_TAB>            ;
                                00000000  00090           .LONG   0                                       ;
                                00000000* 00094           .LONG   <NML$PURGEKNOWN-LOGGING_TAB>            ;
                                00000000  00098           .LONG   0                                       ;
                                          0009C           .BLKB   4
                                00000000V 000A0 NODE_TAB:
                                                          .LONG   <NML_CHANGE_NODE-NODE_TAB>              ;
                                00000000* 000A4           .LONG   <NML$NPA_SEDENOD-NODE_TAB>              ;
                                00000000* 000A8           .LONG   <NML$NPA_CLPUNOD-NODE_TAB>              ;
                                00000000* 000AC           .LONG   <NML$SETENTITY-NODE_TAB>                ;
                                00000000  000B0           .LONG   0                                       ;
                                00000000* 000B4           .LONG   <NML$SETKNONODES-NODE_TAB>              ;
                                00000000  000B8           .LONG   0                                       ;
                                00000000* 000BC           .LONG   <NML$CLEARENTITY-NODE_TAB>              ;
                                00000000  000C0           .LONG   0                                       ;
                                00000000* 000C4           .LONG   <NML$CLEARKNONODES-NODE_TAB>            ;
                                00000000  000C8           .LONG   0                                       ;
                                00000000* 000CC           .LONG   <NML$DEFINE_NODE-NODE_TAB>              ;
                                00000000  000D0           .LONG   0                                       ;
                                00000000* 000D4           .LONG   <NML$DEFINE_KNOWN_NODES-NODE_TAB>       ;
                                00000000  000D8           .LONG   0                                       ;
                                00000000* 000DC           .LONG   <NML$PURENTITY-NODE_TAB>                ;
                                00000000  000E0           .LONG   0                                       ;
                                00000000* 000E4           .LONG   <NML$PURGE_KNOWN_NODES-NODE_TAB>        ;
                                00000000  000E8           .LONG   0                                       ;
                                          000EC           .BLKB   4
                                00000000V 000F0 NODEBYNAME_TAB:
                                                          .LONG   <NML_CHANGE_NODE-NODEBYNAME_TAB>        ;
                                00000000* 000F4           .LONG   <NML$NPA_SEDENOD-NODEBYNAME_TAB>        ;
                                00000000* 000F8           .LONG   <NML$NPA_CLPUNOD-NODEBYNAME_TAB>        ;
                                00000000* 000FC           .LONG   <NML$SETENTITY-NODEBYNAME_TAB>          ;
                                00000000  00100           .LONG   0                                       ;
                                00000000* 00104           .LONG   <NML$SETKNONODES-NODEBYNAME_TAB>        ;
                                00000000  00108           .LONG   0                                       ;
                                00000000* 0010C           .LONG   <NML$CLEARENTITY-NODEBYNAME_TAB>        ;
                                00000000  00110           .LONG   0                                       ;
                                00000000* 00114           .LONG   <NML$CLEARKNONODES-NODEBYNAME_TAB>      ;
                                00000000  00118           .LONG   0                                       ;
                                00000000* 0011C           .LONG   <NML$DEFINE_NODE-NODEBYNAME_TAB>        ;
                                00000000  00120           .LONG   0                                       ;
                                00000000* 00124           .LONG   <NML$DEFINE_KNOWN_NODES-NODEBYNAME_TAB> ;
                                00000000  00128           .LONG   0                                       ;
                                00000000* 0012C           .LONG   <NML$PURENTITY-NODEBYNAME_TAB>          ;
                                00000000  00130           .LONG   0                                       ;
                                00000000* 00134           .LONG   <NML$PURGE_KNOWN_NODES-NODEBYNAME_TAB>  ;
                                00000000  00138           .LONG   0                                       ;
                                          0013C           .BLKB   4
                                00000000V 00140 EXECUTOR_TAB:
                                                          .LONG   <NML_CHANGE_EXECUTOR-EXECUTOR_TAB>      ;
```

```
                                00000000* 00144          .LONG   <NML$NPA_SEDEEXE-EXECUTOR_TAB>
                                00000000* 00148          .LONG   <NML$NPA_CLPUEXE-EXECUTOR_TAB>
                                00000000* 0014C          .LONG   <NML$SETEXECUTOR-EXECUTOR_TAB>
                                00000000  00150          .LONG   0
                                00000000  00154          .LONG   0
                                00000000  00158          .LONG   0
                                00000000* 0015C          .LONG   <NML$CLEAREXECUTOR-EXECUTOR_TAB>
                                00000000  00160          .LONG   0
                                00000000  00164          .LONG   0
                                00000000  00168          .LONG   0
                                00000000* 0016C          .LONG   <NML$DEFINE_NODE-EXECUTOR_TAB>
                                00000000  00170          .LONG   0
                                00000000  00174          .LONG   0
                                00000000  00178          .LONG   0
                                00000000* 0017C          .LONG   <NML$PURENTITY-EXECUTOR_TAB>
                                00000000  00180          .LONG   0
                                00000000  00184          .LONG   0
                                00000000  00188          .LONG   0
                                          0018C          .BLKB   4
                                00000000V 00190 OBJECT_TAB:
                                                         .LONG   <NML_CHANGE-OBJECT_TAB>
                                00000000* 00194          .LONG   <NML$NPA_SEDEOBJ-OBJECT_TAB>
                                00000000* 00198          .LONG   <NML$NPA_CLPUOBJ-OBJECT_TAB>
                                00000000* 0019C          .LONG   <NML$SETENTITY-OBJECT_TAB>
                                00000000  001A0          .LONG   0
                                00000000* 001A4          .LONG   <NML$SETKNOWN-OBJECT_TAB>
                                00000000  001A8          .LONG   0
                                00000000* 001AC          .LONG   <NML$CLEARENTITY-OBJECT_TAB>
                                00000000  001B0          .LONG   0
                                00000000* 001B4          .LONG   <NML$CLEARKNOWN-OBJECT_TAB>
                                00000000  001B8          .LONG   0
                                00000000* 001BC          .LONG   <NML$DEFENTITY-OBJECT_TAB>
                                00000000  001C0          .LONG   0
                                00000000* 001C4          .LONG   <NML$DEFINEKNOWN-OBJECT_TAB>
                                00000000  001C8          .LONG   0
                                00000000* 001CC          .LONG   <NML$PURENTITY-OBJECT_TAB>
                                00000000  001D0          .LONG   0
                                00000000* 001D4          .LONG   <NML$PURGEKNOWN-OBJECT_TAB>
                                00000000  001D8          .LONG   0
                                          001DC          .BLKB   4
                                00000000V 001E0 CIRCUIT_TAB:
                                                         .LONG   <NML_CHANGE-CIRCUIT_TAB>
                                00000000* 001E4          .LONG   <NML$NPA_SEDECIR-CIRCUIT_TAB>
                                00000000* 001E8          .LONG   <NML$NPA_CLPUCIR-CIRCUIT_TAB>
                                00000000* 001EC          .LONG   <NML$SETENTITY-CIRCUIT_TAB>
                                00000000  001F0          .LONG   0
                                00000000* 001F4          .LONG   <NML$SETKNOWN-CIRCUIT_TAB>
                                00000000  001F8          .LONG   0
                                00000000* 001FC          .LONG   <NML$CLEARENTITY-CIRCUIT_TAB>
                                00000000  00200          .LONG   0
                                00000000* 00204          .LONG   <NML$CLEARKNOWN-CIRCUIT_TAB>
                                00000000  00208          .LONG   0
                                00000000* 0020C          .LONG   <NML$DEFENTITY-CIRCUIT_TAB>
                                00000000  00210          .LONG   0
                                00000000* 00214          .LONG   <NML$DEFINEKNOWN-CIRCUIT_TAB>
                                00000000  00218          .LONG   0
                                00000000* 0021C          .LONG   <NML$PURENTITY-CIRCUIT_TAB>
```

```
                                00000000  00220          .LONG   0                                                       ;
                                00000000* 00224          .LONG   <NML$PURGEKNOWN-CIRCUIT_TAB>                            ;
                                00000000  00228          .LONG   0                                                       ;
                                          0022C          .BLKB   4
                                00000000V 00230 ACCESS_TAB:
                                                         .LONG   <NML_CHANGE_NETWORK-ACCESS_TAB>                         ;
                                00000000* 00234          .LONG   <NML$NPA_SEDE_X25_ACCESS-ACCESS_TAB>                    ;
                                00000000* 00238          .LONG   <NML$NPA_CLPU_X25_ACCESS-ACCESS_TAB>                    ;
                                00000000* 0023C          .LONG   <NML$SETENTITY-ACCESS_TAB>                              ;
                                00000000  00240          .LONG   0                                                       ;
                                00000000* 00244          .LONG   <NML$SETKNOWN-ACCESS_TAB>                               ;
                                00000000  00248          .LONG   0                                                       ;
                                00000000* 0024C          .LONG   <NML$CLEARENTITY-ACCESS_TAB>                            ;
                                00000000  00250          .LONG   0                                                       ;
                                00000000* 00254          .LONG   <NML$CLEARKNOWN-ACCESS_TAB>                             ;
                                00000000  00258          .LONG   0                                                       ;
                                00000000* 0025C          .LONG   <NML$DEFENTITY-ACCESS_TAB>                              ;
                                00000000  00260          .LONG   0                                                       ;
                                00000000* 00264          .LONG   <NML$DEFINEKNOWN-ACCESS_TAB>                            ;
                                00000000  00268          .LONG   0                                                       ;
                                00000000* 0026C          .LONG   <NML$PURENTITY-ACCESS_TAB>                              ;
                                00000000  00270          .LONG   0                                                       ;
                                00000000* 00274          .LONG   <NML$PURGEKNOWN-ACCESS_TAB>                             ;
                                00000000  00278          .LONG   0                                                       ;
                                          0027C          .BLKB   4
                                00000000V 00280 PROT_NET_TAB:
                                                         .LONG   <NML_CHANGE_NETWORK-PROT_NET_TAB>                       ;
                                00000000* 00284          .LONG   <NML$NPA_SEDE_PROT_NET-PROT_NET_TAB>                    ;
                                00000000* 00288          .LONG   <NML$NPA_CLPU_PROT_NET-PROT_NET_TAB>                    ;
                                00000000* 0028C          .LONG   <NML$SETENTITY-PROT_NET_TAB>                            ;
                                00000000  00290          .LONG   0                                                       ;
                                00000000  00294          .LONG   0                                                       ;
                                00000000  00298          .LONG   0                                                       ;
                                00000000* 0029C          .LONG   <NML$CLEARENTITY-PROT_NET_TAB>                          ;
                                00000000  002A0          .LONG   0                                                       ;
                                00000000  002A4          .LONG   0                                                       ;
                                00000000  002A8          .LONG   0                                                       ;
                                00000000* 002AC          .LONG   <NML$DEFENTITY-PROT_NET_TAB>                            ;
                                00000000  002B0          .LONG   0                                                       ;
                                00000000  002B4          .LONG   0                                                       ;
                                00000000  002B8          .LONG   0                                                       ;
                                00000000* 002BC          .LONG   <NML$PURENTITY-PROT_NET_TAB>                            ;
                                00000000  002C0          .LONG   0                                                       ;
                                00000000  002C4          .LONG   0                                                       ;
                                00000000  002C8          .LONG   0                                                       ;
                                          002CC          .BLKB   4
                                00000000V 002D0 PROT_DTE_TAB:
                                                         .LONG   <NML_CHANGE-PROT_DTE_TAB>                               ;
                                00000000* 002D4          .LONG   <NML$NPA_SEDE_PROT_DTE-PROT_DTE_TAB>                    ;
                                00000000* 002D8          .LONG   <NML$NPA_CLPU_PROT_DTE-PROT_DTE_TAB>                    ;
                                00000000* 002DC          .LONG   <NML$SETENTITY-PROT_DTE_TAB>                            ;
                                00000000  002E0          .LONG   0                                                       ;
                                00000000* 002E4          .LONG   <NML$SETKNOWN-PROT_DTE_TAB>                             ;
                                00000000  002E8          .LONG   0                                                       ;
                                00000000* 002EC          .LONG   <NML$CLEARENTITY-PROT_DTE_TAB>                          ;
                                00000000  002F0          .LONG   0                                                       ;
                                00000000* 002F4          .LONG   <NML$CLEARKNOWN-PROT_DTE_TAB>                           ;
```

```
                                00000000  002F8          .LONG   0                                                       ;
                                00000000* 002FC          .LONG   <NML$DEFENTITY-PROT_DTE_TAB>                            ;
                                00000000  00300          .LONG   0                                                       ;
                                00000000* 00304          .LONG   <NML$DEFINEKNOWN-PROT_DTE_TAB>                          ;
                                00000000  00308          .LONG   0                                                       ;
                                00000000* 0030C          .LONG   <NML$PURENTITY-PROT_DTE_TAB>                            ;
                                00000000  00310          .LONG   0                                                       ;
                                00000000* 00314          .LONG   <NML$PURGEKNOWN-PROT_DTE_TAB>                           ;
                                00000000  00318          .LONG   0                                                       ;
                                          0031C          .BLKB   4
                                00000000V 00320 PROT_GRP_TAB:
                                                         .LONG   <NML_CHANGE-PROT_GRP_TAB>
                                00000000* 00324          .LONG   <NML$NPA_SEDE_PROT_GRP-PROT_GRP_TAB>                    ;
                                00000000* 00328          .LONG   <NML$NPA_CLPU_PROT_GRP-PROT_GRP_TAB>                    ;
                                00000000* 0032C          .LONG   <NML$SETKNOWN-PROT_GRP_TAB>                             ;
                                00000000* 00330          .LONG   <NML$SETENTITY-PROT_GRP_TAB>                            ;
                                00000000* 00334          .LONG   <NML$SETKNOWN-PROT_GRP_TAB>                             ;
                                00000000  00338          .LONG   0                                                       ;
                                00000000* 0033C          .LONG   <NML$CLEARENTITY-PROT_GRP_TAB>                          ;
                                00000000* 00340          .LONG   <NML$CLEARENTITY-PROT_GRP_TAB>                          ;
                                00000000* 00344          .LONG   <NML$CLEARKNOWN-PROT_GRP_TAB>                           ;
                                00000000  00348          .LONG   0                                                       ;
                                00000000  0034C          .LONG   0                                                       ;
                                00000000* 00350          .LONG   <NML$DEFENTITY-PROT_GRP_TAB>                            ;
                                00000000  00354          .LONG   0                                                       ;
                                00000000  00358          .LONG   0                                                       ;
                                00000000* 0035C          .LONG   <NML$PURGEKNOWN-PROT_GRP_TAB>                           ;
                                00000000* 00360          .LONG   <NML$PURENTITY-PROT_GRP_TAB>                            ;
                                00000000* 00364          .LONG   <NML$PURGEKNOWN-PROT_GRP_TAB>                           ;
                                00000000  00368          .LONG   0                                                       ;
                                          0036C          .BLKB   4
                                00000000V 00370 X25_SERV_TAB:
                                                         .LONG   <NML_CHANGE-X25_SERV_TAB>
                                00000000* 00374          .LONG   <NML$NPA_SEDE_X25_SERV-X25_SERV_TAB>                    ;
                                00000000* 00378          .LONG   <NML$NPA_CLPU_X25_SERV-X25_SERV_TAB>                    ;
                                00000000* 0037C          .LONG   <NML$SETENTITY-X25_SERV_TAB>                            ;
                                00000000  00380          .LONG   0                                                       ;
                                00000000  00384          .LONG   0                                                       ;
                                00000000  00388          .LONG   0                                                       ;
                                00000000* 0038C          .LONG   <NML$CLEARENTITY-X25_SERV_TAB>                          ;
                                00000000  00390          .LONG   0                                                       ;
                                00000000  00394          .LONG   0                                                       ;
                                00000000  00398          .LONG   0                                                       ;
                                00000000* 0039C          .LONG   <NML$DEFENTITY-X25_SERV_TAB>                            ;
                                00000000  003A0          .LONG   0                                                       ;
                                00000000  003A4          .LONG   0                                                       ;
                                00000000  003A8          .LONG   0                                                       ;
                                00000000* 003AC          .LONG   <NML$PURENTITY-X25_SERV_TAB>                            ;
                                00000000  003B0          .LONG   0                                                       ;
                                00000000  003B4          .LONG   0                                                       ;
                                00000000  003B8          .LONG   0                                                       ;
                                          003BC          .BLKB   4
                                00000000V 003C0 X25_SERV_DEST_TAB:
                                                         .LONG   <NML_CHANGE-X25_SERV_DEST_TAB>
                                00000000* 003C4          .LONG   <NML$NPA_SEDE_X25_SERV_DEST--                           ;
                                                                 X25_SERV_DEST_TAB>
                                00000000* 003C8          .LONG   <NML$NPA_CLPU_X25_SERV_DEST--                           ;
```

```
                                                        X25_SERV_DEST_TAB>                                      ;
00000000* 003CC                .LONG   <NML$SETENTITY-X25_SERV_DEST_TAB>                                       ;
00000000  003D0                .LONG   0                                                                       ;
00000000* 003D4                .LONG   <NML$SETKNOWN-X25_SERV_DEST_TAB>                                        ;
00000000  003D8                .LONG   0                                                                       ;
00000000* 003DC                .LONG   <NML$CLEARENTITY-X25_SERV_DEST_TAB>                                     ;
00000000  003E0                .LONG   0                                                                       ;
00000000* 003E4                .LONG   <NML$CLEARKNOWN-X25_SERV_DEST_TAB>                                      ;
00000000  003E8                .LONG   0                                                                       ;
00000000* 003EC                .LONG   <NML$DEFENTITY-X25_SERV_DEST_TAB>                                       ;
00000000  003F0                .LONG   0                                                                       ;
00000000* 003F4                .LONG   <NML$DEFINEKNOWN-X25_SERV_DEST_TAB>                                     ;
00000000  003F8                .LONG   0                                                                       ;
00000000* 003FC                .LONG   <NML$PURENTITY-X25_SERV_DEST_TAB>                                       ;
00000C00  00400                .LONG   0                                                                       ;
00000000* 00404                .LONG   <NML$PURGEKNOWN-X25_SERV_DEST_TAB>                                      ;
00000000  00408                .LONG   0                                                                       ;
          0040C                .BLKB   4                                                                       ;
00000000V 00410 TRACE_TAB:
                               .LONG   <NML_CHANGE-TRACE_TAB>
00000000* 00414                .LONG   <NML$NPA_SEDE_TRACE-TRACE_TAB>                                          ;
00000000* 00418                .LONG   <NML$NPA_CLPU_TRACE-TRACE_TAB>                                          ;
00000000* 0041C                .LONG   <NML$SETENTITY-TRACE_TAB>                                               ;
00000000  00420                .LONG   0                                                                       ;
00000000  00424                .LONG   0                                                                       ;
00000000  00428                .LONG   0                                                                       ;
00000000* 0042C                .LONG   <NML$CLEARENTITY-TRACE_TAB>                                             ;
00000000  00430                .LONG   0                                                                       ;
00000000  00434                .LONG   0                                                                       ;
00000000  00438                .LONG   0                                                                       ;
00000000* 0043C                .LONG   <NML$DEFENTITY-TRACE_TAB>                                               ;
00000000  00440                .LONG   0                                                                       ;
00000000  00444                .LONG   0                                                                       ;
00000000  00448                .LONG   0                                                                       ;
00000000* 0044C                .LONG   <NML$PURENTITY-TRACE_TAB>                                               ;
00000000  00450                .LONG   0                                                                       ;
00000000  00454                .LONG   0                                                                       ;
00000000  00458                .LONG   0                                                                       ;
          0045C                .BLKB   4                                                                       ;
00000000V 00460 TRACEPNT_TAB:
                               .LONG   <NML_CHANGE-TRACEPNT_TAB>                                               ;
00000000* 00464                .LONG   <NML$NPA_SEDE_TRACEPOINT-TRACEPNT_TAB>                                  ;
00000000* 00468                .LONG   <NML$NPA_CLPU_TRACEPOINT-TRACEPNT_TAB>                                  ;
00000000* 0046C                .LONG   <NML$SETENTITY-TRACEPNT_TAB>                                            ;
00000000  00470                .LONG   0                                                                       ;
00000000* 00474                .LONG   <NML$SETKNOWN-TRACEPNT_TAB>                                             ;
00000000  00478                .LONG   0                                                                       ;
00000000* 0047C                .LONG   <NML$CLEARENTITY-TRACEPNT_TAB>                                          ;
00000000  00480                .LONG   0                                                                       ;
00000000* 00484                .LONG   <NML$CLEARKNOWN-TRACEPNT_TAB>                                           ;
00000000  00488                .LONG   0                                                                       ;
00000000* 0048C                .LONG   <NML$DEFENTITY-TRACEPNT_TAB>                                            ;
00000000  00490                .LONG   0                                                                       ;
00000000* 00494                .LONG   <NML$DEFINEKNOWN-TRACEPNT_TAB>                                          ;
00000000  00498                .LONG   0                                                                       ;
00000000* 0049C                .LONG   <NML$PURENTITY-TRACEPNT_TAB>                                            ;
00000000  004A0                .LONG   0                                                                       ;
```

```
                                00000000* 004A4          .LONG   <NML$PURGEKNOWN-TRACEPNT_TAB>
                                00000000  004A8          .LONG   0
                                          004AC          .BLKB   4
                                00000000V 004B0 X29_SERV_TAB:
                                                         .LONG   <NML_CHANGE-X29_SERV_TAB>
                                00000000* 004B4          .LONG   <NML$NPA_SEDE_X29_SERV-X29_SERV_TAB>
                                00000000* 004B8          .LONG   <NML$NPA_CLPU_X29_SERV-X29_SERV_TAB>
                                00000000* 004BC          .LONG   <NML$SETENTITY-X29_SERV_TAB>
                                00000000  004C0          .LONG   0
                                00000000  004C4          .LONG   0
                                00000000  004C8          .LONG   0
                                00000000* 004CC          .LONG   <NML$CLEARENTITY-X29_SERV_TAB>
                                00000000  004D0          .LONG   0
                                00000000  004D4          .LONG   0
                                00000000  004D8          .LONG   0
                                00000000* 004DC          .LONG   <NML$DEFENTITY-X29_SERV_TAB>
                                00000000  004E0          .LONG   0
                                00000000  004E4          .LONG   0
                                00000000  004E8          .LONG   0
                                00000000* 004EC          .LONG   <NML$PURENTITY-X29_SERV_TAB>
                                00000000  004F0          .LONG   0
                                00000000  004F4          .LONG   0
                                00000000  004F8          .LONG   0
                                          004FC          .BLKB   4
                                00000000V 00500 X29_SERV_DEST_TAB:
                                                         .LONG   <NML_CHANGE-X29_SERV_DEST_TAB>
                                00000000* 00504          .LONG   <NML$NPA_SEDE_X29_SERV_DEST--
                                                                 X29_SERV_DEST_TAB>
                                00000000* 00508          .LONG   <NML$NPA_CLPU_X29_SERV_DEST--
                                                                 X29_SERV_DEST_TAB>
                                00000000* 0050C          .LONG   <NML$SETENTITY-X29_SERV_DEST_TAB>
                                00000000  00510          .LONG   0
                                00000000* 00514          .LONG   <NML$SETKNOWN-X29_SERV_DEST_TAB>
                                00000000  00518          .LONG   0
                                00000000* 0051C          .LONG   <NML$CLEARENTITY-X29_SERV_DEST_TAB>
                                00000000  00520          .LONG   0
                                00000000* 00524          .LONG   <NML$CLEARKNOWN-X29_SERV_DEST_TAB>
                                00000000  00528          .LONG   0
                                00000000* 0052C          .LONG   <NML$DEFENTITY-X29_SERV_DEST_TAB>
                                00000000  00530          .LONG   0
                                00000000* 00534          .LONG   <NML$DEFINEKNOWN-X29_SERV_DEST_TAB>
                                00000000  00538          .LONG   0
                                00000000* 0053C          .LONG   <NML$PURENTITY-X29_SERV_DEST_TAB>
                                00000000  00540          .LONG   0
                                00000000* 00544          .LONG   <NML$PURGEKNOWN-X29_SERV_DEST_TAB>
                                00000000  00548          .LONG   0
                                          0054C          .BLKB   4
                                00000000V 00550 NI_CONFIG_TAB:
                                                         .LONG   <NML_CHANGE-NI_CONFIG_TAB>
                                00000000* 00554          .LONG   <NML$NPA_SEDE_NI_CONFIG-NI_CONFIG_TAB>
                                00000000* 00558          .LONG   <NML$NPA_CLPU_NI_CONFIG-NI_CONFIG_TAB>
                                00000000* 0055C          .LONG   <NML$SET_NI_CONFIG-NI_CONFIG_TAB>
                                00000000  00560          .LONG   0
                                00000000* 00564          .LONG   <NML$SET_NI_CONFIG-NI_CONFIG_TAB>
                                00000000  00568          .LONG   0
                                00000000* 0056C          .LONG   <NML$CALL_NI_CONFIG-NI_CONFIG_TAB>
                                00000000  00570          .LONG   0
```

```
                                00000000* 00574          .LONG   <NML$CALL_NI_CONFIG-NI_CONFIG_TAB>      ;
                                00000000  00578          .LONG   0                                       ;
                                00000000* 0057C          .LONG   <NML$DEFENTITY-NI_CONFIG_TAB>           ;
                                00000000  00580          .LONG   0                                       ;
                                00000000* 00584          .LONG   <NML$DEFINEKNOWN-NI_CONFIG_TAB>         ;
                                00000000  00588          .LONG   0                                       ;
                                00000000* 0058C          .LONG   <NML$PURENTITY-NI_CONFIG_TAB>           ;
                                00000000  00590          .LONG   0                                       ;
                                00000000* 00594          .LONG   <NML$PURGEKNOWN-NI_CONFIG_TAB>          ;
                                00000000  00598          .LONG   0                                       ;
                                          0059C          .BLKB   4
                                00000000V 005A0 LINK_TAB:
                                                         .LONG   <NML_DISCONNECT_LINKS-LINK_TAB>         ;
                                00000000  005A4          .LONG   0                                       ;
                                00000000  005A8          .LONG   0                                       ;
                                00000000  005AC          .LONG   0                                       ;
                                00000000  005B0          .LONG   0                                       ;
                                00000000  005B4          .LONG   0                                       ;
                                00000000  005B8          .LONG   0                                       ;
                                00000000* 005BC          .LONG   <NML$DISCONNECT-LINK_TAB>               ;
                                00000000* 005C0          .LONG   <NML$DISCONNECT-LINK_TAB>               ;
                                00000000* 005C4          .LONG   <NML$DISCKNOWN-LINK_TAB>                ;
                                00000000* 005C8          .LONG   <NML$DISCKNOWN-LINK_TAB>                ;
                                00000000  005CC          .LONG   0                                       ;
                                00000000  005D0          .LONG   0                                       ;
                                00000000  005D4          .LONG   0                                       ;
                                00000000  005D8          .LONG   0                                       ;
                                00000000  005DC          .LONG   0                                       ;
                                00000000  005E0          .LONG   0                                       ;
                                00000000  005E4          .LONG   0                                       ;
                                00000000  005E8          .LONG   0                                       ;
                                          005EC          .BLKB   4
                                00000000* 005F0 TABLE_TAB:
                                                         .LONG   <LINE_TAB-TABLE_TAB>                    ;
                                00000000* 005F4          .LONG   <LOGGING_TAB-TABLE_TAB>                 ;
                                00000000* 005F8          .LONG   <SINK_TAB-TABLE_TAB>                    ;
                                00000000* 005FC          .LONG   <NODE_TAB-TABLE_TAB>                    ;
                                00000000* 00600          .LONG   <NODEBYNAME_TAB-TABLE_TAB>              ;
                                00000000* 00604          .LONG   <LOOPNODE_TAB-TABLE_TAB>                ;
                                00000000* 00608          .LONG   <ADJACENT_NODE_TAB-TABLE_TAB>           ;
                                00000000* 0060C          .LONG   <EXECUTOR_TAB-TABLE_TAB>                ;
                                00000000* 00610          .LONG   <OBJECT_TAB-TABLE_TAB>                  ;
                                00000000* 00614          .LONG   <CIRCUIT_TAB-TABLE_TAB>                 ;
                                00000000* 00618          .LONG   <CIRCUIT_ADJACENT_TAB-TABLE_TAB>        ;
                                00000000* 0061C          .LONG   <CIRCUIT_ADJ_SRC_TAB-TABLE_TAB>         ;
                                00000000* 00620          .LONG   <AREA_TAB-TABLE_TAB>                    ;
                                00000000* 00624          .LONG   <ACCESS_TAB-TABLE_TAB>                  ;
                                00000000* 00628          .LONG   <PROT_NET_TAB-TABLE_TAB>                ;
                                00000000* 0062C          .LONG   <PROT_DTE_TAB-TABLE_TAB>                ;
                                00000000* 00630          .LONG   <PROT_GRP_TAB-TABLE_TAB>                ;
                                00000000* 00634          .LONG   <X25_SERV_TAB-TABLE_TAB>                ;
                                00000000* 00638          .LONG   <X25_SERV_DEST_TAB-TABLE_TAB>           ;
                                00000000* 0063C          .LONG   <TRACE_TAB-TABLE_TAB>                   ;
                                00000000* 00640          .LONG   <TRACEPNT_TAB-TABLE_TAB>                ;
                                00000000* 00644          .LONG   <X29_SERV_TAB-TABLE_TAB>                ;
                                00000000* 00648          .LONG   <X29_SERV_DEST_TAB-TABLE_TAB>           ;
                                00000000* 0064C          .LONG   <NI_CONFIG_TAB-TABLE_TAB>               ;
```

```
                00000000* 00650          .LONG   <LINK_TAB-TABLE_TAB>                    ;
                          00654          .BLKB   4

                                SINK_TAB=           P.AAA
                                LOOPNODE_TAB=       P.AAB
                                ADJACENT_NODE_TAB=  P.AAC
                                CIRCUIT_ADJACENT_TAB=
                                                    P.AAD
                                CIRCUIT_ADJ_SRC_TAB=P.AAE
                                AREA_TAB=           P.AAF
                                        .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$GW_PRMDESCNT
                                        .EXTRN  NML$AB_NPA_BLK, NML$NPA_CLPUCIR
                                        .EXTRN  NML$NPA_CLPULIN
                                        .EXTRN  NML$NPA_CLPULNK
                                        .EXTRN  NML$NPA_CLPULOG
                                        .EXTRN  NML$NPA_CLPUNOD
                                        .EXTRN  NML$NPA_CLPUEXE
                                        .EXTRN  NML$NPA_CLPUOBJ
                                        .EXTRN  NML$NPA_SEDECIR
                                        .EXTRN  NML$NPA_SEDELIN
```

```
                                .EXTRN  NML$NPA_SEDELOG
                                .EXTRN  NML$NPA_SEDENOD
                                .EXTRN  NML$NPA_SEDEEXE
                                .EXTRN  NML$NPA_SEDE_X25_ACCESS
                                .EXTRN  NML$NPA_SEDE_PROT_NET
                                .EXTRN  NML$NPA_SEDE_PROT_DTE
                                .EXTRN  NML$NPA_SEDE_PROT_GRP
                                .EXTRN  NML$NPA_SEDE_X25_SERV
                                .EXTRN  NML$NPA_SEDE_X25_SERV_DEST
                                .EXTRN  NML$NPA_SEDE_TRACE
                                .EXTRN  NML$NPA_SEDE_TRACEPOINT
                                .EXTRN  NML$NPA_SEDE_X29_SERV
                                .EXTRN  NML$NPA_SEDE_X29_SERV_DEST
                                .EXTRN  NML$NPA_SEDE_NI_CONFIG
                                .EXTRN  NML$NPA_CLPU_X25_ACCESS
                                .EXTRN  NML$NPA_CLPU_PROT_NET
                                .EXTRN  NML$NPA_CLPU_PROT_DTE
                                .EXTRN  NML$NPA_CLPU_PROT_GRP
                                .EXTRN  NML$NPA_CLPU_X25_SERV
                                .EXTRN  NML$NPA_CLPU_X25_SERV_DEST
                                .EXTRN  NML$NPA_CLPU_TRACE
                                .EXTRN  NML$NPA_CLPU_TRACEPOINT
                                .EXTRN  NML$NPA_CLPU_X29_SERV
                                .EXTRN  NML$NPA_CLPU_X29_SERV_DEST
                                .EXTRN  NML$NPA_CLPU_NI_CONFIG
                                .EXTRN  NML$NPA_SEDEOBJ
                                .EXTRN  LIB$ESTABLISH, LIB$REVERT
                                .EXTRN  NMA$NPARSE, NML$BLD_REPLY
                                .EXTRN  NML$CALL_NI_CONFIG
                                .EXTRN  NML$CLEARENTITY
                                .EXTRN  NML$CLEAREXECUTOR
                                .EXTRN  NML$CLEARKNOLOG
                                .EXTRN  NML$CLEARKNONODES
                                .EXTRN  NML$CLEARKNOWN, NML$CLEARLOGGING
                                .EXTRN  NML$DEFENTITY, NML$DEFINE_NODE
                                .EXTRN  NML$DEFINEKNOWN
                                .EXTRN  NML$DEFINE_KNOWN_NODES
                                .EXTRN  NML$DEFKNOWNLOG
                                .EXTRN  NML$DEFLOGGING, NML$DISCKNOWN
                                .EXTRN  NML$DISCONNECT, NML$ERROR_1
                                .EXTRN  NML$ERROR_2, NML$MAINHANDLER
                                .EXTRN  NML$OPENFILE, NML$PURENTITY
                                .EXTRN  NML$PURGE_KNOWN_NODES
                                .EXTRN  NML$PURGEKNOWN, NML$PURLOGGING
                                .EXTRN  NML$SEND, NML$SETENTITY
                                .EXTRN  NML$SETEXECUTOR
                                .EXTRN  NML$SETKNOLOG, NML$SETKNONODES
                                .EXTRN  NML$SETKNOWN, NML$SETLINE
                                .EXTRN  NML$SETLOGGING, NML$SET_NI_CONFIG

                                .PSECT  $CODE$,NOWRT,2

                        01FC 00000      .ENTRY  NML$CHANGE, Save R2,R3,R4,R5,R6,R7,R8       ; 0463
58 00000000G   00   9E 00002    MOVAB   NML$GB_OPTIONS, R8                                  ;
57 00000000'   00   9E 00009    MOVAB   TABLE_TAB, R7                                       ;
53 00000000G   00   D0 00010    MOVL    NML$GL_NML_ENTITY, R3                               ; 0504
50             67   9E 00017    MOVAB   TABLE_TAB, R0                                       ;
```

```
                 51              50              6743   C1 0001A          ADDL3   TABLE_TAB[R3], R0, ENT_TAB                  ;
                                 55 00000000G     00   98 0001F          CVTBL   NML$GB_ENTITY_FORMAT, R5                    ; 0551
                                                  51   D5 00026          TSTL    ENT_TAB                                     ; 0505
                                                  77   13 00028          BEQL    11$                                         ;
                 56              61               51   C1 0002A          ADDL3   ENT_TAB, (ENT_TAB), RTN_ADDR              ; 0507
                 51                               56   D1 0002E          CMPL    RTN_ADDR, ENT_TAB                           ; 0513
                                                  6E   13 00031          BEQL    11$                                         ;
      50         68              01               06   EF 00033          EXTZV   #6, #1, NML$GB_OPTIONS, R0                  ; 0518
                                 07               50   E9 00038          BLBC    R0, 1$                                      ;
                 54              51         08    A1   C1 0003B          ADDL3   8(ENT_TAB), ENT_TAB, PARSE_TAB              ; 0519
                                                  05   11 00040          BRB     2$                                          ;
                 54              51         04    A1   C1 00042 1$:      ADDL3   4(ENT_TAB), ENT_TAB, PARSE_TAB              ; 0521
                                                  68   95 00047 2$:      TSTB    NML$GB_OPTIONS                              ; 0528
                                                  0F   18 00049          BGEQ    4$                                          ;
                                 06               50   E9 0004B          BLBC    R0, 3$                                      ; 0530
                                 50         3C    A1   9E 0004E          MOVAB   60(R1), CHANGE_TABLE_ADR                    ; 0531
                                                  13   11 00052          BRB     6$                                          ;
                                 50         2C    A1   9E 00054 3$:      MOVAB   44(R1), CHANGE_TABLE_ADR                    ; 0533
                                                  0D   11 00058          BRB     6$                                          ; 0528
                                 06               50   E9 0005A 4$:      BLBC    R0, 5$                                      ; 0537
                                 50         1C    A1   9E 0005D          MOVAB   28(R1), CHANGE_TABLE_ADR                    ; 0538
                                                  04   11 00061          BRB     6$                                          ;
                                 50         0C    A1   9E 00063 5$:      MOVAB   12(R1), CHANGE_TABLE_ADR                    ; 0540
      52 00000000G   00          01               02   EF 00067 6$:      EXTZV   #2, #1, NML$GL_PRS_FLGS, R2                 ; 0553
                        FFFFFFFF 8F               55   D1 00070          CMPL    R5, #-1                                     ; 0551
                                                  0F   12 00077          BNEQ    8$                                          ;
                                 06               52   E9 00079          BLBC    R2, 7$                                      ; 0553
                                 52         0C    A0   D0 0007C          MOVL    12(CHANGE_TABLE_ADR), CHANGE_RTN            ; 0554
                                                  12   11 00080          BRB     10$                                         ;
                                 52         08    A0   D0 00082 7$:      MOVL    8(CHANGE_TABLE_ADR), CHANGE_RTN             ; 0556
                                                  0C   11 00086          BRB     10$                                         ; 0551
                                 06               52   E9 00088 8$:      BLBC    R2, 9$                                      ; 0560
                                 52         04    A0   D0 0008B          MOVL    4(CHANGE_TABLE_ADR), CHANGE_RTN             ; 0561
                                                  03   11 0008F          BRB     10$                                         ;
                                 52               60   D0 00091 9$:      MOVL    (CHANGE_TABLE_ADR), CHANGE_RTN              ; 0563
                                                  0B   13 00094 10$:     BEQL    11$                                         ; 0569
                                 52               51   C0 00096          ADDL2   ENT_TAB, CHANGE_RTN                         ; 0571
                                                  52   DD 00099          PUSHL   CHANGE_RTN                                  ; 0577
                                                  18   BB 0009B          PUSHR   #^M<R3,R4>                                  ; 0575
                                 66               03   FB 0009D          CALLS   #3, (RTN_ADDR)                              ;
                                                  04   000A0             RET                                                 ; 0569
                                                  55   DD 000A1 11$:     PUSHL   R5                                          ; 0586
                                 7E               09   CE 000A3          MNEGL   #9, -(SP)                                   ;
                   00000000G     00               02   FB 000A6          CALLS   #2, NML$ERROR_2                             ;
                                                  04   000AD             RET                                                 ; 0587

; Routine Size:  174 bytes,    Routine Base:  $CODE$ + 0000
```

```
;   592     0588  1 %SBTTL 'NML_CHANGE  Change parameters'
;   593     0589  1 ROUTINE NML_CHANGE (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
;   594     0590  1
;   595     0591  1 !++
;   596     0592  1 ! FUNCTIONAL DESCRIPTION:
;   597     0593  1 !
;   598     0594  1 !       This routine dispatches to the routine which changes the permanent
;   599     0595  1 !       or volatile data base.
;   600     0596  1 !
;   601     0597  1 ! INPUTS:
;   602     0598  1 !       ENTITY          The internal NML index for the entity specified in
;   603     0599  1 !                       the NICE command.
;   604     0600  1 !       PARSE_TAB       Address of NICE message parsing table.
;   605     0601  1 !       CHANGE_RTN      Address of routine to perform change requested
;   606     0602  1 !                               by NICE message.
;   607     0603  1 !
;   608     0604  1 ! IMPLICIT INPUTS:
;   609     0605  1 !
;   610     0606  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;   611     0607  1 !
;   612     0608  1 !--
;   613     0609  1
;   614     0610  2 BEGIN
;   615     0611  2
;   616     0612  2 MAP
;   617     0613  2     NML$GB_ENTITY_FORMAT : BYTE SIGNED;
;   618     0614  2
;   619     0615  2 IF NOT NMA$NPARSE (NML$AB_NPA_BLK, .PARSE_TAB) THEN
;   620     0616  2     NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE)
;   621     0617  2 ELSE
;   622     0618  3     BEGIN
;   623     0619  3     SELECTONEU .NML$GB_ENTITY_FORMAT OF
;   624     0620  3         SET
;   625     0621  3         [NMA$C_ENT_KNO]:                        ! Known entities
;   626     0622  3             NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN, 0, 0, 0, 0, 0);
;   627     0623  3
;   628     0624  3         [1 TO 31]:                              ! Single entity
;   629     0625  4             BEGIN
;   630     0626  4             !
;   631     0627  4             ! All entity names except X25 Tracepoints must be 1 to 16
;   632     0628  4             ! characters.
;   633     0629  4             !
;   634     0630  4             IF .NML$GB_ENTITY_FORMAT GTR 16 AND
;   635     0631  4                .ENTITY NEQ NML$C_TRACEPNT THEN
;   636     0632  4                 NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE)
;   637     0633  4             ELSE
;   638     0634  4                 NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN,
;   639     0635  4                                    .NML$GB_ENTITY_FORMAT, NML$AB_ENTITY_ID,
;   640     0636  4                                    .NML$GL_QUALIFIER_PST,
;   641     0637  4                                    .NML$GB_QUALIFIER_FORMAT,
;   642     0638  4                                    NML$AB_QUALIFIER_ID);
;   643     0639  3             END;
;   644     0640  3
;   645     0641  3         [OTHERWISE]:
;   646     0642  3             NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE);
;   647     0643  3         TES;
;   648     0644  2     END;
```

```
;  649          0645  1 END;                          ! End of NML_CHANGE



                                        0004 00000 NML_CHANGE:
                                                           .WORD   Save R2                                          ; 0589
                                                08  AC  DD 00002          PUSHL   PARSE_TAB                        ; 0615
                                    00000000G   00  9F  00005          PUSHAB  NML$AB_NPA_BLK                   ;
                          00000000G 00          02  FB  0000B          CALLS   #2, NMA$NPARSE                   ;
                                    52          50  E9  00012          BLBC    R0, 4$                           ;
                                    52 00000000G  00  98  00015          CVTBL   NML$GB_ENTITY_FORMAT, R2         ; 0619
                                FF  8F            52  91  0001C          CMPB    R2, #-1                          ; 0621
                                                  08  12  00020          BNEQ    1$                               ;
                                                  7E  7C  00022          CLRQ    -(SP)                            ; 0622
                                                  7E  7C  00024          CLRQ    -(SP)                            ;
                                                  7E  D4  00026          CLRL    -(SP)                            ;
                                                  2F  11  00028          BRB     3$                               ;
                                                  52  D5  0002A 1$:      TSTL    R2                               ; 0624
                                                  39  13  0002C          BEQL    4$                               ;
                                            1F    52  91  0002E          CMPB    R2, #31                          ;
                                                  34  1A  00031          BGTRU   4$                               ;
                                            10    52  91  00033          CMPB    R2, #16                          ; 0630
                                                  06  15  00036          BLEQ    2$                               ;
                                            14        04  AC  D1  00038          CMPL    ENTITY, #20              ; 0631
                                                      29  12  0003C          BNEQ    4$                           ;
                                    00000000G         00  9F  0003E 2$:      PUSHAB  NML$AB_QUALIFIER_ID          ; 0634
                                7E  00000000G         00  9A  00044          MOVZBL  NML$GB_QUALIFIER_FORMAT, -(SP) ; 0637
                                    00000000G         00  DD  0004B          PUSHL   NML$GL_QUALIFIER_PST         ; 0636
                                    00000000G         00  9F  00051          PUSHAB  NML$AB_ENTITY_ID             ; 0634
                                                      52  DD  00057          PUSHL   R2                           ; 0635
                                                        0C  AC  DD 00059 3$:      PUSHL   CHANGE_RTN             ; 0634
                                                        04  AC  DD 0005C          PUSHL   ENTITY                 ;
                          00000000V 00                      07  FB 0005F          CALLS   #7, NML_CHANGE_PLURAL  ;
                                                            04 00066          RET                              ; 0619
                                    7E 00000000G          00  9A 00067 4$:      MOVZBL  NML$GB_ENTITY_CODE, -(SP) ; 0642
                                    7E                    09  CE 0006E          MNEGL   #9, -(SP)              ;
                          00000000G 00                      02  FB 00071          CALLS   #2, NML$ERROR_2        ;
                                                            04 00078          RET                              ; 0645

; Routine Size:  121 bytes,    Routine Base:  $CODE$ + 00AE
```

```
;   651          0646  1 %SBTTL 'NML_CHANGE_LOGGING  Set logging volatile parameters'
;   652          0647  1 ROUTINE NML_CHANGE_LOGGING (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
;   653          0648  1
;   654          0649  1 !++
;   655          0650  1 ! FUNCTIONAL DESCRIPTION:
;   656          0651  1 !
;   657          0652  1 !       This routine sets the specified logging parameters into the volatile
;   658          0653  1 !       data base.
;   659          0654  1 !
;   660          0655  1 ! FORMAL PARAMETERS:
;   661          0656  1 !
;   662          0657  1 ! INPUTS:
;   663          0658  1 !       ENTITY          The internal NML index for the entity specified in
;   664          0659  1 !                       the NICE command.
;   665          0660  1 !       PARSE_TAB       Address of NICE message parsing table.
;   666          0661  1 !       CHANGE_RTN      Address of routine to perform change requested
;   667          0662  1 !                               by NICE message.
;   668          0663  1 !
;   669          0664  1 ! IMPLICIT INPUTS:
;   670          0665  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;   671          0666  1 !
;   672          0667  1 !--
;   673          0668  1
;   674          0669  2 BEGIN
;   675          0670  2
;   676          0671  2 MAP
;   677          0672  2     NML$GB_ENTITY_FORMAT : BYTE SIGNED;
;   678          0673  2
;   679          0674  2 LOCAL
;   680          0675  2     LEN,
;   681          0676  2     ENTITY_ID;
;   682          0677  2
;   683          0678  2 IF NOT NMA$NPARSE (NML$AB_NPA_BLK,
;   684          0679  2                    .PARSE_TAB) THEN
;   685          0680  2     NML$ERROR_2 (NMA$C_STS_IDE, NMA$C_ENT_LOG) ! Option error
;   686          0681  2 ELSE
;   687          0682  3     BEGIN
;   688          0683  3     SELECTONEU .NML$GB_ENTITY_FORMAT OF
;   689          0684  3         SET
;   690          0685  3         [NMA$C_ENT_KNO]:                        ! Known entities
;   691          0686  4             BEGIN
;   692          0687  4             LEN = 0;
;   693          0688  4             ENTITY_ID = 0;
;   694          0689  3             END;
;   695          0690  3
;   696          0691  3         [NMA$C_SNK_CON,                         ! Console
;   697          0692  3         NMA$C_SNK_FIL,                          ! File
;   698          0693  3         NMA$C_SNK_MON]:                         ! Monitor
;   699          0694  4             BEGIN
;   700          0695  4             LEN = .NML$GB_ENTITY_FORMAT;
;   701          0696  4             ENTITY_ID = 0;
;   702          0697  3             END;
;   703          0698  3
;   704          0699  3         [OTHERWISE]:
;   705          0700  3             NML$ERROR_2 (NMA$C_STS_IDE, NMA$C_ENT_LOG); ! Option error
;   706          0701  3         TES;
;   707          0702  2     END;
```

```
;  708          0703  2 NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN, .LEN, .ENTITY_ID, 0, 0, 0)
;  709          0704  2
;  710          0705  1 END;                                 ! End of NML_SET_LOGGING


                                        000C 00000 NML_CHANGE_LOGGING:
                                                           .WORD   Save R2,R3                                  ; 0647
                                    08  AC  DD 00002         PUSHL   PARSE_TAB                                   ;  0679
                          00000000G     00  9F 00005         PUSHAB  NML$AB_NPA_BLK                              ;  0678
                00000000G   00          02  FB 0000B         CALLS   #2, NMA$NPARSE                              ;
                            21          50  E9 00012         BLBC    R0, 3$                                      ;
                            50 00000000G  00  98 00015       CVTBL   NML$GB_ENTITY_FORMAT, R0                    ;  0683
                        FF  8F          50  91 0001C         CMPB    R0, #-1                                     ;  0685
                                        04  12 00020         BNEQ    1$                                          ;
                                        53  D4 00022         CLRL    LEN                                         ;  0687
                                        0C  11 00024         BRB     2$                                          ;  0688
                                        50  D5 00026 1$:     TSTL    R0                                          ;  0691
                                        0C  13 00028         BEQL    3$                                          ;
                                    03      50  91 0002A     CMPB    R0, #3                                      ;
                                            07  1A 0002D     BGTRU   3$                                          ;
                                    53      50  D0 0002F     MOVL    R0, LEN                                     ;  0695
                                        52  D4 00032 2$:     CLRL    ENTITY_ID                                   ;  0696
                                        0C  11 00034         BRB     4$                                          ;  0683
                                        02  DD 00036 3$:     PUSHL   #2                                          ;  0700
                                    7E      09  CE 00038     MNEGL   #9, -(SP)                                   ;
                00000000G   00          02  FB 0003B         CALLS   #2, NML$ERROR_2                             ;
                                        7E  7C 00042 4$:     CLRQ    -(SP)                                       ;  0703
                                        7E  D4 00044         CLRL    -(SP)                                       ;
                                        52  DD 00046         PUSHL   ENTITY_ID                                   ;
                                        53  DD 00048         PUSHL   LEN                                         ;
                                    0C  AC  DD 0004A         PUSHL   CHANGE_RTN                                  ;
                                    04  AC  DD 0004D         PUSHL   ENTITY                                      ;
                00000000V   00          07  FB 00050         CALLS   #7, NML_CHANGE_PLURAL                       ;
                                            04  00057       RET                                                 ; 0705

; Routine Size:  88 bytes,    Routine Base:  $CODE$ + 0127
```

```
;   712     0706  1 %SBTTL 'NML_CHANGE_NODE  Change node parameters'
;   713     0707  1 ROUTINE NML_CHANGE_NODE (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
;   714     0708  1
;   715     0709  1 !++
;   716     0710  1 ! FUNCTIONAL DESCRIPTION:
;   717     0711  1 !       This routine dispatches to the routine which changes the permanent
;   718     0712  1 !       or volatile data base for nodes.
;   719     0713  1 !
;   720     0714  1 ! INPUTS:
;   721     0715  1 !       ENTITY          The internal NML index for the entity specified
;   722     0716  1 !                       in the NICE command.
;   723     0717  1 !       PARSE_TAB       Address of NICE message parsing table.
;   724     0718  1 !       CHANGE_RTN      Address of routine to perform change requested
;   725     0719  1 !                               by NICE message.
;   726     0720  1 !
;   727     0721  1 ! IMPLICIT INPUTS:
;   728     0722  1 !
;   729     0723  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;   730     0724  1 !
;   731     0725  1 !--
;   732     0726  1
;   733     0727  2 BEGIN
;   734     0728  2
;   735     0729  2 MAP
;   736     0730  2     nml$gb_entity_format : BYTE SIGNED;
;   737     0731  2
;   738     0732  2 LOCAL
;   739     0733  2     len,
;   740     0734  2     entity_id;
;   741     0735  2
;   742     0736  2 IF NOT nma$nparse (nml$ab_npa_blk,
;   743     0737  2                    .parse_tab) THEN
;   744     0738  2     nml$error_2 (nma$c_sts_ide, nma$c_ent_nod)  ! Option error
;   745     0739  2 ELSE
;   746     0740  3     BEGIN
;   747     0741  3     SELECTONEU .nml$gb_entity_format OF
;   748     0742  3         SET
;   749     0743  3         [nma$c_ent_kno]:                        ! Known entities
;   750     0744  4             BEGIN
;   751     0745  4             len = 0;
;   752     0746  4             entity_id = 0;
;   753     0747  3             END;
;   754     0748  3
;   755     0749  3         [nma$c_ent_add]:                ! Node is specified by address
;   756     0750  4             BEGIN
;   757     0751  4             len = 2;
;   758     0752  4             entity_id = nml$ab_entity_id;
;   759     0753  3             END;
;   760     0754  3
;   761     0755  3         [1 TO 6]:
;   762     0756  4             BEGIN
;   763     0757  4             len = .nml$gb_entity_format;
;   764     0758  4             entity_id = nml$ab_entity_id;
;   765     0759  3             END;
;   766     0760  3
;   767     0761  3         [OTHERWISE]:
;   768     0762  3             nml$error_2 (nma$c_sts_ide, nma$c_ent_nod); ! Option error
```

```
;  769          0763  3          TES;
;  770          0764  2      END;
;  771          0765  2  nml_change_plural (.entity, .change_rtn,
;  772          0766  2                     .len, .entity_id,
;  773          0767  2                     0, 0, 0);
;  774          0768  2
;  775          0769  1  END;                           ! End of NML_CHANGE_NODE


                                        000C 00000 NML_CHANGE_NODE:
                                                    .WORD   Save R2,R3                          ; 0707
                                  08    AC  DD 00002        PUSHL   PARSE_TAB                   ; 0737
                        00000000G       00  9F 00005        PUSHAB  NML$AB_NPA_BLK              ; 0736
                00000000G       00      02  FB 0000B        CALLS   #2, NMA$NPARSE              ;
                                2B      50  E9 00012        BLBC    R0, 4$                      ;
                                50 00000000G    00  98 00015  CVTBL   NML$GB_ENTITY_FORMAT, R0  ; 0741
                            FF  8F              50  91 0001C  CMPB    R0, #-1                   ; 0743
                                                04  12 00020  BNEQ    1$                        ;
                                                52  7C 00022  CLRQ    ENTITY_ID                 ; 0746
                                                26  11 00024  BRB     5$                        ; 0741
                                                50  D5 00026  1$:     TSTL    R0                ; 0749
                                                05  12 00028  BNEQ    2$                        ;
                                            53      02  D0 0002A  MOVL    #2, LEN               ; 0751
                                                    08  11 0002D  BRB     3$                    ; 0752
                                            06      50  91 0002F  2$:     CMPB    R0, #6        ; 0755
                                                    0C  1A 00032  BGTRU   4$                    ;
                                            53      50  D0 00034  MOVL    R0, LEN               ; 0757
                                            52 00000000G    00  9E 00037  3$:     MOVAB   NML$AB_ENTITY_ID, ENTITY_ID ; 0758
                                                    0C  11 0003E  BRB     5$                    ; 0741
                                                    7E  D4 00040  4$:     CLRL    -(SP)         ; 0762
                                        7E          09  CE 00042  MNEGL   #9, -(SP)             ;
                        00000000G       00      02  FB 00045  CALLS   #2, NML$ERROR_2          ;
                                                    7E  7C 0004C  5$:     CLRQ    -(SP)         ; 0765
                                                    7E  D4 0004E  CLRL    -(SP)                 ;
                                                    52  DD 00050  PUSHL   ENTITY_ID             ; 0766
                                                    53  DD 00052  PUSHL   LEN                    ;
                                              0C    AC  DD 00054  PUSHL   CHANGE_RTN            ; 0765
                                              04    AC  DD 00057  PUSHL   ENTITY                ;
                        00000000V       00      07  FB 0005A  CALLS   #7, NML_CHANGE_PLURAL     ;
                                                04  00061  RET                                 ; 0769

; Routine Size:  98 bytes,    Routine Base:  $CODE$ + 017F
```

```
;   777          0770  1 %SBTTL 'NML_CHANGE_EXECUTOR  Change executor parameters'
;   778          0771  1 ROUTINE NML_CHANGE_EXECUTOR (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
;   779          0772  1
;   780          0773  1 !++
;   781          0774  1 ! FUNCTIONAL DESCRIPTION:
;   782          0775  1 !       This routine dispatches to the routine which changes the permanent
;   783          0776  1 !       or volatile data base.
;   784          0777  1 !
;   785          0778  1 ! INPUTS:
;   786          0779  1 !       ENTITY          The internal NML index for the entity specified
;   787          0780  1 !                       in the NICE command.
;   788          0781  1 !       PARSE_TAB       Address of NICE message parsing table.
;   789          0782  1 !       CHANGE_RTN      Address of routine to perform change requested
;   790          0783  1 !                               by NICE message.
;   791          0784  1 !
;   792          0785  1 ! IMPLICIT INPUTS:
;   793          0786  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;   794          0787  1 !
;   795          0788  1 !--
;   796          0789  1
;   797          0790  2 BEGIN
;   798          0791  2
;   799          0792  2 MAP
;   800          0793  2     nml$gb_entity_format : BYTE SIGNED;
;   801          0794  2
;   802          0795  2 IF (.nml$gb_entity_format EQL nma$c_ent_add) OR
;   803          0796  2    (.nml$gb_entity_format LEQ 6) THEN
;   804          0797  3     BEGIN
;   805          0798  3     IF nma$nparse (nml$ab_npa_blk,
;   806          0799  3                    .parse_tab) THEN
;   807          0800  3     nml_change_plural (.entity, .change_rtn, 0, 0, 0, 0, 0);
;   808          0801  3     END
;   809          0802  2 ELSE
;   810          0803  2     nml$error_2 (nma$c_sts_ide, nma$c_ent_nod); ! Option error
;   811          0804  2
;   812          0805  1 END;                            ! End of NML_CHANGE_EXECUTOR


                                0000 00000 NML_CHANGE_EXECUTOR:
                                                .WORD   Save nothing                                    ; 0771
                     50 00000000G   00   98 00002       CVTBL   NML$GB_ENTITY_FORMAT, R0                ; 0795
                                    05   13 00009       BEQL    1$                                      ;
                     06             50   91 0000B       CMPB    R0, #6                                  ; 0796
                                    27   14 0000E       BGTR    2$                                      ;
                           08       AC   DD 00010 1$:   PUSHL   PARSE_TAB                               ; 0799
                 00000000G          00   9F 00013       PUSHAB  NML$AB_NPA_BLK                          ; 0798
          00000000G  00             02   FB 00019       CALLS   #2, NMA$NPARSE                          ;
                     20             50   E9 00020       BLBC    R0, 3$                                  ;
                                    7E   7C 00023       CLRQ    -(SP)                                   ; 0800
                                    7E   7C 00025       CLRQ    -(SP)                                   ;
                                    7E   D4 00027       CLRL    -(SP)                                   ;
                           0C       AC   DD 00029       PUSHL   CHANGE_RTN                              ;
                           04       AC   DD 0002C       PUSHL   ENTITY                                  ;
          00000000V  00             07   FB 0002F       CALLS   #7, NML_CHANGE_PLURAL                   ;
```

```
                                 04 00036          RET                                     ; 0795
                              7E D4 00037 2$:      CLRL    -(SP)                           ; 0803
                           7E 09 CE 00039          MNEGL   #9, -(SP)                       ;
                 00000000G 00 02 FB 0003C          CALLS   #2, NML$ERROR_2                 ;
                                 04 00043 3$:     RET                                     ; 0805

; Routine Size:  68 bytes,    Routine Base:  $CODE$ + 01E1
```

```
;   814          0806  1 %SBTTL 'NML_CHANGE_NETWORK  Change X25-Protocol and X25-Access network parameters'
;   815          0807  1 ROUTINE NML_CHANGE_NETWORK (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
;   816          0808  1
;   817          0809  1 !++
;   818          0810  1 ! FUNCTIONAL DESCRIPTION:
;   819          0811  1 !       This routine dispatches to the routine which changes the permanent
;   820          0812  1 !       or volatile data base for X25-Protocol and X25-Access networks.
;   821          0813  1 !
;   822          0814  1 ! INPUTS:
;   823          0815  1 !       ENTITY          The internal NML index for the entity specified in
;   824          0816  1 !                       the NICE command.
;   825          0817  1 !       PARSE_TAB       Address of NICE message parsing table.
;   826          0818  1 !       CHANGE_RTN      Address of routine to perform change requested
;   827          0819  1 !                               by NICE message.
;   828          0820  1 !
;   829          0821  1 ! IMPLICIT INPUTS:
;   830          0822  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;   831          0823  1 !
;   832          0824  1 !--
;   833          0825  1
;   834          0826  2 BEGIN
;   835          0827  2
;   836          0828  2 MAP
;   837          0829  2     nml$gb_entity_format : BYTE SIGNED;
;   838          0830  2
;   839          0831  2 IF NOT nma$nparse (nml$ab_npa_blk, .parse_tab) THEN
;   840          0832  2     nml$error_2 (nma$c_sts_ide, .nml$gb_entity_code)
;   841          0833  2 ELSE
;   842          0834  3     BEGIN
;   843          0835  3     SELECTONEU .nml$gb_entity_format OF
;   844          0836  3         SET
;   845          0837  3         [nma$c_ent_kno]:                        ! Known networks
;   846          0838  3             nml_change_plural (.entity, .change_rtn,
;   847          0839  3                                .nml$gb_entity_format, 0,
;   848          0840  3                                0, 0, 0);
;   849          0841  3
;   850          0842  3         [0]:                                    ! Active network
;   851          0843  3             nml_change_plural (.entity, .change_rtn,
;   852          0844  3                                0, 0,
;   853          0845  3                                0, 0, 0);
;   854          0846  3
;   855          0847  3         [1 TO 16]:                              ! Single network
;   856          0848  3             nml_change_plural (.entity, .change_rtn,
;   857          0849  3                                .nml$gb_entity_format, nml$ab_entity_id,
;   858          0850  3                                0, 0, 0);
;   859          0851  3
;   860          0852  3         [OTHERWISE]:
;   861          0853  3             nml$error_2 (nma$c_sts_ide, .nml$gb_entity_code);
;   862          0854  3         TES;
;   863          0855  2     END;
;   864          0856  1 END;                                    ! End of NML_CHANGE_NETWORK


                                                0004 00000 NML_CHANGE_NETWORK:
```

```
                                               .WORD   Save R2                              ; 0807
                  08  AC  DD 00002              PUSHL   PARSE_TAB                            ; 0831
           00000000G  00  9F 00005              PUSHAB  NML$AB_NPA_BLK                       ;
 00000000G  00        02  FB 0000B              CALLS   #2, NMA$NPARSE                       ;
            3E        50  E9 00012              BLBC    R0, 5$                               ;
            52 00000000G  00  98 00015          CVTBL   NML$GB_ENTITY_FORMAT, R2             ; 0835
       FF   8F        52  91 0001C              CMPB    R2, #-T                              ; 0837
                      06  12 00020              BNEQ    1$                                   ;
                      7E  7C 00022              CLRQ    -(SP)                                ; 0838
                      7E  7C 00024              CLRQ    -(SP)                                ;
                      1B  11 00026              BRB     3$                                   ; 0839
                      52  D5 00028 1$:          TSTL    R2                                   ; 0842
                      08  12 0002A              BNEQ    2$                                   ;
                      7E  7C 0002C              CLRQ    -(SP)                                ; 0843
                      7E  7C 0002E              CLRQ    -(SP)                                ;
                      7E  D4 00030              CLRL    -(SP)                                ;
                      11  11 00032              BRB     4$                                   ;
            10        52  91 00034 2$:          CMPB    R2, #16                              ; 0847
                      1A  1A 00037              BGTRU   5$                                   ;
                      7E  7C 00039              CLRQ    -(SP)                                ; 0848
                      7E  D4 0003B              CLRL    -(SP)                                ;
           00000000G  00  9F 0003D              PUSHAB  NML$AB_ENTITY_ID                     ;
                      52  DD 00043 3$:          PUSHL   R2                                   ; 0849
                  0C  AC  DD 00045 4$:          PUSHL   CHANGE_RTN                           ; 0848
                  04  AC  DD 00048              PUSHL   ENTITY                               ;
 00000000V  00        07  FB 0004B              CALLS   #7, NML_CHANGE_PLURAL                ;
                          04 00052              RET                                          ;
            7E 00000000G  00  9A 00053 5$:      MOVZBL  NML$GB_ENTITY_CODE, -(SP)            ; 0853
            7E        09  CE 0005A              MNEGL   #9, -(SP)                            ;
 00000000G  00        02  FB 0005D              CALLS   #2, NML$ERROR_2                      ;
                          04 00064              RET                                          ; 0856

; Routine Size:  101 bytes,    Routine Base:  $CODE$ + 0225
```

```
;  866          0857  1 %SBTTL 'NML_DISCONNECT_LINKS  Clear link volatile parameters'
;  867          0858  1 ROUTINE NML_DISCONNECT_LINKS : NOVALUE =
;  868          0859  1
;  869          0860  1 !++
;  870          0861  1 ! FUNCTIONAL DESCRIPTION:
;  871          0862  1 !
;  872          0863  1 !       This routine clears the specified link parameters into the volatile
;  873          0864  1 !       data base.
;  874          0865  1 !
;  875          0866  1 ! IMPLICIT INPUTS:
;  876          0867  1 !
;  877          0868  1 !       NML$GL_PRS_FLGS contains the parse flags.
;  878          0869  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;  879          0870  1 !
;  880          0871  1 !--
;  881          0872  1
;  882          0873  2 BEGIN
;  883          0874  2
;  884          0875  2 MAP
;  885          0876  2     nml$gb_entity_format : BYTE SIGNED;
;  886          0877  2
;  887          0878  2 !
;  888          0879  2 ! All functions specifying the link entity must be system-specific.
;  889          0880  2 !
;  890          0881  2
;  891          0882  2 IF .nml$gl_prs_flgs [nml$v_prs_vms] THEN
;  892          0883  2     SELECTONEU .nml$gb_entity_format OF
;  893          0884  2         SET
;  894          0885  2         [nma$c_ent_kno]:                    ! Known
;  895          0886  2             nml_change_plural (nml$c_links,
;  896          0887  2                                nml$discknown,
;  897          0888  2                                .nml$gl_qualifier_pst,
;  898          0889  2                                .nml$gb_qualifier_format,
;  899          0890  2                                nml$ab_qualifier_id);
;  900          0891  2
;  901          0892  2
;  902          0893  2         [nma$c_ent_add]:
;  903          0894  2             nml_change_plural (nml$c_links,
;  904          0895  2                                nml$disconnect,
;  905          0896  2                                .(nml$ab_entity_id)<0,16>, 0);
;  906          0897  2         TES;
;  907          0898  2
;  908          0899  2 nml$error_2 (nma$c_sts_ide, nma$c_sent_lnk); ! Option error
;  909          0900  2
;  910          0901  1 END;                                ! End of NML_DISCONNECT_LINKS


                                0004 00000 NML_DISCONNECT_LINKS:
                                                .WORD   Save R2                                         ; 0858
                     52 00000000V   00  9E 00002        MOVAB   NML_CHANGE_PLURAL, R2                   ;
                     45 00000000G   00  E9 00009        BLBC    NML$GL_PRS_FLGS, 2$                     ; 0882
                     50 00000000G   00  98 00010        CVTBL   NML$GB_ENTITY_FORMAT, R0                ; 0883
                  FF 8F             50  91 00017        CMPB    R0, #-T                                 ; 0885
                                    20  12 0001B        BNEQ    1$                                      ;
```

```
                                00000000G  00  9F  0001D          PUSHAB  NML$AB_QUALIFIER_ID                          ; 0886
                             7E 00000000G  00  9A  00023          MOVZBL  NML$GB_QUALIFIER_FORMAT, -(SP)              ; 0889
                                00000000G  00  DD  0002A          PUSHL   NML$GL_QUALIFIER_PST                        ; 0888
                                00000000G  00  9F  00030          PUSHAB  NML$DISCKNOWN                               ; 0886
                                           18  DD  00036          PUSHL   #24                                         ;
                             62            05  FB  00038          CALLS   #5, NML_CHANGE_PLURAL                       ;
                                           18  11  0003B          BRB     2$                                          ;
                                           50  D5  0003D  1$:     TSTL    R0                                          ; 0893
                                           14  12  0003F          BNEQ    2$                                          ;
                                           7E  D4  00041          CLRL    -(SP)                                       ; 0894
                             7E 00000000G  00  3C  00043          MOVZWL  NML$AB_ENTITY_ID, -(SP)                     ; 0896
                                00000000G  00  9F  0004A          PUSHAB  NML$DISCONNECT                              ; 0894
                                           18  DD  00050          PUSHL   #24                                         ;
                             62            04  FB  00052          CALLS   #4, NML_CHANGE_PLURAL                       ;
                                           07  DD  00055  2$:     PUSHL   #7                                          ; 0899
                             7E            09  CE  00057          MNEGL   #9, -(SP)                                   ;
                   00000000G  00           02  FB  0005A          CALLS   #2, NML$ERROR_2                             ;
                                               04  00061          RET                                                 ; 0901

; Routine Size:  98 bytes,    Routine Base:  $CODE$ + 028A
```

```
;  912          0902  1 %SBTTL 'NML_CHANGE_PLURAL Change plural entity parameters'
;  913          0903  1 ROUTINE NML_CHANGE_PLURAL (ENT, RTN, PRM1, PRM2, PRM3, PRM4, PRM5) : NOVALUE =
;  914          0904  1
;  915          0905  1 !++
;  916          0906  1 ! FUNCTIONAL DESCRIPTION:
;  917          0907  1 !
;  918          0908  1 !       This routine performs initialization for change operations.
;  919          0909  1 !       The NICE framing messages (plural and done) are transmitted and
;  920          0910  1 !       the SET/CLEAR/DEFINE/PURGE routine is called.
;  921          0911  1 !
;  922          0912  1 ! FORMAL PARAMETERS:
;  923          0913  1 !
;  924          0914  1 !       ENT             Entity type code.
;  925          0915  1 !       RTN             Address of routine to be called.
;  926          0916  1 !       PRM1 - PRM5     Function-specific routine parameters.
;  927          0917  1 !
;  928          0918  1 ! SIDE EFFECTS:
;  929          0919  1 !
;  930          0920  1 !       Several NICE messages are transmitted.
;  931          0921  1 !
;  932          0922  1 !--
;  933          0923  1
;  934          0924  2 BEGIN
;  935          0925  2
;  936          0926  2 MAP
;  937          0927  2     nml$gb_options : BBLOCK [1];
;  938          0928  2
;  939          0929  2 LOCAL
;  940          0930  2     msgsize;
;  941          0931  2
;  942          0932  2 IF .nml$gb_options [nma$v_opt_per] THEN
;  943          0933  2     !
;  944          0934  2     ! Open permanent data base file specified for write.
;  945          0935  2     !
;  946          0936  2     nml$openfile (.nml$ab_entitydata [.ent, eit$b_fileid], nma$c_opn_ac_rw)
;  947          0937  2 ELSE
;  948          0938  2     BEGIN
;  949          0939  2     !
;  950          0940  2     ! If this is a SET ALL command then open the permanent data base file
;  951          0941  2     ! for read.
;  952          0942  2     !
;  953          0943  2     IF NOT .nml$gb_options [nma$v_opt_cle]
;  954          0944  2     AND .nml$gl_prs_flgs [nml$v_prs_all] THEN
;  955          0945  2         nml$openfile (.nml$ab_entitydata [.ent, eit$b_fileid],
;  956          0946  2                       nma$c_opn_ac_ro);
;  957          0947  2     END;
;  958          0948  2 !
;  959          0949  2 ! Send success with multiple responses message.
;  960          0950  2 !
;  961          0951  2 nml$bld_reply (UPLIT (0, nma$c_sts_mor), msgsize);       ! Build message
;  962          0952  2 nml$send (nml$ab_sndbuffer, .msgsize);                   ! Send it
;  963          0953  2 !
;  964          0954  2 ! Enable condition handler to allow done message to be sent.
;  965          0955  2 !
;  966          0956  2 lib$establish (nml$mainhandler);
;  967          0957  2 !
;  968          0958  2 ! Call entity-specific routine.
```

```
;  969          0959  2 !
;  970          0960  2 (.rtn) (.ent, .prm1, .prm2, .prm3, .prm4, .prm5);
;  971          0961  2 !
;  972          0962  2 ! Signal done message.
;  973          0963  2 !
;  974          0964  2 lib$revert ();                  ! Disable condition handler
;  975          0965  2 nml$error_1 (nma$c_sts_don);    ! Signal no more responses
;  976          0966  2 !
;  977          0967  1 END;                            ! End of NML_CHANGE_PLURAL


                                                        .PSECT  $PLIT$,NOWRT,NOEXE,2

                                00000002  00000000  00018 P.AAG:  .LONG   0, 2                                                ;


                                                        .PSECT  $CODE$,NOWRT,2

                                          0004 00000 NML_CHANGE_PLURAL:
                                                        .WORD   Save R2                                                     ; 0903
                                52 00000000G   00  9E 00002         MOVAB   NML$GB_OPTIONS, R2                              ;
                                5E             04  C2 00009         SUBL2   #4, SP                                          ;
                                               62  95 0000C         TSTB    NML$GB_OPTIONS                                  ; 0932
                                               04  18 0000E         BGEQ    1$                                              ;
                                               01  DD 00010         PUSHL   #1                                              ; 0936
                                               0E  11 00012         BRB     2$                                              ;
                             1E                62  06 E0 00014 1$:      BBS     #6, NML$GB_OPTIONS, 3$                      ; 0943
                          16 00000000G         00  01 E1 00018         BBC     #1, NML$GL_PRS_FLGS, 3$                     ; 0944
                                               7E  D4 00020         CLRL    -(SP)                                           ; 0945
                          50         04        AC  2C C5 00022 2$:      MULL3   #44, ENT, R0                                    ;
                                               7E  00000000G0040  9A 00027         MOVZBL  NML$AB_ENTITYDATA[R0], -(SP)            ;
                             00000000G         00  02 FB 0002F         CALLS   #2, NML$OPENFILE                                ;
                                               5E  DD 00036 3$:      PUSHL   SP                                              ; 0951
                                      00000000' 00  9F 00038         PUSHAB  P.AAG                                           ;
                             00000000G         00  02 FB 0003E         CALLS   #2, NML$BLD_REPLY                               ;
                                               6E  DD 00045         PUSHL   MSGSIZE                                         ; 0952
                                      00000000G 00  9F 00047         PUSHAB  NML$AB_SNDBUFFER                                ;
                             00000000G         00  02 FB 0004D         CALLS   #2, NML$SEND                                    ;
                                      00000000G 00  9F 00054         PUSHAB  NML$MAINHANDLER                                 ; 0956
                             00000000G         00  01 FB 0005A         CALLS   #1, LIB$ESTABLISH                               ;
                                            18 AC  7D 00061         MOVQ    PRM4, -(SP)                                     ; 0960
                                            10 AC  7D 00065         MOVQ    PRM2, -(SP)                                     ;
                                            0C AC  DD 00069         PUSHL   PRM1                                            ;
                                            04 AC  DD 0006C         PUSHL   ENT                                             ;
                                         08 BC     06 FB 0006F         CALLS   #6, @RTN                                        ;
                             00000000G         00  00 FB 00073         CALLS   #0, LIB$REVERT                                  ; 0964
                                            80 8F  98 0007A         CVTBL   #-128, -(SP)                                    ; 0965
                             00000000G         00  01 FB 0007E         CALLS   #1, NML$ERROR_1                                 ;
                                                   04 00085         RET                                                     ; 0967

; Routine Size:  134 bytes,    Routine Base:  $CODE$ + 02EC
```

```
;  979          0968  1 END                                   ! End of module
;  980          0969  1
;  981          0970  0 ELUDOM
```

```
;                                PSECT SUMMARY

;       Name                    Bytes                           Attributes

;  $OWN$                         1624  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $PLIT$                          32  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $CODE$                         882  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        36        10          27        00:00.1
;  _$255$DUA28:[SHRLIB]NMALIBRY.L32;1    887        15         1          47        00:00.2
;  _$255$DUA28:[SYSLIB]STARLET.L32;1    9776         0         0         581        00:02.2
```

```
;                                   COMMAND QUALIFIERS

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

; Size:         882 code + 1656 data bytes
; Run Time:          00:35.5
; Elapsed Time:      01:16.8
; Lines/CPU Min:      1637
; Lexemes/CPU-Min: 36265
; Memory Used:  198 pages
; Compilation Complete
```

NML_CLEAR
LIS

NML_BLDMSG
LIS

NML_CHANGE
LIS

NML_DAT
LIS

NML_CLPUST
LIS