J 6

```
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  LLL
NNN         NNN  MMM         MMM  LLLLLLLLLLLLLLL
NNN         NNN  MMM         MMM  LLLLLLLLLLLLLLL
NNN         NNN  MMM         MMM  LLLLLLLLLLLLLLL
```

```
**FILE**ID**NMLPARINI                                  C  4



NN      NN  MM      MM  LL          PPPPPPPP      AAAAAA    RRRRRRRR      IIIIII    NN      NN    IIIIII
NN      NN  MM      MM  LL          PPPPPPPP      AAAAAA    RRRRRRRR      IIIIII    NN      NN    IIIIII
NN      NN  MMMM  MMMM  LL          PP      PP  AA      AA  RR      RR      II      NN      NN      II
NN      NN  MMMM  MMMM  LL          PP      PP  AA      AA  RR      RR      II      NN      NN      II
NNNN    NN  MM  MM  MM  LL          PP      PP  AA      AA  RR      RR      II      NNNN    NN      II
NNNN    NN  MM  MM  MM  LL          PP      PP  AA      AA  RR      RR      II      NNNN    NN      II
NN  NN  NN  MM      MM  LL          PPPPPPPP    AA      AA  RRRRRRRR        II      NN  NN  NN      II
NN  NN  NN  MM      MM  LL          PPPPPPPP    AA      AA  RRRRRRRR        II      NN  NN  NN      II
NN    NNNN  MM      MM  LL          PP          AAAAAAAAAA  RR  RR          II      NN    NNNN      II
NN    NNNN  MM      MM  LL          PP          AAAAAAAAAA  RR  RR          II      NN    NNNN      II
NN      NN  MM      MM  LL          PP          AA      AA  RR    RR        II      NN      NN      II          ....
NN      NN  MM      MM  LL          PP          AA      AA  RR    RR        II      NN      NN      II          ....
NN      NN  MM      MM  LLLLLLLLLL  PP          AA      AA  RR      RR    IIIIII    NN      NN    IIIIII        ....
NN      NN  MM      MM  LLLLLLLLLL  PP          AA      AA  RR      RR    IIIIII    NN      NN    IIIIII        ....

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
```

```
%TITLE 'NML initial message parsing module'
MODULE NML$PARINI (
                LANGUAGE (BLISS32),
                ADDRESSING_MODE (NONEXTERNAL=GENERAL),
                ADDRESSING_MODE (EXTERNAL=GENERAL),
                IDENT = 'V04-000'
                ) =
BEGIN
!
!****************************************************************************
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!*                                                                          *
!*                                                                          *
!****************************************************************************
!

!++
! FACILITY:  DECnet-VAX V2.0 Network Management Listener
!
! ABSTRACT:
!
!       This module contains action routines called by NPARSE to process
!       NICE command messages from NCP.
!
! ENVIRONMENT:  VAX/VMS Operating System
!
! AUTHOR:  Distributed Systems Software Engineering
!
! CREATION DATE:  8-OCT-1979
!
! MODIFIED BY:
!
!       V03-012 MKP0012         Kathy Perko             23-July-1984
!               If area 0 is supplied in a node number, default to the
!               executor node area number.  This undoes the change dated
!               21-Mar-1984.
!
!       V03-011 MKP0011         Kathy Perko             18-April-1984
!               Get the executor ID from the volatile database on an as
!               needed basis, but only once per command (rather than reissuing
1 !                the QIO every time the exec ID is needed.)  Do it once per
1 !                command in case the command changes the name or address.
1 !
1 !      V03-010 MKP0010         Kathy Perko             21-Mar-1984
1 !                Add support for area 1 problem.  This involves changing area 0
1 !                to area 1 for Phase IV NCPs and to the exec area for Phase III
1 !                NCPs.  Also, disallow anything but SHOW and LIST from a Phase
1 !                III node.  If they try to do a SET NODE by node number, they'll
1 !                get area 1 instead of the exec's area - very confusing.
1 !
1 !      V03-009 MKP0009         Kathy Perko             6-Jan-1984
1 !                Add X25-Access Module entity.
1 !
1 !      V03-008 MKP0008         Kathy Perko             4-Aug-1983
1 !                Add support to make node permanent database faster.
1 !
1 !      V03-007 MKP0007         Kathy Perko             20-April-1983
1 !                Remove service functions from NML.
1 !
1 !      V03-006 MKP0006         Kathy Perko             17-Jan-1983
1 !                Add support for CONFIGURATOR module.
1 !
1 !      V03-005 MKP0005         Kathy Perko             14-Nov-1982
1 !                Add a routine to return success if the NICE message
1 !                function code is change.
1 !
1 !      V03-004 MKP0004         Kathy Perko             8-Nov-1982
1 !                Change NML$PRSID so that it will save a field using the
1 !                field length in the parsing tables.
1 !
1 !      V03-003 MKP0005         Kathy Perko             15-Oct-1982
1 !                Change the way NML$PRSID saves node numbers, logging
1 !                sinks, and link numbers so that they are a longword instead
1 !                of a word.
1 !
1 !      V03-002 MKP0002         Kathy Perko             17-June-1982
1 !                Add support for active X25-protocol networks.
1 !                Also, add a routine for parsing quailifiers and
1 !                change LINKS operations to use the node number or
1 !                name as a qualifier.
1 !
1 !      V03-001 MKP0001         Kathy Perko             16-June-1982
1 !                Add parsing routines for X25-Protocol Module and entity
1 !                qualfiers.
1 !
1 !      V02-003 MKP0002         Kathy Perko             23-Nov-1981
1 !                Delete NML validation of line and circuit IDs.  NETACP
1 !                will perform all validation.
1 !
1 !      V02-002 MKP0001         Kathy Perko             13-Nov-1981
1 !                Change name of routine that used to parse line ids
1 !                and now parses both line and circuit ids.  I.E. change
1 !                NML$PRSLINE to NML$PRSDEVICE.
1 !
1 !      V02-001 LMK0001         Len Kawell              27-Jul-1981
1 !                Remove QIO buffer initialization.
1 !--
```

```
    1 %SBTTL 'Declarations';
    1
    1 !
    1 ! TABLE OF CONTENTS:
    1 !
    1
    1 FORWARD ROUTINE
    1       nml$parse_init,
    1       nml$prsfnc,
    1       nml$prsopt,
    1       nml$prsop2,
    1       nml$prsinf,
    1       nml$prsent,
    1       nml$prsidleq,
    1       nml$prsqualleq,
    1       nml$prsid,
    1       nml$prsidn,
    1       nml$prsnodnam,
    1       nml$prs_node_num_entity,
    1       nml$prs_node_num,
    1       nml$prssnknna,
    1       nml$prssnknad,
    1       nml$prs_module,
    1       nml$prs_active_net,
    1       nml$prsexesnk,
    1       nml$prsdevice,
    1       nml$prslogsin,
    1       nml$prs_noread,
    1       nml$prserr1,
    1       nml$prsiderr;
    1
    1 !
    1 ! INCLUDE FILES:
    1 !
    1
    1 LIBRARY 'LIB$:NMLLIB.L32';
    1 LIBRARY 'SHRLIB$:NMALIBRY.L32';
    1 LIBRARY 'SYS$LIBRARY:STARLET.L32';
    1
    1 !
    1 ! MACROS:
    1 !
    1
    1 !
    1 ! Macro to return a byte complement of a value
    1 ! (Used to prevent byte initialization overflow)
    1 !
    1 MACRO
M   1       not_byte (n) =
M   1           ((NOT (n)) AND %X'FF')
    1       %;
    1
    1 !
    1 ! EQUATED SYMBOLS:
    1 !
    1
    1 LITERAL
    funcnt = 7;                         ! Total number of functions (Phase III only)
!
! Invalid option bit mask definitions
!
LITERAL
    rea_invob_msk = not_byte (nma$m_opt_ent OR
                              nma$m_opt_inf OR
                              nma$m_opt_per),

    cha_invob_msk = not_byte (nma$m_opt_ent OR
                              nma$m_opt_inf OR
                              nma$m_opt_per OR
                              nma$m_opt_cle),

    zer_invob_msk = not_byte (nma$m_opt_ent OR nma$m_opt_rea),

    loa_invob_msk = not_byte (nma$m_opt_ent),

    dum_invob_msk = not_byte (nma$m_opt_ent),

    tri_invob_msk = not_byte (nma$m_opt_ent),

    tes_invob_msk = not_byte (nma$m_opt_ent OR nma$m_opt_acc);

!
! OWN STORAGE:
!

!
! Table of invalid option bits for each function
!
BIND
    invopb_tab = UPLIT BYTE(
                            loa_invob_msk,
                            dum_invob_msk,
                            tri_invob_msk,
                            tes_invob_msk,
                            cha_invob_msk,
                            rea_invob_msk,
                            zer_invob_msk
                           ) : VECTOR [funcnt, BYTE];

!
! EXTERNAL REFERENCES:
!

$NML_EXTDEF;

EXTERNAL
    nml$ab_npa_blk : $NPA_BLKDEF,
    nml$gb_ncp_version: BBLOCK,
    nml$gw_perm_exec_addr: WORD,
    nml$gw_vol_exec_addr: WORD,
    nml$gq_perm_exec_name_dsc: VECTOR,
    nml$gq_vol_exec_name_dsc: VECTOR,
    nml$npa_init;
```

```
;       1 EXTERNAL ROUTINE
;       1      nma$nparse,
;       1      nml$chkexe,
;       1      nml$error_1,
;       1      nml$error_2,
;       1      nml$fix_node_num,
;       1      nml$getexeadr,
;       1      nml$getexenam,
;       1      nml$getnodadr,
;       1      nml$openfile,
;       1      nml$set_up_exec_id;
```

```
1 %SBTTL 'NML$PARSE_INIT  Initial message parsing routine'
1 GLOBAL ROUTINE NML$PARSE_INIT =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This routine invokes the NPARSE facility to check the funcition,
1 !       option, and entity codes in a received NICE protocol function.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GB_FUNCTION contains the function code.
1 !       NML$GB_OPTIONS contains the option codes.
1 !       NML$GB_INFO contains the information code if the function is read.
1 !       NML$GL_ENTCODE contains the entity code.
1 !       NML$AB_NPA_BLK contains parsing information about the remainder of the
1 !               message.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       If the parse fails then the NML status code is returned as specified in
1 !       the parse state table otherwise NML$_STS_SUC is returned.
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NONE
1 !
1 !--
1
2 BEGIN
2
2 LOCAL
2     STATUS;                               ! Temporary status
2 !
2 ! Initialize message parsing data
2 !
2 nml$gl_prmcode   = 0;            ! Parameter code
2 nml$gl_prs_flgs  = 0;            ! Parsing flags
2 nml$gw_prmdescnt = 0;            ! Parameter descriptor count
2 nml$gl_nml_entity = 0;           ! NML's internal code for the entity.
2 nml$gw_vol_exec_addr = 0;        ! Get executor name and address from volatile
2 nml$gq_vol_exec_name_dsc [0] = 0;! db at most once for each NICE command.
2 nml$gw_perm_exec_addr = 0;       ! Get executor name and address from perm
2 nml$gq_perm_exec_name_dsc [0] = 0;! db at most once for each NICE command.
2 !
2 ! Call the NPARSE facility to parse function, option, and entity
2 !
2 nml$ab_npa_blk [npa$l_msgptr] = nml$ab_rcvbuffer;  ! Add buffer address and
```

```
:  299          0297  2 nml$ab_npa_blk [npa$l_msgcnt] = .nml$gl_rcvdatlen; !  length NPARSE arguments
:  300          0298  2
:  301          0299  2 status = nma$nparse (nml$ab_npa_blk,
:  302          0300  2                        nml$npa_init); ! Use Phase III state table
:  303          0301  2 RETURN .status
:  304          0302  2
:  305          0303  1 END;                            ! End of NML$PARSE_INIT

                                                                .TITLE  NML$PARINI NML initial message parsing module
                                                                .IDENT  \V04-000\

                                                                .PSECT  $PLIT$,NOWRT,NOEXE,2

                     78  08  08  78  F8  F8  F8  00000 P.AAA:   .BYTE   -8, -8, -8, 120, 8, 8, 120                  ;

                                                      INVOPB_TAB=         P.AAA
                                                                .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$GB_NCP_VERSION
                                                                .EXTRN  NML$GW_PERM_EXEC_ADDR
```

```
                                                        .EXTRN  NML$GW_VOL_EXEC_ADDR
                                                        .EXTRN  NML$GQ_PERM_EXEC_NAME_DSC
                                                        .EXTRN  NML$GQ_VOL_EXEC_NAME_DSC
                                                        .EXTRN  NML$NPA_INIT, NMA$NPARSE
                                                        .EXTRN  NML$CHKEXE, NML$ERROR_1
                                                        .EXTRN  NML$ERROR_2, NML$FIX_NODE_NUM
                                                        .EXTRN  NML$GETEXEADR, NML$GETEXENAM
                                                        .EXTRN  NML$GETNODADR, NML$OPENFILE
                                                        .EXTRN  NML$SET_UP_EXEC_ID

                                                        .PSECT  $CODE$,NOWRT,2

                                   0004 00000           .ENTRY  NML$PARSE_INIT, Save R2                                  ; 0241
               52 00000000G   00     9E 00002           MOVAB   NML$AB_NPA_BLK+8, R2                                     ;
                  00000000G   00     D4 00009           CLRL    NML$GL_PRMCODE                                           ; 0285
                  00000000G   00     D4 0000F           CLRL    NML$GL_PRS_FLGS                                          ; 0286
                  00000000G   00     B4 00015           CLRW    NML$GW_PRMDESCNT                                         ; 0287
                  00000000G   00     D4 0001B           CLRL    NML$GL_NML_ENTITY                                        ; 0288
                  00000000G   00     B4 00021           CLRW    NML$GW_VOL_EXEC_ADDR                                     ; 0289
                  00000000G   00     D4 00027           CLRL    NML$GQ_VOL_EXEC_NAME_DSC                                 ; 0290
                  00000000G   00     B4 0002D           CLRW    NML$GW_PERM_EXEC_ADDR                                    ; 0291
                  00000000G   00     D4 00033           CLRL    NML$GQ_PERM_EXEC_NAME_DSC                                ; 0292
               62 00000000G   00     9E 00039           MOVAB   NML$AB_RCVBUFFER, NML$AB_NPA_BLK+8                       ; 0296
          FC   A2 00000000G   00     D0 00040           MOVL    NML$GL_RCVDATLEN, NML$AB_NPA_BLK+4                       ; 0297
                  00000000G   00     9F 00048           PUSHAB  NML$NPA_INIT                                             ; 0299
                         F8   A2     9F 0004E           PUSHAB  NML$AB_NPA_BLK                                           ;
        00000000G   00               02 FB 00051        CALLS   #2, NMA$NPARSE                                           ;
                                     04 00058           RET                                                              ; 0303

; Routine Size:  89 bytes,    Routine Base:  $CODE$ + 0000
```

```
0304  1 %SBTTL 'NML$PRSFNC  Store function code (action routine)'
0305  1 GLOBAL ROUTINE NML$PRSFNC =
0306  1
0307  1 !++
0308  1 ! FUNCTIONAL DESCRIPTION:
0309  1 !
0310  1 !       Parse and store the function code from the NICE command message.
0311  1 !
0312  1 ! FORMAL PARAMETERS:
0313  1 !
0314  1 !       NONE
0315  1 !
0316  1 ! IMPLICIT INPUTS:
0317  1 !
0318  1 !       NONE
0319  1 !
0320  1 ! IMPLICIT OUTPUTS:
0321  1 !
0322  1 !       NML$GB_FUNCTION contains the function code.
0323  1 !
0324  1 ! ROUTINE VALUE:
0325  1 ! COMPLETION CODES:
0326  1 !       If Phase III NCP and not a read function, returns NML$_STS_FUN.
0327  1 !       Otherwise, returns success (NML$_STS_SUC)
0328  1 !
0329  1 ! SIDE EFFECTS:
0330  1 !
0331  1 !       NONE
0332  1 !
0333  1 !--
0334  1
0335  2 BEGIN
0336  2
0337  2 $NPA_ARGDEF;                          ! Define NPARSE block reference
0338  2
0339  2 nml$gb_function = .nparse_block [npa$b_byte]; ! Set function
0340  2 RETURN nml$_sts_suc
0341  2
0342  1 END;                                  ! End of NML$PRSFNC




                                   0000 00000         .ENTRY  NML$PRSFNC, Save nothing                        ; 0305
         00000000G  00       18  AC  90 00002         MOVB    24(NPARSE_BLOCK), NML$GB_FUNCTION               ; 0339
                    50           01  D0 0000A         MOVL    #1, R0                                          ; 0340
                                     04 0000D         RET                                                     ; 0342

; Routine Size:  14 bytes,    Routine Base:  $CODE$ + 0059
```

```
1 %SBTTL 'NML$PRSOPT  Check and store option byte (action routine)'
1 GLOBAL ROUTINE NML$PRSOPT =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       Parse and store the options byte from the NICE command message.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GB_OPTIONS contains the option byte.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       NONE
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NONE
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 LOCAL
2     invbits   : BYTE,                 ! Invalid option bit temporary
2     tab_index : SIGNED BYTE,          ! Invalid bit mask table index
2     addr,
2     status;
2 !
2 ! Check NICE message options
2 !
2 nml$gb_options = .nparse_block [npa$b_byte]; ! Save entire option byte
2 tab_index = .nml$gb_function;     ! Get function code for table index
2 tab_index = .tab_index - 15;      ! Normalize the table index
2
3 IF (.tab_index GEQ 0)
2     AND (.tab_index LSS funcnt) THEN     ! Range check
3     BEGIN
3     invbits = .invopb_tab [.tab_index] AND .nml$gb_options; ! Mask
3     IF .invbits EQLU 0 THEN
3         status = nml$_sts_suc            ! No invalid bits
3     ELSE
3         status = nml$_sts_fun            ! Unrecognized option
3     END
2 ELSE
```

```
;   404          0400  2         status = nml$_sts_mpr;                  ! State table error
;   405          0401  2  !
;   406          0402  2  ! Most NCP commands need the executor node's address and/or name at some
;   407          0403  2  ! point.  Therefore, get it now, and set up globals containing either the
;   408          0404  2  ! volatile or the permanent database executor address.
;   409          0405  2  !
;   410          0406  2  IF .status THEN
;   411          0407  2      nml$set_up_exec_id (addr);
;   412          0408  2  RETURN .status;
;   413          0409  1  END;                                ! End of NML$PRSOPT



                                           000C 00000             .ENTRY  NML$PRSOPT, Save R2,R3                          ; 0344
                        53 00000000G  00   9E 00002             MOVAB   NML$GB_OPTIONS, R3                                  ;
                        5E            04   C2 00009             SUBL2   #4, SP                                              ;
                        63       18   AC   90 0000C             MOVB    24(NPARSE_BLOCK), NML$GB_OPTIONS                    ; 0386
                        50 00000000G  00   90 00010             MOVB    NML$GB_FUNCTION, TAB_INDEX                          ; 0387
                        50            0F   82 00017             SUBB2   #15, TAB_INDEX                                      ; 0388
                        50            50   98 0001A             CVTBL   TAB_INDEX, R0                                       ; 0390
                                      1D   19 0001D             BLSS    2$                                                  ;
                        07            50   91 0001F             CMPB    R0, #7                                              ; 0391
                                      18   18 00022             BGEQ    2$                                                  ;
                        52            63   92 00024             MCOMB   NML$GB_OPTIONS, R2                                  ; 0393
               51 00000000'0040       52   8B 00027             BICB3   R2, INVOPB_TAB[R0], INVBITS                         ;
                                      05   12 00030             BNEQ    1$                                                  ; 0394
                        52            01   D0 00032             MOVL    #1, STATUS                                          ; 0395
                                      08   11 00035             BRB     3$                                                  ;
                        52            02   CE 00037  1$:        MNEGL   #2, STATUS                                          ; 0397
                                      03   11 0003A             BRB     3$                                                  ; 0394
                        52            0A   CE 0003C  2$:        MNEGL   #10, STATUS                                         ; 0400
                        09            52   E9 0003F  3$:        BLBC    STATUS, 4$                                          ; 0406
                                      5E   DD 00042             PUSHL   SP                                                  ; 0407
                  00000000G  00       01   FB 00044             CALLS   #1, NML$SET_UP_EXEC_ID                              ;
                        50            52   D0 0004B  4$:        MOVL    STATUS, R0                                          ; 0408
                                           04 0004E             RET                                                         ; 0409

; Routine Size:  79 bytes,    Routine Base:  $CODE$ + 0067
;   415       0410  1 %SBTTL 'NML$PRSOP2  Store Phase II option code (action routine)'
;   416       0411  1 GLOBAL ROUTINE NML$PRSOP2 =
;   417       0412  1
;   418       0413  1 !++
;   419       0414  1 ! FUNCTIONAL DESCRIPTION:
;   420       0415  1 !
;   421       0416  1 !       Parse and store the options byte from the Phase II NICE command
;   422       0417  1 !       message.
;   423       0418  1 !
;   424       0419  1 ! FORMAL PARAMETERS:
;   425       0420  1 !
;   426       0421  1 !       NONE
;   427       0422  1 !
;   428       0423  1 ! IMPLICIT INPUTS:
;   429       0424  1 !
;   430       0425  1 !       NONE
;   431       0426  1 !
;   432       0427  1 ! IMPLICIT OUTPUTS:
;   433       0428  1 !
;   434       0429  1 !       NML$GB_OPTIONS contains the option byte.
;   435       0430  1 !
;   436       0431  1 ! ROUTINE VALUE:
;   437       0432  1 ! COMPLETION CODES:
;   438       0433  1 !
;   439       0434  1 !       Always returns success (NML$_STS_SUC).
;   440       0435  1 !
;   441       0436  1 ! SIDE EFFECTS:
;   442       0437  1 !
;   443       0438  1 !       NONE
;   444       0439  1 !
;   445       0440  1 !--
;   446       0441  1
;   447       0442  2 BEGIN
;   448       0443  2
;   449       0444  2 $NPA_ARGDEF;                    ! Define NPARSE block reference
;   450       0445  2 !
;   451       0446  2 ! Save Phase II NICE message option code
;   452       0447  2 !
;   453       0448  2 nml$gb_options = .nparse_block [npa$b_byte];
;   454       0449  2
;   455       0450  2 RETURN nml$_sts_suc
;   456       0451  2
;   457       0452  1 END;                            ! End of NML$PRSOP2



                                        0000 00000         .ENTRY  NML$PRSOP2, Save nothing                    ; 0411
          00000000G  00        18  AC  90 00002         MOVB    24(NPARSE_BLOCK), NML$GB_OPTIONS            ; 0448
                     50            01  D0 0000A         MOVL    #1, R0                                      ; 0450
                                       04 0000D         RET                                                 ; 0452

; Routine Size:  14 bytes,    Routine Base:  $CODE$ + 00B6
;  459              0453  1 %SBTTL 'NML$PRSINF  Store information type code (action routine)'
;  460              0454  1 GLOBAL ROUTINE NML$PRSINF =
;  461              0455  1
;  462              0456  1 !++
;  463              0457  1 ! FUNCTIONAL DESCRIPTION:
;  464              0458  1 !
;  465              0459  1 !       This routine is a NPARSE action routine that sets the
;  466              0460  1 !       information code if the function is read information.
;  467              0461  1 !
;  468              0462  1 ! FORMAL PARAMETERS:
;  469              0463  1 !
;  470              0464  1 !       NONE
;  471              0465  1 !
;  472              0466  1 ! IMPLICIT INPUTS:
;  473              0467  1 !
;  474              0468  1 !       NPARSE_BLOCK [NPA$B_BYTE] contains the information code.
;  475              0469  1 !
;  476              0470  1 ! IMPLICIT OUTPUTS:
;  477              0471  1 !
;  478              0472  1 !       NML$GB_INFO contains the information type code.
;  479              0473  1 !
;  480              0474  1 ! ROUTINE VALUE:
;  481              0475  1 ! COMPLETION CODES:
;  482              0476  1 !
;  483              0477  1 !       Success (NML$_STS_SUC) is always returned.
;  484              0478  1 !
;  485              0479  1 ! SIDE EFFECTS:
;  486              0480  1 !
;  487              0481  1 !       NONE
;  488              0482  1 !
;  489              0483  1 !--
;  490              0484  1
;  491              0485  2 BEGIN
;  492              0486  2
;  493              0487  2 $NPA_ARGDEF;                         ! Define NPARSE block reference
;  494              0488  2 !
;  495              0489  2 ! Save the information code from the NPARSE argument block
;  496              0490  2 !
;  497              0491  2 nml$gb_info = .nparse_block [npa$b_byte];
;  498              0492  2
;  499              0493  2 RETURN nml$_sts_suc
;  500              0494  2
;  501              0495  1 END;                                 ! End of NML$PRSINF



                                            0000 00000          .ENTRY  NML$PRSINF, Save nothing                        ; 0454
                    00000000G  00       18  AC  90 00002          MOVB    24(NPARSE_BLOCK), NML$GB_INFO                   ; 0491
                               50           01  D0 0000A          MOVL    #1, R0                                          ; 0493
                                                04 0000D          RET                                                     ; 0495

; Routine Size:  14 bytes,    Routine Base:  $CODE$ + 00C4
;  503          0496  1 %SBTTL 'NML$PRSENT  Store entity type code (action routine)'
;  504          0497  1 GLOBAL ROUTINE NML$PRSENT =
;  505          0498  1
;  506          0499  1 !++
;  507          0500  1 ! FUNCTIONAL DESCRIPTION:
;  508          0501  1 !
;  509          0502  1 !       This routine is a NPARSE action routine that sets the
;  510          0503  1 !       enitity code.
;  511          0504  1 !
;  512          0505  1 ! FORMAL PARAMETERS:
;  513          0506  1 !
;  514          0507  1 !       NONE
;  515          0508  1 !
;  516          0509  1 ! IMPLICIT INPUTS:
;  517          0510  1 !
;  518          0511  1 !       NPARSE_BLOCK [NPA$B_BYTE] contains the entity code.
;  519          0512  1 !
;  520          0513  1 ! IMPLICIT OUTPUTS:
;  521          0514  1 !
;  522          0515  1 !       NML$GB_ENTITY_CODE contains the entity code.
;  523          0516  1 !
;  524          0517  1 ! ROUTINE VALUE:
;  525          0518  1 ! COMPLETION CODES:
;  526          0519  1 !
;  527          0520  1 !       Success (NML$_STS_SUC) is always returned.
;  528          0521  1 !
;  529          0522  1 ! SIDE EFFECTS:
;  530          0523  1 !
;  531          0524  1 !       NONE
;  532          0525  1 !
;  533          0526  1 !--
;  534          0527  1
;  535          0528  2 BEGIN
;  536          0529  2
;  537          0530  2 $NPA_ARGDEF;                      ! Define NPARSE block reference
;  538          0531  2 !
;  539          0532  2 ! Save the entity code from the NPARSE argument block
;  540          0533  2 !
;  541          0534  2 nml$gb_entity_code = .nparse_block [npa$b_byte];
;  542          0535  2 RETURN nml$_sts_suc
;  543          0536  2
;  544          0537  1 END;                              ! End of NML$PRSENT



                                         0000 00000           .ENTRY  NML$PRSENT, Save nothing                    ; 0497
                   00000000G  00      18  AC  90 00002        MOVB    24(NPARSE_BLOCK), NML$GB_ENTITY_CODE        ; 0534
                              50          01  D0 0000A        MOVL    #1, R0                                      ; 0535
                                              04 0000D        RET                                                 ; 0537

; Routine Size:  14 bytes,    Routine Base:  $CODE$ + 00D2


;  545          0538  1
```

```
1 %SBTTL 'NML$PRSIDLEQ  Store entity format code if plural entity'
1 GLOBAL ROUTINE NML$PRSIDLEQ =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is an action routine called while parsing a NICE command.  It
1 !       saves the entity format code if it is plural (KNOWN, ACTIVE, ADJACENT,
1 !       etc.)
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] points to the entity format code.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       The main entity format code is saved in NML$GB_ENTITY_FORMAT.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       Success (NML$_STS_SUC) is returned if code specifies a plural
1 !       entity.  If the entity format byte specifies a single entity,
1 !       unrecognized component error (NML$_STS_CMP) is returned.
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NPARSE state table transition is rejected if error is returned.
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 LOCAL
2     temp : SIGNED BYTE;               ! Temporary format code storage
2
2 temp = .(.nparse_block [npa$l_fldptr])<0,8>; ! Get entity format code
2 !
2 ! If the entity format byte is less than zero, then the NICE
2 ! command specifies a plural entity.
2 !
2 IF .temp LEQ 0 THEN
3     BEGIN
3     nml$gb_entity_format = .temp;                 ! Save format code
3     RETURN nml$_sts_suc
3     END
2 ELSE
2     RETURN nml$_sts_cmp               ! Return "single entity" completion.
2
1 END;                                  ! End of NML$PRSIDLEQ
```

```
                                          0000 00000          .ENTRY  NML$PRSIDLEQ, Save nothing                           ; 0540
                      50         14    BC   90 00002          MOVB    @20(NPARSE_BLOCK), TEMP                              ; 0577
                                       0B   14 00006          BGTR    1$                                                   ; 0583
          00000000G   00               50   90 00008          MOVB    TEMP, NML$GB_ENTITY_FORMAT                           ; 0585
                      50               01   D0 0000F          MOVL    #1, R0                                               ; 0589
                                            04 00012          RET                                                          ;
                      50         10    CE   00013 1$:         MNEGL   #16, R0                                              ;
                                            04 00016          RET                                                          ; 0591

; Routine Size:  23 bytes,    Routine Base:  $CODE$ + 00E0


;  600          0592  1
```

```
1 %SBTTL 'NML$PRSQUALLEQ  Store entity format code if plural entity'
1 GLOBAL ROUTINE NML$PRSQUALLEQ =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is an action routine called while parsing a NICE command with
1 !       an entity qualifier.  It saves the qualifier's format code if it
1 !       is plural (KNOWN, ACTIVE, ADJACENT, etc.)
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] points to the qualifier format code.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       The qualifier format code is saved in NML$GB_QUALIFIER_FORMAT.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       Success (NML$_STS_SUC) is returned if code specifies a plural
1 !       qualifier.  If the qualifier format byte specifies a single entity,
1 !       unrecognized component error (NML$_STS_CMP) is returned.
1 !
1 ! SIDE EFFECTS:
1 !       NPARSE state table transition is rejected if error is returned.
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 LOCAL
2     temp : SIGNED BYTE;               ! Temporary format code storage
2
2 temp = .(.nparse_block [npa$l_fldptr])<0,8>; ! Get entity format code
2
2 !
2 ! If the qualifier format byte is less than zero, then the NICE
2 ! command specifies a plural entity.  Note that a KNOWN qualifier
2 ! is the same thing as no qualifier at all.
2 !
2 IF .temp LEQ 0 THEN
3     BEGIN
3     nml$gb_qualifier_format = .temp;      ! Save format code
3     RETURN nml$_sts_suc;
3     END
2 ELSE
2     RETURN nml$_sts_cmp;                  ! Return "single entity" completion.
2
1 END;                                  ! End of NML$PRSQUALLEQ
```

```
                                    0000 00000           .ENTRY  NML$PRSQUALLEQ, Save nothing              ; 0594
                   50        14  BC   90 00002           MOVB    @20(NPARSE_BLOCK), TEMP                   ; 0630
                                 0B   14 00006           BGTR    1$                                        ; 0637
          00000000G  00          50   90 00008           MOVB    TEMP, NML$GB_QUALIFIER_FORMAT             ; 0639
                     50          01   D0 0000F           MOVL    #1, R0                                    ; 0643
                                      04 00012           RET                                               ;
                     50          10   CE 00013 1$:       MNEGL   #16, R0                                   ;
                                      04 00016           RET                                               ; 0645

; Routine Size:  23 bytes,     Routine Base:  $CODE$ + 00F7


;  655         0646  1
```

```
%SBTTL 'NML$PRSID  Store entity format code and id (action routine)'
GLOBAL ROUTINE NML$PRSID =

!++
! FUNCTIONAL DESCRIPTION:
!
!       This is a NPARSE action routine that stores the entity format code
!       a specified number of bytes of entity id or qualifier id.
!
! IMPLICIT INPUTS:
!
!       NPARSE_BLOCK [NPA$L_FLDPTR] points to entity format and id.
!       NPARSE_BLOCK [NPA$L_FLDCNT] contains length.
!
! IMPLICIT OUTPUTS:
!
!       NML$GB_ENTITY_FORMAT contains the entity format code.
!       NML$AB_ENTITY_ID contains the entity id string.
!                       or
!       NML$GB_QUALIFIER_FORMAT contains the entity qualifier's format code.
!       NML$AB_QUALIFIER_ID contains the entity qualifier's id string.
!
!--

BEGIN

$NPA_ARGDEF;                            ! Define NPARSE block reference

LOCAL
    count : SIGNED,
    cpt_index,
    cpt_entry : REF BBLOCK,
    iptr,
    optr;

count = .nparse_block [npa$l_fldcnt] - 1;       ! Get field count less format code
iptr = .nparse_block [npa$l_fldptr];    ! Get input field pointer

!
! If parsing a qualifier, save the format and compute the address of the
! Parameter Semantic Table (PST) entry for the qualifier (the CPT index
! for the parameter is put in the NPARSE block parameter by the parsing
! tables).
!
IF .nml$gl_prs_flgs [nml$v_prs_qualifier] THEN
    BEGIN
    optr = nml$ab_qualifier_id;
    nml$gb_qualifier_format = CH$RCHAR_A (iptr);        ! Store format code
    cpt_index = .nparse_block [npa$l_param];
    cpt_entry = nml$ab_cptable [.cpt_index, 0, 0, 0, 0];
    nml$gl_qualifier_pst =
                nml$ab_prmsem [.cpt_entry [cpt$w_pstindex], 0, 0, 0, 0];
    END
ELSE
    BEGIN
    optr = nml$ab_entity_id;                    ! Get pointer to entity storage
    nml$gb_entity_format = CH$RCHAR_A (iptr);   ! Store format code
```

```
;  714          0704  2     END;
;  715          0705  2
;  716          0706  2  IF .count GTR 0 THEN
;  717          0707  2     CH$COPY (.count, .iptr, 0, 4, .optr);          ! Move entity ID, making it
;  718          0708  2                                                    !          a longword.
;  719          0709  2  RETURN nml$_sts_suc
;  720          0710  2
;  721          0711  1  END;                                  ! End of NML$PRSID



                                                       003C 00000           .ENTRY  NML$PRSID, Save R2,R3,R4,R5                          ; 0648
                   53        10   AC              01   C3 00002             SUBL3   #1, 16(NPARSE_BLOCK), COUNT                          ; 0682
                                  52       14     AC   D0 00007             MOVL    20(NPARSE_BLOCK), IPTR                               ; 0683
                   31 00000000G   00              02   E1 0000B             BBC     #2, NML$GL_PRS_FLGS, 1$                              ; 0691
                                  51 00000000G    00   9E 00013             MOVAB   NML$AB_QUALIFIER_ID, OPTR                            ; 0693
                      00000000G   00              82   90 0001A             MOVB    (IPTR)+, NML$GB_QUALIFIER_FORMAT                     ; 0694
                                  50       20     AC   D0 00021             MOVL    32(NPARSE_BLOCK), CPT_INDEX                          ; 0695
                                  50              0A   C4 00025             MULL2   #10, R0                                              ; 0696
                                  50 00000000G0040     9E 00028             MOVAB   NML$AB_CPTABLE[R0], CPT_ENTRY                        ;
                                  50              60   3C 00030             MOVZWL  (CPT_ENTRY), R0                                      ; 0698
                                  50              10   C4 00033             MULL2   #16, R0                                              ;
                      00000000G   00 00000000G0040     9E 00036             MOVAB   NML$AB_PRMSEM[R0], NML$GL_QUALIFIER_PST              ;
                                                  0E   11 00042             BRB     2$                                                   ; 0691
                                  51 00000000G    00   9E 00044  1$:        MOVAB   NML$AB_ENTITY_ID, OPTR                               ; 0702
                      00000000G   00              82   90 0004B             MOVB    (IPTR)+, NML$GB_ENTITY_FORMAT                        ; 0703
                                                  53   D5 00052  2$:        TSTL    COUNT                                                ; 0706
                                                  06   15 00054             BLEQ    3$                                                   ;
        04            00          62              53   2C 00056             MOVC5   COUNT, (IPTR), #0, #4, (OPTR)                        ; 0707
                                                  61      0005B                                                                          ;
                                  50              01   D0 0005C  3$:        MOVL    #1, R0                                               ; 0709
                                                       04 0005F             RET                                                          ; 0711

; Routine Size:  96 bytes,    Routine Base:  $CODE$ + 010E


;  722          0712  1
```

```
1 %SBTTL 'NML$PRSIDN  Store singular entity length and name (action routine)'
1 GLOBAL ROUTINE NML$PRSIDN =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is an action routine called while parsing a NICE command if the
1 !       command specifies a singular entity (e.g. LINE DMC-0).  It saves
1 !       the entity length (in entity format code field) and the number of
1 !       bytes of entity id (up to 16).
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] contains the pointer to the entity
1 !           format code and id string.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
1 !       NML$AB_ENTITY_ID contains the entity id string.
1 !               or
1 !       NML$GB_QUALIFIER_FORMAT contains the entity qualifier's length.
1 !       NML$AB_QUALIFIER_ID contains the entity qualifier's id string.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       NML$_STS_SUC
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 LOCAL
2     cpt_index,
2     cpt_entry : REF BBLOCK,
2     iptr,
2     optr,
2     length;
2
2 iptr = .nparse_block [npa$l_fldptr];     ! Get input field pointer
2 length = ch$rchar_a (iptr);              ! Save entity length
2 !
2 ! Some NICE commands specify qualifiers to the entity.  Save the qualifier
2 ! format separately from the main entity's.  Also, use the NPARSE block
2 ! parameter, which was set to the parameter's CPT index by the parsing
2 ! table, to compute the parameter's Parameter Semantic Table (PST) entry
2 ! address.
2 !
2 IF .nml$gl_prs_flgs [nml$v_prs_qualifier] THEN
3     BEGIN
3     nml$gb_qualifier_format = .length;
3     optr = nml$ab_qualifier_id;
3     cpt_index = .nparse_block [npa$l_param];
3     cpt_entry = nml$ab_cptable [.cpt_index, 0, 0, 0, 0];
```

```
;   781         0770 3          nml$gl_qualifier_pst =
;   782         0771 3                      nml$ab_prmsem [.cpt_entry [cpt$w_pstindex], 0, 0, 0, 0];
;   783         0772 3          END
;   784         0773 2      ELSE
;   785         0774 3          BEGIN
;   786         0775 3          nml$gb_entity_format = .length;      ! Save format code
;   787         0776 3          optr = nml$ab_entity_id;             ! Get entity id storage pointer
;   788         0777 2          END;
;   789         0778 2      CH$MOVE (.length,
;   790         0779 2               .iptr,
;   791         0780 2               .optr);                         ! Move entity id
;   792         0781 2
;   793         0782 2      RETURN nml$_sts_suc
;   794         0783 2
;   795         0784 1      END;                                ! End of NML$PRSIDN



                                          003C 00000             .ENTRY  NML$PRSIDN, Save R2,R3,R4,R5                   ; 0714
                   53         14     AC     D0 00002             MOVL    20(NPARSE_BLOCK), IPTR                         ; 0755
                   51                83     9A 00006             MOVZBL  (IPTR)+, LENGTH                                ; 0756
     31 00000000G  00                02     E1 00009             BBC     #2, NML$GL_PRS_FLGS, 1$                        ; 0764
        00000000G  00                51     90 00011             MOVB    LENGTH, NML$GB_QUALIFIER_FORMAT                ; 0766
                   52 00000000G      00     9E 00018             MOVAB   NML$AB_QUALIFIER_ID, OPTR                      ; 0767
                   50         20     AC     D0 0001F             MOVL    32(NPARSE_BLOCK), CPT_INDEX                    ; 0768
                   50                0A     C4 00023             MULL2   #10, R0                                        ; 0769
                   50 00000000G0040         9E 00026             MOVAB   NML$AB_CPTABLE[R0], CPT_ENTRY                  ;
                   50                60     3C 0002E             MOVZWL  (CPT_ENTRY), R0                                ; 0771
                   50                10     C4 00031             MULL2   #16, R0                                        ;
        00000000G  00 00000000G0040         9E 00034             MOVAB   NML$AB_PRMSEM[R0], NML$GL_QUALIFIER_PST        ;
                                     0E     11 00040             BRB     2$                                             ; 0764
        00000000G  00                51     90 00042 1$:         MOVB    LENGTH, NML$GB_ENTITY_FORMAT                   ; 0775
                   52 00000000G      00     9E 00049             MOVAB   NML$AB_ENTITY_ID, OPTR                         ; 0776
     62            63                51     28 00050 2$:         MOVC3   LENGTH, (IPTR), (OPTR)                         ; 0780
                   50                01     D0 00054             MOVL    #1, R0                                         ; 0782
                                            04 00057             RET                                                    ; 0784

; Routine Size:  88 bytes,    Routine Base:  $CODE$ + 016E
```

```
1 %SBTTL 'NML$PRSNODNAM  Check node name against executor (action routine)'
1 GLOBAL ROUTINE NML$PRSNODNAM =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is a NPARSE action that checks the node name against the
1 !       the name of the executor node name.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] contains the pointer to the entity
1 !           format code and id string.
1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
1 !       NML$AB_ENTITY_ID contains the entity id string.
1 !       NML$GL_NML_ENTITY is set to NML$C_EXECUTOR if this is the executor
1 !       node.
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                            ! Define NPARSE block reference
2
2 BUILTIN
2     CALLG;
2
2 MAP
2     nml$gb_options : BBLOCK [1];
2
2 LOCAL
2     namptr,
2     namlen,
2     exenambuf : VECTOR [6, BYTE],
2     exenamdsc : DESCRIPTOR,
2     exenamlen,
2     status;
2
2 exenamdsc [dsc$w_length] = 6;
2 exenamdsc [dsc$a_pointer] = exenambuf;
2
2 namptr = .nparse_block [npa$l_fldptr] + 1;
2 namlen = .nparse_block [npa$l_fldcnt] - 1;
2 !
2 ! If the node name in the NICE command matches the executor node name
2 ! then set the internal NML entity type to executor.
2 !
2 IF nml$chkexe (nma$c_pcno_nna, 0, .namlen, .namptr) THEN
2     nml$gl_nml_entity = nml$c_executor;
```

```
;  854          0842  2 !
;  855          0843  2 ! Parse the node id normally.
;  856          0844  2 !
;  857          0845  2 CALLG (.nparse_block, nml$prsidn);
;  858          0846  2 RETURN nml$_sts_suc
;  859          0847  2
;  860          0848  1 END;                                    ! End of nml$prsnodnam



                                              0000 00000           .ENTRY   NML$PRSNODNAM, Save nothing                         ; 0786
                           5E             10   C2 00002           SUBL2    #16, SP
                           6E             06   B0 00005           MOVW     #6, EXENAMDSC                                       ; 0831
                      04   AE       08    AE   9E 00008           MOVAB    EXENAMBUF, EXENAMDSC+4                              ; 0832
               51     14   AC             01   C1 0000D           ADDL3    #1, 20(NPARSE_BLOCK), NAMPTR                        ; 0834
               50     10   AC             01   C3 00012           SUBL3    #1, 16(NPARSE_BLOCK), NAMLEN                        ; 0835
                                          03   BB 00017           PUSHR    #^M<R0,R1>                                          ; 0840
                                          7E   D4 00019           CLRL     -(SP)                                               ;
                           7E     01F4    8F   3C 0001B           MOVZWL   #500, -(SP)                                         ;
                  00000000G   00          04   FB 00020           CALLS    #4, NML$CHKEXE                                      ;
                              07          50   E9 00027           BLBC     R0, 1$                                              ;
                  00000000G   00          07   D0 0002A           MOVL     #7, NML$GL_NML_ENTITY                               ; 0841
                       FF72   CF          6C   FA 00031 1$:       CALLG    (NPARSE_BLOCK), NML$PRSIDN                          ; 0845
                              50          01   D0 00036           MOVL     #1, R0                                              ; 0846
                                               04 00039           RET                                                          ; 0848

; Routine Size:  58 bytes,    Routine Base:  $CODE$ + 01C6
;  862   0849  1 %SBTTL 'NML$PRS_NODE_NUM_ENTITY  Check node address against executor (action routine)'
;  863   0850  1 GLOBAL ROUTINE NML$PRS_NODE_NUM_ENTITY =
;  864   0851  1
;  865   0852  1 !++
;  866   0853  1 ! FUNCTIONAL DESCRIPTION:
;  867   0854  1 !
;  868   0855  1 !       This is a NPARSE action that checks the node address against the
;  869   0856  1 !       node address of the executor node and then stores it.
;  870   0857  1 !
;  871   0858  1 ! FORMAL PARAMETERS:
;  872   0859  1 !
;  873   0860  1 !       NONE
;  874   0861  1 !
;  875   0862  1 ! IMPLICIT INPUTS:
;  876   0863  1 !
;  877   0864  1 !       NPARSE_BLOCK [NPA$L_FLDPTR] contains the pointer to the entity
;  878   0865  1 !           format code and id string.
;  879   0866  1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
;  880   0867  1 !
;  881   0868  1 ! IMPLICIT OUTPUTS:
;  882   0869  1 !
;  883   0870  1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;  884   0871  1 !       NML$AB_ENTITY_ID contains the entity id string.
;  885   0872  1 !       NML$GL_NML_ENTITY is set to NML$C_EXECUTOR if this is the executor
;  886   0873  1 !       node.
;  887   0874  1 !
;  888   0875  1 !--
;  889   0876  1
;  890   0877  2 BEGIN
;  891   0878  2
;  892   0879  2 $npa_argdef;                        ! Define NPARSE block reference
;  893   0880  2
;  894   0881  2 BUILTIN
;  895   0882  2     CALLG;
;  896   0883  2
;  897   0884  2 MAP
;  898   0885  2     nml$gb_options : BBLOCK [1];
;  899   0886  2
;  900   0887  2 BIND
;  901   0888  2     addr = (.nparse_block [npa$l_fldptr]+1)<0,16> : BBLOCK [2];
;  902   0889  2
;  903   0890  2 nml$fix_node_num (addr);
;  904   0891  2 !
;  905   0892  2 ! If the node address in the NICE command matches the executor node
;  906   0893  2 ! address then set the flag to indicate it.
;  907   0894  2 !
;  908   0895  2 IF nml$chkexe (nma$c_pcno_add, .addr, 0, 0) THEN
;  909   0896  2     nml$gl_nml_entity = nml$c_executor;
;  910   0897  2 !
;  911   0898  2 ! Parse the node id normally.
;  912   0899  2 !
;  913   0900  2 CALLG (.nparse_block, nml$prsid);
;  914   0901  2 RETURN nml$_sts_suc
;  915   0902  2
;  916   0903  1 END;                                ! End of NML$PRS_NODE_NUM_ENTITY
```

```
                                        0004 00000          .ENTRY  NML$PRS_NODE_NUM_ENTITY, Save R2                  ; 0850
            52        14   AC         01   C1 00002          ADDL3   #1, 20(NPARSE_BLOCK), R2                          ; 0888
                                      52   DD 00007          PUSHL   R2                                                ; 0890
               00000000G   00         01   FB 00009          CALLS   #1, NML$FIX_NODE_NUM                              ;
                                      7E   7C 00010          CLRQ    -(SP)                                             ; 0895
                                      62   DD 00012          PUSHL   (R2)                                              ;
                           7E   01F6  8F   3C 00014          MOVZWL  #502, -(SP)                                       ;
               00000000G   00         04   FB 00019          CALLS   #4, NML$CHKEXE                                    ;
                           07         50   E9 00020          BLBC    R0, 1$                                            ;
               00000000G   00         07   D0 00023          MOVL    #7, NML$GL_NML_ENTITY                             ; 0896
                    FEDF   CF         6C   FA 0002A 1$:      CALLG   (NPARSE_BLOCK), NML$PRSID                         ; 0900
                           50         01   D0 0002F          MOVL    #1, R0                                            ; 0901
                                           04 00032          RET                                                       ; 0903

; Routine Size:  51 bytes,     Routine Base:  $CODE$ + 0200
;  918          0904   1 %SBTTL 'NML$PRS_NODE_NUM         Check node address (action routine)'
;  919          0905   1 GLOBAL ROUTINE NML$PRS_NODE_NUM =
;  920          0906   1
;  921          0907   1 !++
;  922          0908   1 ! FUNCTIONAL DESCRIPTION:
;  923          0909   1 !
;  924          0910   1 !       This is a NPARSE action that checks a node address parameter
;  925          0911   1 !       and fixes up the area number (if necessary) and then stores it.
;  926          0912   1 !
;  927          0913   1 ! FORMAL PARAMETERS:
;  928          0914   1 !
;  929          0915   1 !       NONE
;  930          0916   1 !
;  931          0917   1 ! IMPLICIT INPUTS:
;  932          0918   1 !
;  933          0919   1 !       NPARSE_BLOCK [NPA$L_FLDPTR] contains the pointer to the entity
;  934          0920   1 !           format code and id string.
;  935          0921   1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
;  936          0922   1 !
;  937          0923   1 ! IMPLICIT OUTPUTS:
;  938          0924   1 !
;  939          0925   1 !       NML$GB_ENTITY_FORMAT contains the entity format code.
;  940          0926   1 !       NML$AB_ENTITY_ID contains the entity id string.
;  941          0927   1 !       NML$GL_NML_ENTITY is set to NML$C_EXECUTOR if this is the executor
;  942          0928   1 !       node.
;  943          0929   1 !
;  944          0930   1 !--
;  945          0931   1
;  946          0932   2 BEGIN
;  947          0933   2
;  948          0934   2 $npa_argdef;                          ! Define NPARSE block reference
;  949          0935   2
;  950          0936   2 BUILTIN
;  951          0937   2     CALLG;
;  952          0938   2
;  953          0939   2 BIND
;  954          0940   2     addr = (.nparse_block [npa$l_fldptr]+1)<0,16> : BBLOCK [2];
;  955          0941   2 !
;  956          0942   2 ! Parse the node id normally.
;  957          0943   2 !
;  958          0944   2 nml$fix_node_num (addr);
;  959          0945   2 CALLG (.nparse_block, nml$prsid);
;  960          0946   2 RETURN nml$_sts_suc
;  961          0947   2
;  962          0948   1 END;                                  ! End of NML$PRS_NODE_NUM



                                          0000 00000          .ENTRY  NML$PRS_NODE_NUM, Save nothing                    ; 0905
               50        14   AC      01   C1 00002          ADDL3   #1, 20(NPARSE_BLOCK), R0                          ; 0940
                                      50   DD 00007          PUSHL   R0                                                ; 0944
                  00000000G   00      01   FB 00009          CALLS   #1, NML$FIX_NODE_NUM                              ;
                       FEC6   CF      6C   FA 00010          CALLG   (NPARSE_BLOCK), NML$PRSID                         ; 0945
                              50      01   D0 00015          MOVL    #1, R0                                            ; 0946
                                           04 00018          RET                                                       ; 0948
```

```
; Routine Size:  25 bytes,    Routine Base:  $CODE$ + 0233
```

```
1 %SBTTL 'NML$PRS_MODULE  Check for specified module'
1 GLOBAL ROUTINE NML$PRS_MODULE =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !       This routine is called during parsing of the module entity id in
1 !       a NICE message.  It's function is to determine the NML internal
1 !       entity code from the module string.  It also saves the module
1 !       id in NML$AB_ENTITY_ID.
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK (pointed to by AP) contains the parsed parameter data.
1 !               NPA$L_FLDCNT is the parameter length.
1 !               NPA$L_FLDPTR is a pointer to the parameter in the received
1 !                       message buffer.
1 !               NPA$L_PARAM is the module type to check for.
1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
1 !
1 ! IMPLICIT OUTPUTS:
1 !       NML$GL_NML_ENTITY = the internal NML entity ID of the module.
1 !       NML$AB_ENTITY_ID = the module id string
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       NML$_STS_SUC - the module string corresponds to the one the parsing
1 !               tables currently seek.
1 !       failure - the module string doesn't correspond to the internal
1 !               entity code passed by the parsing tables.
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;
2
2 BUILTIN
2     CALLG;
2
2 LOCAL
2     iptr,
2     length,
2     status;
2
2 status = 0;
2 iptr = .nparse_block [npa$l_fldptr];
2 length = ch$rchar_a (iptr);                   ! Save entity length
2 SELECTONEU .nparse_block [npa$l_param] OF
2     SET
2     [nml$c_x25_access]:
2         status = CH$EQL (.length,
2                         .iptr,
2                         10,
2                         UPLIT (%ASCII 'X25-ACCESS'));
2     [nml$c_protocol]:
2         status = CH$EQL (.length,
; 1021        1006  2                             .iptr,
; 1022        1007  2                             12,
; 1023        1008  2                             UPLIT (%ASCII 'X25-PROTOCOL'));
; 1024        1009  2             [nml$c_x25_serv]:
; 1025        1010  2                 status = CH$EQL (.length,
; 1026        1011  2                             .iptr,
; 1027        1012  2                             10,
; 1028        1013  2                             UPLIT (%ASCII 'X25-SERVER'));
; 1029        1014  2             [nml$c_trace]:
; 1030        1015  2                 status = CH$EQL (.length,
; 1031        1016  2                             .iptr,
; 1032        1017  2                             9,
; 1033        1018  2                             UPLIT (%ASCII 'X25-TRACE'));
; 1034        1019  2             [nml$c_x29_serv]:
; 1035        1020  2                 status = CH$EQL (.length,
; 1036        1021  2                             .iptr,
; 1037        1022  2                             10,
; 1038        1023  2                             UPLIT (%ASCII 'X29-SERVER'));
; 1039        1024  2             [nml$c_ni_config]:
; 1040        1025  3                 BEGIN
; 1041        1026  3                 status = CH$EQL (.length,
; 1042        1027  3                             .iptr,
; 1043        1028  3                             12,
; 1044        1029  3                             UPLIT (%ASCII 'CONFIGURATOR'));
; 1045        1030  2                 END;
; 1046        1031  2             TES;
; 1047        1032  2     !
; 1048        1033  2     ! If the parse tables are checking for the module type in the NICE
; 1049        1034  2     ! message, save the module name.
; 1050        1035  2     !
; 1051        1036  2     IF .status THEN
; 1052        1037  2         CALLG (.nparse_block, nml$prsidn);
; 1053        1038  2     RETURN .status;
; 1054        1039  1     END;                                ! End of NML$PRS_MODULE


                                                                     .PSECT  $PLIT$,NOWRT,NOEXE,2

                                                    00007            .BLKB   1
      00  00  53  53  45  43  43  41  2D  35  32  58  00008 P.AAB:   .ASCII  \X25-ACCESS\<0><0>                                  ;
      4C  4F  43  4F  54  4F  52  50  2D  35  32  58  00014 P.AAC:   .ASCII  \X25-PROTOCOL\                                      ;
      00  00  52  45  56  52  45  53  2D  35  32  58  00020 P.AAD:   .ASCII  \X25-SERVER\<0><0>                                  ;
      00  00  00  45  43  41  52  54  2D  35  32  58  0002C P.AAE:   .ASCII  \X25-TRACE\<0><0><0>                                ;
      00  00  52  45  56  52  45  53  2D  39  32  58  00038 P.AAF:   .ASCII  \X29-SERVER\<0><0>                                  ;
      52  4F  54  41  52  55  47  49  46  4E  4F  43  00044 P.AAG:   .ASCII  \CONFIGURATOR\                                      ;


                                                                     .PSECT  $CODE$,NOWRT,2

                                              01FC  00000            .ENTRY  NML$PRS_MODULE, Save R2,R3,R4,R5,R6,R7,R8    ; 0950
                          58 00000000'    00   9E  00002            MOVAB   P.AAB, R8                                     ;
                                          56   D4  00009            CLRL    STATUS                                        ; 0994
                          57        14    AC   D0  0000B            MOVL    20(NPARSE_BLOCK), IPTR                        ; 0995
                          55              87   9A  0000F            MOVZBL  (IPTR)+, LENGTH                               ; 0996
                          50        20    AC   D0  00012            MOVL    32(NPARSE_BLOCK), R0                          ; 0997
```

```
                                   0D          50  D1 00016          CMPL    R0, #13                                  ; 0999
                                               0A  12 00019          BNEQ    1$                                       ;
                                               54  D4 0001B          CLRL    R4                                       ; 1000
        0A          00             67          55  2D 0001D          CMPC5   LENGTH, (IPTR), #0, #10, P.AAB           ;
                                               68     00022                                                           ;
                                               2E  11 00023          BRB     4$                                       ;
                                   19          50  D1 00025  1$:     CMPL    R0, #25                                  ; 1004
                                               0B  12 00028          BNEQ    2$                                       ;
                                               54  D4 0002A          CLRL    R4                                       ; 1005
        0C          00             67          55  2D 0002C          CMPC5   LENGTH, (IPTR), #0, #12, P.AAC           ;
                                         0C    A8     00031                                                           ;
                                               1E  11 00033          BRB     4$                                       ;
                                   11          50  D1 00035  2$:     CMPL    R0, #17                                  ; 1009
                                               0B  12 00038          BNEQ    3$                                       ;
                                               54  D4 0003A          CLRL    R4                                       ; 1010
        0A          00             67          55  2D 0003C          CMPC5   LENGTH, (IPTR), #0, #10, P.AAD           ;
                                         18    A8     00041                                                           ;
                                               0E  11 00043          BRB     4$                                       ;
                                   13          50  D1 00045  3$:     CMPL    R0, #19                                  ; 1014
                                               0D  12 00048          BNEQ    5$                                       ;
                                               54  D4 0004A          CLRL    R4                                       ; 1015
        09          00             67          55  2D 0004C          CMPC5   LENGTH, (IPTR), #0, #9, P.AAE            ;
                                         24    A8     00051                                                           ;
                                               22  13 00053  4$:     BEQL    8$                                       ;
                                               22  11 00055          BRB     9$                                       ;
                                   15          50  D1 00057  5$:     CMPL    R0, #21                                  ; 1019
                                               0B  12 0005A          BNEQ    6$                                       ;
                                               54  D4 0005C          CLRL    R4                                       ; 1020
        0A          00             67          55  2D 0005E          CMPC5   LENGTH, (IPTR), #0, #10, P.AAF           ;
                                         30    A8     00063                                                           ;
                                               0E  11 00065          BRB     7$                                       ;
                                   17          50  D1 00067  6$:     CMPL    R0, #23                                  ; 1024
                                               10  12 0006A          BNEQ    10$                                      ;
                                               54  D4 0006C          CLRL    R4                                       ; 1026
        0C          00             67          55  2D 0006E          CMPC5   LENGTH, (IPTR), #0, #12, P.AAG           ;
                                         3C    A8     00073                                                           ;
                                               02  12 00075  7$:     BNEQ    9$                                       ;
                                               54  D6 00077  8$:     INCL    R4                                       ;
                                   56          54  D0 00079  9$:     MOVL    R4, STATUS                               ;
                                   05          56  E9 0007C  10$:    BLBC    STATUS, 11$                              ; 1036
                         FE9E      CF          6C  FA 0007F          CALLG   (NPARSE_BLOCK), NML$PRSIDN               ; 1037
                                   50          56  D0 00084  11$:    MOVL    STATUS, R0                               ; 1038
                                                   04 00087          RET                                              ; 1039

; Routine Size:  136 bytes,    Routine Base:  $CODE$ + 024C
; 1056          1040  1 %SBTTL 'NML$PRS_ACTIVE_NET  Store network format code and id (action routine)'
; 1057          1041  1 GLOBAL ROUTINE NML$PRS_ACTIVE_NET  =
; 1058          1042  1
; 1059          1043  1 !++
; 1060          1044  1 ! FUNCTIONAL DESCRIPTION:
; 1061          1045  1 !       This is a NPARSE action routine that is called when parsing a NICE
; 1062          1046  1 !       command with an X25-Protocol network entity.  It saves a default
; 1063          1047  1 !       network entity of "active network".  This is here in anticipation
; 1064          1048  1 !       of multinetwork support.
; 1065          1049  1 !
; 1066          1050  1 ! IMPLICIT OUTPUTS:
; 1067          1051  1 !
; 1068          1052  1 !       NML$GB_ENTITY_FORMAT contains NMA$C_ENT_ACT (active).
; 1069          1053  1 !--
; 1070          1054  1
; 1071          1055  2 BEGIN
; 1072          1056  2
; 1073          1057  2 !
; 1074          1058  2 ! Use a zero length string to indicate "Active network".
; 1075          1059  2 !
; 1076          1060  2 nml$gb_entity_format = 0;
; 1077          1061  2 nml$ab_entity_id = 0;
; 1078          1062  2
; 1079          1063  2 RETURN nml$_sts_suc
; 1080          1064  2
; 1081          1065  1 END;                               ! End of NML$PRS_ACTIVE_NET



                                        0000 00000          .ENTRY  NML$PRS_ACTIVE_NET, Save nothing                 ; 1041
                          00000000G  00  94 00002          CLRB    NML$GB_ENTITY_FORMAT                             ; 1060
                          00000000G  00  D4 00008          CLRL    NML$AB_ENTITY_ID                                 ; 1061
                    50               01  D0 0000E          MOVL    #1, R0                                           ; 1063
                                         04 00011          RET                                                      ; 1065

; Routine Size:  18 bytes,    Routine Base:  $CODE$ + 02D4
```

```
1 %SBTTL 'NML$PRSSNKNNA  Parse sink node name'
1 GLOBAL ROUTINE NML$PRSSNKNNA =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is a NPARSE action that parses the sink node name.
1 !       The corresponding address is retrieved and saved for use.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] contains the address of the node name.
1 !       NPARSE_BLOCK [NPA$L_FLDCNT] contains the length of the counted node
1 !               name string (including the count byte).
1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GL_PRS_FLGS [NML$V_PRS_EXESNK] is set if this is the executor
1 !       node.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       NONE
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NONE
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 MAP
2     nml$gb_options        : BBLOCK [1];
2
2 LOCAL
2     addr : WORD,
2     namptr,
2     namlen;
2
2 !
2 ! Open the node data base file (in case it's a permanent operation).
2 !
2 IF .nml$gb_options [nma$v_opt_per] THEN
2     nml$openfile (nma$c_opn_node, nma$c_opn_ac_ro);
2 !
2 ! Save the event sink node address.
2 !
2 namptr = .nparse_block [npa$l_fldptr] + 1;
```

```
; 1140          1123  2 namlen = .nparse_block [npa$l_fldcnt] - 1;
; 1141          1124  2
; 1142          1125  2 IF nml$getnodadr (.namlen, .namptr, addr) THEN
; 1143          1126  2     nml$gw_evtsnkadr = .addr
; 1144          1127  2 ELSE
; 1145          1128  2     nml$error_2 (nma$c_sts_ide, nma$c_ent_nod);
; 1146          1129  2 !
; 1147          1130  2 ! If the address matches the executor node address then set the flag
; 1148          1131  2 ! to indicate the executor sink node.
; 1149          1132  2 !
; 1150          1133  2 IF nml$chkexe (nma$c_pcno_add, .addr, 0, 0) THEN
; 1151          1134  2     nml$gl_prs_flgs [nml$v_prs_exesnk] = 1;
; 1152          1135  2 RETURN nml$_sts_suc
; 1153          1136  1 END;                                    ! End of NML$PRSSNKNNA



                                                0000 00000             .ENTRY  NML$PRSSNKNNA, Save nothing                      ; 1067
                         5E                04   C2 00002             SUBL2   #4, SP                                            ;
                              00000000G    00   95 00005             TSTB    NML$GB_OPTIONS                                    ; 1117
                                           09   18 0000B             BGEQ    1$                                                ;
                                           7E   7C 0000D             CLRQ    -(SP)                                             ; 1118
                  00000000G  00            02   FB 0000F             CALLS   #2, NML$OPENFILE                                  ;
              51        14   AC            01   C1 00016  1$:        ADDL3   #1, 20(NPARSE_BLOCK), NAMPTR                      ; 1122
              50        10   AC            01   C3 0001B             SUBL3   #1, 16(NPARSE_BLOCK), NAMLEN                      ; 1123
                                   4003    8F   BB 00020             PUSHR   #^M<R0,R1,SP>                                     ; 1125
                  00000000G  00            03   FB 00024             CALLS   #3, NML$GETNODADR                                 ;
                             09            50   E9 0002B             BLBC    R0, 2$                                            ;
                  00000000G  00            6E   B0 0002E             MOVW    ADDR, NML$GW_EVTSNKADR                            ; 1126
                                           0C   11 00035             BRB     3$                                                ;
                                           7E   D4 00037  2$:        CLRL    -(SP)                                             ; 1128
                             7E            09   CE 00039             MNEGL   #9, -(SP)                                         ;
                  00000000G  00            02   FB 0003C             CALLS   #2, NML$ERROR_2                                   ;
                                           7E   7C 00043  3$:        CLRQ    -(SP)                                             ; 1133
                             7E      08    AE   3C 00045             MOVZWL  ADDR, -(SP)                                       ;
                             7E    01F6    8F   3C 00049             MOVZWL  #502, -(SP)                                       ;
                  00000000G  00            04   FB 0004E             CALLS   #4, NML$CHKEXE                                    ;
                             07            50   E9 00055             BLBC    R0, 4$                                            ;
                  00000000G  00            01   88 00058             BISB2   #1, NML$GL_PRS_FLGS+1                             ; 1134
                             50            01   D0 0005F  4$:        MOVL    #1, R0                                            ; 1135
                                                04 00062             RET                                                       ; 1136

; Routine Size:  99 bytes,    Routine Base:  $CODE$ + 02E6
```

```
1 %SBTTL 'NML$PRSSNKNAD  Parse sink node address'
1 GLOBAL ROUTINE NML$PRSSNKNAD =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This is a NPARSE action routine that stores the sink node address.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK [NPA$L_FLDPTR] points to the node address.
1 !       NPARSE_BLOCK [NPA$L_FLDCNT] contains the count of the address plus
1 !               the NMA$C_ENT_ADD byte.
1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GL_PRS_FLGS [NML$V_PRS_EXESNK] is set if this is the executor node.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       NONE
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NONE
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;                          ! Define NPARSE block reference
2
2 MAP
2     nml$gb_options        : BBLOCK [1];
2
2 BUILTIN
2     CALLG;
2
2 BIND
2     addr = (.nparse_block [npa$l_fldptr]+1)<0,16>;
2
2 !
2 ! Open the node data base file (in case it's a permanent operation.
2 !
2 IF .nml$gb_options [nma$v_opt_per] THEN
2     nml$openfile (nma$c_opn_node, nma$c_opn_ac_ro);
2 !
2 ! If the address is zero then get the real executor node address and
2 ! set the flag indicating the executor sink node.
2 !
2 IF .addr EQLU 0 THEN
```

```
; 1212       1194 3          BEGIN
; 1213       1195 3          nml$getexeadr (addr);
; 1214       1196 3          nml$gl_prs_flgs [nml$v_prs_exesnk] = 1;
; 1215       1197 3          END
; 1216       1198 2      ELSE
; 1217       1199 3          BEGIN
; 1218       1200 3          !
; 1219       1201 3          ! If the node address has an area number of 0, fix it up to something
; 1220       1202 3          ! meaningful.
; 1221       1203 3          !
; 1222       1204 3          nml$fix_node_num (addr);
; 1223       1205 3          !
; 1224       1206 3          ! If the address matches the executor node address then set the flag
; 1225       1207 3          ! to indicate the executor sink node.
; 1226       1208 3          !
; 1227       1209 3          IF nml$chkexe (nma$c_pcno_add, .addr, 0, 0) THEN
; 1228       1210 3              nml$gl_prs_flgs [nml$v_prs_exesnk] = 1;
; 1229       1211 2          END;
; 1230       1212 2
; 1231       1213 2      nml$gw_evtsnkadr = .addr;
; 1232       1214 2      RETURN nml$_sts_suc
; 1233       1215 1      END;                                   ! End of NML$PRSSNKNAD



                                              0004 00000          .ENTRY  NML$PRSSNKNAD, Save R2                              ; 1138
                52      14    AC          01  C1 00002            ADDL3   #1, 20(NPARSE_BLOCK), R2                            ; 1182
                              00000000G   00  95 00007            TSTB    NML$GB_OPTIONS                                      ; 1187
                                          09  18 0000D            BGEQ    1$                                                  ;
                                          7E  7C 0000F            CLRQ    -(SP)                                               ; 1188
                00000000G  00             02  FB 00011            CALLS   #2, NML$OPENFILE                                    ;
                                          62  D5 00018 1$:        TSTL    (R2)                                                ; 1193
                                          0B  12 0001A            BNEQ    2$                                                  ;
                                          52  DD 0001C            PUSHL   R2                                                  ; 1195
                00000000G  00             01  FB 0001E            CALLS   #1, NML$GETEXEADR                                   ;
                                          1C  11 00025            BRB     3$                                                  ; 1196
                                          52  DD 00027 2$:        PUSHL   R2                                                  ; 1204
                00000000G  00             01  FB 00029            CALLS   #1, NML$FIX_NODE_NUM                                ;
                                          7E  7C 00030            CLRQ    -(SP)                                               ; 1209
                                          62  DD 00032            PUSHL   (R2)                                                ;
                           7E      01F6   8F  3C 00034            MOVZWL  #502, -(SP)                                         ;
                00000000G  00             04  FB 00039            CALLS   #4, NML$CHKEXE                                      ;
                           07             50  E9 00040            BLBC    R0, 4$                                              ;
                00000000G  00             01  88 00043 3$:        BISB2   #1, NML$GL_PRS_FLGS+1                               ; 1210
                00000000G  00             62  B0 0004A 4$:        MOVW    (R2), NML$GW_EVTSNKADR                              ; 1213
                           50             01  D0 00051            MOVL    #1, R0                                              ; 1214
                                              04 00054            RET                                                         ; 1215

; Routine Size:  85 bytes,    Routine Base:  $CODE$ + 0349
```

```
1 %SBTTL 'NML$PRSEXESNK  Get event sink executor node address'
1 GLOBAL ROUTINE NML$PRSEXESNK =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This routine is called while parsing a NICE message logging entity.
1 !       It sets up the default sink node as the executor node if no sink
1 !       node was specified explicitly.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !       NONE
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       NPARSE_BLOCK (pointed to by AP) contains the parsed parameter data.
1 !           NPA$L_FLDCNT is the parameter length.
1 !           NPA$L_FLDPTR is a pointer to the parameter in the received
1 !               message buffer.
1 !       NML$GL_PRS_FLGS contains the current message parsing flag information.
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       NML$GL_PRS_FLGS [NML$V_PRS_SNKNOD] is set if it was not previously
1 !           set.
1 !       NML$GL_PRS_FLGS [NML$V_PRS_EXESNK] is set if the executor node
1 !           address was found in the data base and a sink node had not been
1 !           previously specified.
1 !
1 ! ROUTINE VALUE:
1 ! COMPLETION CODES:
1 !
1 !       Always returns success (NML$_STS_SUC).
1 !
1 ! SIDE EFFECTS:
1 !
1 !       NONE
1 !
1 !--
1
2 BEGIN
2
2 $NPA_ARGDEF;
2
2 MAP
2     nml$gb_options      : BBLOCK [1];
2
2 LOCAL
2     addr : WORD;
2 !
2 ! If no sink node has been specified then the executor node is intended.
2 !
2 IF NOT .nml$gl_prs_flgs [nml$v_prs_snknod] THEN
3     BEGIN
3     !
3     ! Open node file if it's a permanent data base operation.
```

```
; 1292          1273  3          !
; 1293          1274  3          IF .nml$gb_options [nma$v_opt_per] THEN
; 1294          1275  3              nml$openfile (nma$c_opn_node, nma$c_opn_ac_ro);
; 1295          1276  3          !
; 1296          1277  3          ! Get the executor node address.  If none is specified, use address 0.
; 1297          1278  3          !
; 1298          1279  3          IF nml$getexeadr (addr) THEN
; 1299          1280  3              nml$gw_evtsnkadr = .addr
; 1300          1281  3          ELSE
; 1301          1282  3              nml$gw_evtsnkadr = 0;
; 1302          1283  3          nml$gl_prs_flgs [nml$v_prs_snknod] = 1;
; 1303          1284  3          nml$gl_prs_flgs [nml$v_prs_exesnk] = 1;
; 1304          1285  2          END;
; 1305          1286  2      RETURN nml$_sts_suc
; 1306          1287  2
; 1307          1288  1      END;                                ! End of NML$PRSEXESNK


                                              0004 00000           .ENTRY  NML$PRSEXESNK, Save R2                               ; 1217
                        52 00000000G     00     9E 00002           MOVAB   NML$GW_EVTSNKADR, R2                                 ;
                                 5E      04     C2 00009           SUBL2   #4, SP                                               ;
               2B 00000000G      00      01     E0 0000C           BBS     #1, NML$GL_PRS_FLGS+1, 4$                            ; 1269
                         00000000G       00     95 00014           TSTB    NML$GB_OPTIONS                                       ; 1274
                                         09     18 0001A           BGEQ    1$                                                   ;
                                         7E     7C 0001C           CLRQ    -(SP)                                                ; 1275
                  00000000G      00      02     FB 0001E           CALLS   #2, NML$OPENFILE                                     ;
                                         5E     DD 00025  1$:      PUSHL   SP                                                   ; 1279
                  00000000G      00      01     FB 00027           CALLS   #1, NML$GETEXEADR                                    ;
                                 05      50     E9 0002E           BLBC    R0, 2$                                               ;
                                 62      6E     B0 00031           MOVW    ADDR, NML$GW_EVTSNKADR                               ; 1280
                                         02     11 00034           BRB     3$                                                   ;
                                         62     B4 00036  2$:      CLRW    NML$GW_EVTSNKADR                                     ; 1282
                  00000000G      00      03     88 00038  3$:      BISB2   #3, NML$GL_PRS_FLGS+1                                ; 1284
                                 50      01     D0 0003F  4$:      MOVL    #1, R0                                               ; 1286
                                                04 00042           RET                                                          ; 1288

; Routine Size:  67 bytes,    Routine Base:  $CODE$ + 039E
; 1309        1289  1 %SBTTL 'NML$PRSDEVICE  Check device id (action routine)'
; 1310        1290  1 GLOBAL ROUTINE NML$PRSDEVICE =
; 1311        1291  1
; 1312        1292  1 !++
; 1313        1293  1 ! FUNCTIONAL DESCRIPTION:
; 1314        1294  1 !         This is an NPARSE action that saves line and circuit IDs.  This
; 1315        1295  1 !         a separate routine so that wildcarding can be added later.
; 1316        1296  1 !
; 1317        1297  1 ! IMPLICIT INPUTS:
; 1318        1298  1 !         NPARSE_BLOCK [NPA$L_FLDPTR] contains the pointer to the entity
; 1319        1299  1 !                 format code and id string.
; 1320        1300  1 !
; 1321        1301  1 ! IMPLICIT OUTPUTS:
; 1322        1302  1 !         NML$GB_ENTITY_FORMAT contains the entity format code.
; 1323        1303  1 !         NML$AB_ENTITY_ID contains the entity id string.
; 1324        1304  1 !
; 1325        1305  1 !--
; 1326        1306  1
; 1327        1307  2 BEGIN
; 1328        1308  2
; 1329        1309  2 $NPA_ARGDEF;                          ! Define NPARSE block reference
; 1330        1310  2
; 1331        1311  2 BUILTIN
; 1332        1312  2         CALLG;
; 1333        1313  2
; 1334        1314  2 LOCAL
; 1335        1315  2         length,
; 1336        1316  2         addr;
; 1337        1317  2
; 1338        1318  2 length = .nparse_block [npa$l_fldcnt] - 1; ! Get length not including count
; 1339        1319  2 addr = .nparse_block [npa$l_fldptr] + 1;   ! Get address of byte after count
; 1340        1320  2
; 1341        1321  2 !****************************************************
; 1342        1322  2 !* Wild cards are not currently allowed in line
; 1343        1323  2 !* specifications.
; 1344        1324  2
; 1345        1325  2 IF CH$FIND_CH (.length, .addr, %C'*') THEN
; 1346        1326  3         BEGIN
; 1347        1327  3 !       nml$gl_prs_flgs = .nml$gl_prs_flgs AND lin$m_wildcards;
; 1348        1328  3         RETURN nml$_sts_ide;
; 1349        1329  3         END;
; 1350        1330  2
; 1351        1331  2 !*
; 1352        1332  2 !*
; 1353        1333  2 !****************************************************
; 1354        1334  2
; 1355        1335  2 CALLG (.nparse_block, nml$prsidn); ! Save line entity id and format
; 1356        1336  2 RETURN nml$_sts_suc;
; 1357        1337  1 END;                                  ! End of NML$PRSDEVICE



                                            0000 00000          .ENTRY  NML$PRSDEVICE, Save nothing                  ; 1290
                51       10   AC          01  C3 00002          SUBL3   #1, 16(NPARSE_BLOCK), LENGTH                 ; 1318
                50       14   AC          01  C1 00007          ADDL3   #1, 20(NPARSE_BLOCK), ADDR                   ; 1319
                60          51          2A  3A 0000C       LOCC    #42, LENGTH, (ADDR)                    ; 1325
                                        02  12 00010       BNEQ    1$                                     ;
                                        51  D4 00012       CLRL    R1                                     ;
                            04          51  E9 00014  1$:  BLBC    R1, 2$                                 ;
                            50          12  CE 00017       MNEGL   #18, R0                                ; 1328
                                            04 0001A       RET                                            ;
                       FD6D CF          6C  FA 0001B  2$:  CALLG   (NPARSE_BLOCK), NML$PRSIDN             ; 1335
                            50          01  D0 00020       MOVL    #1, R0                                 ; 1336
                                            04 00023       RET                                            ; 1337

; Routine Size:  36 bytes,    Routine Base:  $CODE$ + 03E1
; 1359        1338  1 %SBTTL 'NML$PRSLOGSIN  Logging sink node check (action routine)'
; 1360        1339  1 GLOBAL ROUTINE NML$PRSLOGSIN =
; 1361        1340  1
; 1362        1341  1 !++
; 1363        1342  1 ! FUNCTIONAL DESCRIPTION:
; 1364        1343  1 !
; 1365        1344  1 !       This is a NPARSE action routine that checks the function code
; 1366        1345  1 !       for a read function.  If the function is read then failure is
; 1367        1346  1 !       returned to indicate that a sink node id must be parsed.
; 1368        1347  1 !       If function is not read then success is returned.
; 1369        1348  1 !
; 1370        1349  1 ! FORMAL PARAMETERS:
; 1371        1350  1 !
; 1372        1351  1 !       NONE
; 1373        1352  1 !
; 1374        1353  1 ! IMPLICIT INPUTS:
; 1375        1354  1 !
; 1376        1355  1 !       NML$GB_FUNCTION contains the function code.
; 1377        1356  1 !
; 1378        1357  1 ! IMPLICIT OUTPUTS:
; 1379        1358  1 !
; 1380        1359  1 !       NONE
; 1381        1360  1 !
; 1382        1361  1 ! ROUTINE VALUE:
; 1383        1362  1 ! COMPLETION CODES:
; 1384        1363  1 !
; 1385        1364  1 !       Success (NML$_STS_SUC) is returned if the funtion is not read.
; 1386        1365  1 !       Otherwise, failure (NML$_STS_MPR) is indicated.
; 1387        1366  1 !
; 1388        1367  1 ! SIDE EFFECTS:
; 1389        1368  1 !
; 1390        1369  1 !       NONE
; 1391        1370  1 !
; 1392        1371  1 !--
; 1393        1372  1
; 1394        1373  2 BEGIN
; 1395        1374  2
; 1396        1375  2 $NPA_ARGDEF;                          ! Define NPARSE block reference
; 1397        1376  2
; 1398        1377  2 IF .nml$gb_function NEQU nma$c_fnc_rea THEN
; 1399        1378  2     RETURN nml$_sts_suc
; 1400        1379  2 ELSE
; 1401        1380  2     RETURN nml$_sts_mpr;
; 1402        1381  2
; 1403        1382  1 END;                                  ! End of NML$PRSLOGSIN


                                   0000 00000           .ENTRY  NML$PRSLOGSIN, Save nothing                    ; 1339
                14 00000000G   00   91 00002           CMPB    NML$GB_FUNCTION, #20                           ; 1377
                               04   13 00009           BEQL    1$                                             ;
                50             01   D0 0000B           MOVL    #1, R0                                         ; 1380
                                    04 0000E           RET                                                    ;
                50             0A   CE 0000F 1$:       MNEGL   #10, R0                                        ;
                                    04 00012           RET                                                    ; 1382
```

```
; Routine Size:  19 bytes,    Routine Base:  $CODE$ + 0405
; 1405           1383  1 %SBTTL 'NML$PRS_NOREAD Check function code (action routine)'
; 1406           1384  1 GLOBAL ROUTINE NML$PRS_NOREAD =
; 1407           1385  1
; 1408           1386  1 !++
; 1409           1387  1 ! FUNCTIONAL DESCRIPTION:
; 1410           1388  1 !       Check the saved function code and return success if it's
; 1411           1389  1 !       not "read"
; 1412           1390  1 !
; 1413           1391  1 ! ROUTINE VALUE:
; 1414           1392  1 ! COMPLETION CODES:
; 1415           1393  1 !       Returns success (NML$_STS_SUC) if the function code is "read".
; 1416           1394  1 !       Otherwise it returns NML$_STS_CMP.
; 1417           1395  1 !
; 1418           1396  1 !--
; 1419           1397  1
; 1420           1398  2 BEGIN
; 1421           1399  2
; 1422           1400  2 $NPA_ARGDEF;                          ! Define NPARSE block reference
; 1423           1401  2
; 1424           1402  2 IF .nml$gb_function EQL nma$c_fnc_rea THEN
; 1425           1403  2     RETURN nml$_sts_cmp
; 1426           1404  2 ELSE
; 1427           1405  2     RETURN nml$_sts_suc;
; 1428           1406  1 END;                                  ! End of NML$PRS_NOREAD



                                  0000 00000          .ENTRY  NML$PRS_NOREAD, Save nothing                          ; 1384
                14 00000000G  00    91 00002          CMPB    NML$GB_FUNCTION, #20                                  ; 1402
                              04    12 00009          BNEQ    1$                                                    ;
                50            10    CE 0000B          MNEGL   #16, R0                                               ; 1405
                                    04 0000E          RET                                                           ;
                50            01    D0 0000F 1$:      MOVL    #1, R0                                                ;
                                    04 00012          RET                                                           ; 1406

; Routine Size:  19 bytes,     Routine Base:  $CODE$ + 0418
; 1430            1407  1 %SBTTL 'NML$PRSERR1  Error parsing message (action routine)'
; 1431            1408  1 GLOBAL ROUTINE NML$PRSERR1 =
; 1432            1409  1
; 1433            1410  1 !++
; 1434            1411  1 ! FUNCTIONAL DESCRIPTION:
; 1435            1412  1 !
; 1436            1413  1 !     This routine causes an error message to be signalled with the status
; 1437            1414  1 !     code specified in the NPARSE block (NPA$L_PARAM).
; 1438            1415  1 !
; 1439            1416  1 ! FORMAL PARAMETERS:
; 1440            1417  1 !
; 1441            1418  1 !       NONE
; 1442            1419  1 !
; 1443            1420  1 ! IMPLICIT INPUTS:
; 1444            1421  1 !
; 1445            1422  1 !       NONE
; 1446            1423  1 !
; 1447            1424  1 ! IMPLICIT OUTPUTS:
; 1448            1425  1 !
; 1449            1426  1 !       NONE
; 1450            1427  1 !
; 1451            1428  1 ! ROUTINE VALUE:
; 1452            1429  1 ! COMPLETION CODES:
; 1453            1430  1 !
; 1454            1431  1 !       Always returns success (NML$_STS_SUC).
; 1455            1432  1 !
; 1456            1433  1 ! SIDE EFFECTS:
; 1457            1434  1 !
; 1458            1435  1 !       An error message is signalled.
; 1459            1436  1 !
; 1460            1437  1 !--
; 1461            1438  1
; 1462            1439  2 BEGIN
; 1463            1440  2
; 1464            1441  2 $NPA_ARGDEF;                          ! Define NPARSE block reference
; 1465            1442  2
; 1466            1443  2 nml$error_1 (.nparse_block [npa$l_param]); ! Signal message
; 1467            1444  2
; 1468            1445  2 RETURN nml$_sts_suc
; 1469            1446  2
; 1470            1447  1 END;                                  ! End of NML$PRSERR1



                                   0000 00000          .ENTRY  NML$PRSERR1, Save nothing                           ; 1408
                          20    AC   DD 00002          PUSHL   32(NPARSE_BLOCK)                                    ; 1443
          00000000G  00         01   FB 00005          CALLS   #1, NML$ERROR_1                                     ;
                     50         01   D0 0000C          MOVL    #1, R0                                              ; 1445
                                     04 0000F          RET                                                         ; 1447

; Routine Size:  16 bytes,    Routine Base:  $CODE$ + 042B
; 1472          1448   1 %SBTTL 'NML$PRSIDERR  Error parsing entity id (action routine)'
; 1473          1449   1 GLOBAL ROUTINE NML$PRSIDERR =
; 1474          1450   1
; 1475          1451   1 !++
; 1476          1452   1 ! FUNCTIONAL DESCRIPTION:
; 1477          1453   1 !
; 1478          1454   1 !     This routine causes an entity id error message to be signalled
; 1479          1455   1 !     with the detail code specified in the NPARSE block (NPA$L_PARAM).
; 1480          1456   1 !
; 1481          1457   1 ! FORMAL PARAMETERS:
; 1482          1458   1 !
; 1483          1459   1 !         NONE
; 1484          1460   1 !
; 1485          1461   1 ! IMPLICIT INPUTS:
; 1486          1462   1 !
; 1487          1463   1 !         NONE
; 1488          1464   1 !
; 1489          1465   1 ! IMPLICIT OUTPUTS:
; 1490          1466   1 !
; 1491          1467   1 !         NONE
; 1492          1468   1 !
; 1493          1469   1 ! ROUTINE VALUE:
; 1494          1470   1 ! COMPLETION CODES:
; 1495          1471   1 !
; 1496          1472   1 !         Always returns success (NML$_STS_SUC).
; 1497          1473   1 !
; 1498          1474   1 ! SIDE EFFECTS:
; 1499          1475   1 !
; 1500          1476   1 !         NONE
; 1501          1477   1 !
; 1502          1478   1 !--
; 1503          1479   1
; 1504          1480   2 BEGIN
; 1505          1481   2
; 1506          1482   2 $NPA_ARGDEF;                          ! Define NPARSE block reference
; 1507          1483   2
; 1508          1484   2 nml$error_2 (nma$c_sts_ide,
; 1509          1485   2              .nparse_block [npa$l_param]); ! Signal message
; 1510          1486   2
; 1511          1487   2 RETURN nml$_sts_suc
; 1512          1488   2
; 1513          1489   1 END;                                  ! End of NML$PRSERR1



                                      0000 00000           .ENTRY  NML$PRSIDERR, Save nothing                        ; 1449
                           20    AC   DD 00002           PUSHL   32(NPARSE_BLOCK)                                   ; 1485
                 7E               09   CE 00005           MNEGL   #9, -(SP)                                          ; 1484
       00000000G  00               02   FB 00008           CALLS   #2, NML$ERROR_2                                    ;
                 50               01   D0 0000F           MOVL    #1, R0                                             ; 1487
                                       04 00012           RET                                                        ; 1489

; Routine Size:  19 bytes,    Routine Base:  $CODE$ + 043B
; 1515          1490  1 END                                    ! End of module
; 1516          1491  1
; 1517          1492  0 ELUDOM



;                               PSECT SUMMARY
;
;       Name                  Bytes                       Attributes
;
;  $PLIT$                        80  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;  $CODE$                      1102  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       41        12          27          00:00.1
;  _$255$DUA28:[SHRLIB]NMALIBRY.L32;1       887       14         1          47          00:00.2
;  _$255$DUA28:[SYSLIB]STARLET.L32;1       9776        2         0         581          00:02.2



;                               COMMAND QUALIFIERS

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

; Size:          1102 code + 80 data bytes
; Run Time:         00:25.5
; Elapsed Time:     01:03.5
; Lines/CPU Min:     3517
; Lexemes/CPU-Min: 11092
; Memory Used:  111 pages
; Compilation Complete
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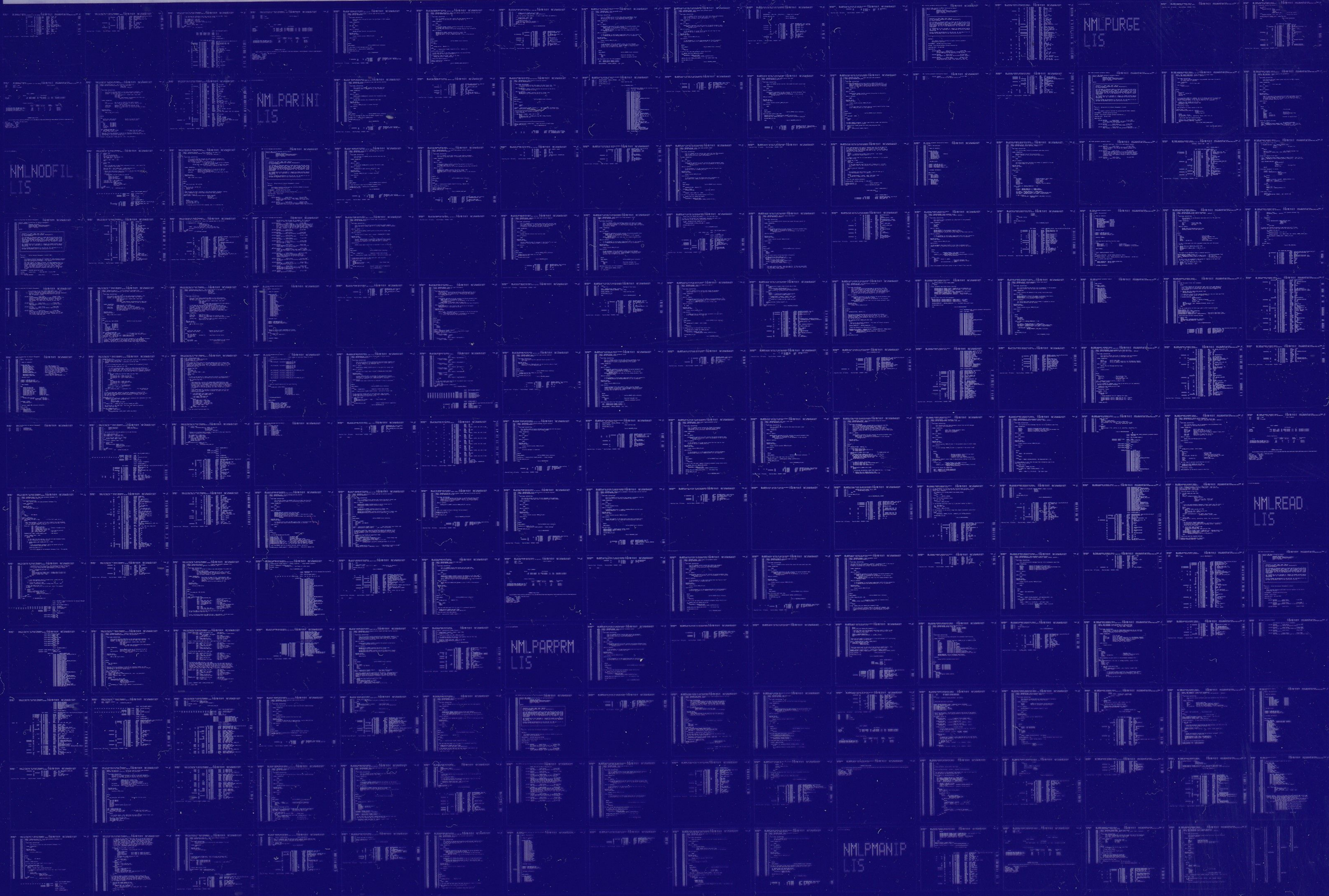

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