```
NNN         NNN  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT     AAAAAAAAA        CCCCCCCCCCC   PPPPPPPPPPPP
NNN         NNN  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT     AAAAAAAAA        CCCCCCCCCCC   PPPPPPPPPPPP
NNN         NNN  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT     AAAAAAAAA        CCCCCCCCCCC   PPPPPPPPPPPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNNNNN      NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNNNNN      NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNNNNN      NNN  EEE                    TTT        AAA         AAA  CCC              PPP         PPP
NNN   NNN   NNN  EEEEEEEEEEEE           TTT        AAA         AAA  CCC              PPPPPPPPPPPP
NNN   NNN   NNN  EEEEEEEEEEEE           TTT        AAA         AAA  CCC              PPPPPPPPPPPP
NNN   NNN   NNN  EEEEEEEEEEEE           TTT        AAA         AAA  CCC              PPPPPPPPPPPP
NNN      NNNNNN  EEE                    TTT        AAAAAAAAAAAAAAA  CCC              PPP
NNN      NNNNNN  EEE                    TTT        AAAAAAAAAAAAAAA  CCC              PPP
NNN      NNNNNN  EEE                    TTT        AAAAAAAAAAAAAAA  CCC              PPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP
NNN         NNN  EEE                    TTT        AAA         AAA  CCC              PPP
NNN         NNN  EEEEEEEEEEEEEEE        TTT        AAA         AAA     CCCCCCCCCCC   PPP
NNN         NNN  EEEEEEEEEEEEEEE        TTT        AAA         AAA     CCCCCCCCCCC   PPP
NNN         NNN  EEEEEEEEEEEEEEE        TTT        AAA         AAA     CCCCCCCCCCC   PPP
```

FILEID**NETCONFIG

```
NN      NN  EEEEEEEEEE  TTTTTTTTTT    CCCCCCCC    OOOOOO    NN      NN  FFFFFFFFFF    IIIIII      GGGGGGGG
NN      NN  EEEEEEEEEE  TTTTTTTTTT    CCCCCCCC    OOOOOO    NN      NN  FFFFFFFFFF    IIIIII      GGGGGGGG
NN      NN  EE              TT      CC          OO      OO  NN      NN  FF                II      GG
NN      NN  EE              TT      CC          OO      OO  NN      NN  FF                II      GG
NNNN    NN  EE              TT      CC          OO      OO  NNNN    NN  FF                II      GG
NNNN    NN  EE              TT      CC          OO      OO  NNNN    NN  FF                II      GG
NN  NN  NN  EEEEEEEE        TT      CC          OO      OO  NN  NN  NN  FFFFFFFF          II      GG
NN  NN  NN  EEEEEEEE        TT      CC          OO      OO  NN  NN  NN  FFFFFFFF          II      GG
NN    NNNN  EE              TT      CC          OO      OO  NN    NNNN  FF                II      GG  GGGGGG
NN    NNNN  EE              TT      CC          OO      OO  NN    NNNN  FF                II      GG  GGGGGG
NN      NN  EE              TT      CC          OO      OO  NN      NN  FF                II      GG      GG    ....
NN      NN  EE              TT      CC          OO      OO  NN      NN  FF                II      GG      GG    ....
NN      NN  EEEEEEEEEE      TT        CCCCCCCC    OOOOOO    NN      NN  FF              IIIIII      GGGGGG      ....
NN      NN  EEEEEEEEEE      TT        CCCCCCCC    OOOOOO    NN      NN  FF              IIIIII      GGGGGG      ....

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
```

Table of contents

```
0000        .TITLE  NETCONFIG - Local Configuration Data Base
0000        .IDENT  'V04-000'
0000        .DEFAULT DISPLACEMENT,LONG      ; This code is placed at end of image
0000
0000  ;****************************************************************************
0000  ;*                                                                          *
0000  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
0000  ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                  *
0000  ;*  ALL RIGHTS RESERVED.                                                    *
0000  ;*                                                                          *
0000  ;*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
0000  ;*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
0000  ;*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
0000  ;*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
0000  ;*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
0000  ;*  TRANSFERRED.                                                            *
0000  ;*                                                                          *
0000  ;*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
0000  ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
0000  ;*  CORPORATION.                                                            *
0000  ;*                                                                          *
0000  ;*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
0000  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
0000  ;*                                                                          *
0000  ;*                                                                          *
0000  ;****************************************************************************
0000  ;
0000
0000  ; FACILITY:     NETWORK ACP
0000
0000  ; ABSTRACT:
0000  ;       THIS MODULE CONTAINS THE CONTROL BLOCKS FOR THE LOCAL NODE.
0000  ;
0000  ; ENVIRONMENT:
0000  ;       MODE = KERNEL
0000  ;--
0000        .SBTTL  HISTORY
0000  ;
0000  ; AUTHOR:       A. Eldridge      10-Jan-1980
0000  ;
0000  ; MODIFIED BY:
0000  ;
0000  ;       V03-038 RNG0038         Rod Gamache             13-Jul-1984
0000  ;               Change default receive buffer count for UNA lines from
0000  ;               4 to 6 buffers.
0000  ;
0000  ;       V03-037 PRB0338         Paul Beck       27-Jun-1984  19:19
0000  ;               Change default pipeline quota to 3000.
0000  ;
0000  ;       V03-036 PRB0324         Paul Beck       23-Mar-1984  22:29
0000  ;               Modify definition of NML, MAIL, and PHONE to use the .EXE form.
0000  ;
0000  ;       V03-035 PRB0035         Paul Beck               23-FEB-1984 18:14
0000  ;               Update version number fields.
0000  ;
0000  ;       V03-034 RNG0034         Rod Gamache             10-Feb-1984
0000  ;               Add a real LLI database.
```

```
0000    ;
0000    ;       V03-033 RNG0033         Rod Gamache     3-Feb-1984
0000    ;               Add System Node Version (SNV) parameter to remote node
0000    ;               database.
0000    ;
0000    ;       V03-032 PRB0306         Paul Beck       11-Jan-1984  14:20
0000    ;               Add CTERM object (OBJ_42)
0000    ;
0000    ;       V031    RNG0031         Rod Gamache             01-Aug-1983
0000    ;               Set default for EXECUTOR PROXY ACCESS to be BOTH. Set
0000    ;               default PROXY ACCESS for a few OBJECTS to be OUTGOING
0000    ;               only.
0000    ;
0000    ;       V030    TMH0030         Tim Halvorsen           04-Jul-1983
0000    ;               Add XAI database for X.25 gateway support.
0000    ;               Set limit checks on DELAY FACTOR, DELAY WEIGHT and
0000    ;               MAX BUFFERS, because they are stored as signed bytes.
0000    ;               Add LNI alias (cluster node address) parameter.
0000    ;
0000    ;       V029    TMH0029         Tim Halvorsen           01-Jun-1983
0000    ;               Restore default DELAY FACTOR to 80 (5*delay) in order
0000    ;               to improve recovery of lost datagrams, and yet not so
0000    ;               low as to cause queue pileup (due to retransmissions)
0000    ;               on high latency datalinks, such as X.25 connections.
0000    ;
```

```
0000                .SBTTL  DECLARATIONS
0000        ;
0000        ; INCLUDE FILES:
0000        ;
0000                $DYNDEF
0000                $PRVDEF
0000
0000                $NETSYMDEF
0000
0000                $ADJDEF
0000                $CNFDEF
0000                $CNRDEF
0000                $NFBDEF
0000                $NMADEF
0000                $CRIDEF
0000                $PLIDEF
0000                $EFIDEF
0000                $ESIDEF
0000                $LLIDEF
0000                $LNIDEF
0000                $NDIDEF
0000                $OBIDEF
0000                $SPIDEF
0000                $WQEDEF
0000        ;
0000        ; MACROS:
0000        ;
0000
0000        ;
0000        ;  The following macros build the buffers used to construct CNF blocks
0000        ;  during ACP initialization.
0000        ;
0000        .MACRO  $BLDCNF_2  database,type,name,value      ; Build list of parameters
0000                .CNFFLD database,type,name               ; Enter parameter i.d.
0000                .IF  DIF,S,type
0000                        .BYTE   0                        ; Flag "not a string"
0000                        .LONG   value                    ; Store the value
0000                .IFF
0000                        .ASCIC  "value"                  ; Store counted string
0000                .ENDC
0000        .ENDM   $BLDCNF_2
0000
0000        .MACRO  $BLDCNF database,list                    ; Build CNF specifier
0000                .LONG   CNR_'database'                   ; Point to CNR block
0000                .IRP    entry,<list>                     ;
0000                        $BLDCNF_2  entry                 ; Enter parameter list
0000                .ENDR
0000                .LONG   0                                ; Terminate with a zero
0000        .ENDM   $BLDCNF
0000
0000
0000        ;
0000        ;  The following macros build the tables used to apply default values to
0000        ;  selected CNF parameters when CNF blocks are either added or modified.
0000        ;
0000        .MACRO  $CNF_DEF_2  db,param,type,value
0000
```

```
0000              .CNFFLD db,type,param                       ; Enter parameter i.d.
0000              .LONG   value                               ; Store parameter default value
0000
0000      .ENDM   $CNF_DEF_2
0000
0000      .MACRO  $CNF_DEF  database,list
0000
0000              _$CNF_DEF = .
0000              . = NET$AL_CNF_DFLT + <4*nfb$c_db_'database'>
0000              .ADDRESS _$CNF_DEF
0000              . = _$CNF_DEF
0000
0000              .IRP   entry,<list>
0000                     $CNF_DEF_2  database,entry
0000              .ENDR
0000              .LONG   0
0000
0000      .ENDM   $CNF_DEF
0000
0000      .MACRO  $CNF_DEF_TAB  database,list
0000
0000              .IRP   entry,<list>
0000                     $CNF_DEF_2  database,entry
0000              .ENDR
0000              .LONG   0
0000
0000      .ENDM   $CNF_DEF_TAB
0000
```

```
0000 ;
0000 ; The following macro is used to build the field semantics.  Each field is
0000 ; defined by:
0000 ;
0000 ;          pref    Prefix code identify the component (e.g., LNI,OBI,NDI)
0000 ;
0000 ;          type    V  bit    - uses no storage
0000 ;                  L  longword
0000 ;                  S  string
0000 ;
0000 ;          maxs    Maximum allowed parameter value or string size.  If the
0000 ;                  'field' parameter is "L" (longword) then there is no
0000 ;                  maximum, otherwize the default is 65535 implying that there
0000 ;                  is no maximum.
0000 ;
0000 ;                  The maximum and default size for the length of strings is 1023.
0000 ;
0000 ;          qual    One of the following qualifiers
0000 ;
0000 ;                  for non-strings:        Z   the value zero is allowed.
0000 ;
0000 ;                  for strings:            T   treat all characters transparently.
0000 ;                                          A   only upper case ascii and numeric
0000 ;                                              characters are allowed.
0000 ;                                          F   parse the string as if it were a
0000 ;                                              file specification.
0000 ;
0000 ;          access  Specifies the type of access allowed on that field:
0000 ;
0000 ;                  blank   General read/write access.
0000 ;                  W       General write access, read access only if the user
0000 ;                          has "bypass" privilege.
0000 ;                  R       Read-only access.
0000 ;                  C       General read/write access if the NFB$C_'pref'_LCK bit
0000 ;                          is clear, else read-only access.
0000 ;                  E       External read only.  Can't write field on behalf of a
0000 ;                          QIO, but can be written for internal ACP use.
0000 ;                  N       No external read or write access.  Can only be read or
0000 ;                          written internally.
0000 ;
0000 ;          req     Controls data base integrity and consistency as follows:
0000 ;
0000 ;                  blank   No special requirements.
0000 ;                  M       Mandatory.  If this field is not active then the block
0000 ;                          will not be inserted into the data base.
0000 ;                  U       Unique.  The value of this field must be unique with
0000 ;                          respect to the values of this same field for all other
0000 ;                          blocks currently in the data base.
0000 ;                  S       Signature.  This implies both M and S.
0000 ;
0000 ;          field   Specifies how the field is stored:
0000 ;
0000 ;                  B       Byte.
0000 ;                  W       Word.
0000 ;                  L       Longword.  If the field is as string then this
0000 ;                          the self-relative longword string descriptor.
0000 ;                  $       There is no actual field in the CNF block.  The
```

```
0000   227 ;                          information must be found by calling an action
0000   228 ;                          routine.
0000   229 ;
```

```
0000  .MACRO  $entsem  pref,type,name,maxs=65535,qual=T,access=RW,req,field
0000
0000          ;
0000          ;   Initialize the semantic longword by setting the CNF offset to the
0000          ;   field.
0000          ;
0000          ;    o  If the "field" is really a routine (field=$) then the CNR
0000          ;       action routine offset is used.
0000          ;    o  If the "field" is type "bit" then the bit offset from the top
0000          ;       of the CNF to the bit in CNF$W_BOOLEAN is used.
0000          ;    o  Else the byte offset from the top of the CNF is used.
0000          ;
0000          ;   The value of the semantic longword can never be zero since that is
0000          ;   the value used to indicate the field is undefined.
0000          ;
0000           ASSUME  cnr$v_sem_off  EQ  0
0000
0000          .IF IDN,field,$
0000                                 _$sem = _$actoff + <1@cnr$v_sem_rt>
0000          .IFF
0000            .IIF IDN,type,L, _$sem = cnf$c_length + 'pref'$'field'_'name'
0000            .IIF IDN,type,S, _$sem = cnf$c_length + 'pref'$L_S_'name'
0000            .IF  IDN,type,V
0000                 .IF GT,16-_$maxbool
0000                                 _$sem = cnf$w_boolean*8 + _$maxbool
0000                                 _$maxbool = _$maxbool + 1
0000                 .IFF
0000                     .ERROR    0                        ; too many boolean parameters
0000                 .ENDC
0000            .ENDC
0000          .ENDC
0000
0000
0000          ;
0000          ;   Setup field type
0000          ;
0000          .IIF IDN,type,V, _$sem = _$sem + <cnr$c_sem_bit    @cnr$v_sem_typ>
0000          .IIF IDN,type,S, _$sem = _$sem + <cnr$c_sem_str    @cnr$v_sem_typ>
0000          .IF   IDN,type,L
0000              .IF IDN,field,$
0000                                 _$sem = _$sem + <cnr$c_sem_L    @cnr$v_sem_typ>
0000              .IFF
0000                                 _$sem = _$sem + <cnr$c_sem_'field'@cnr$v_sem_typ>
0000              .ENDC
0000          .ENDC
0000
0000
0000          ;
0000          ;  Setup maximum allowed value or string size
0000          ;
0000          .IIF IDN,type,S,   _$sem = _$sem + <<1023&maxs>@cnr$v_sem_max>
0000          .IIF IDN,type,L,   _$sem = _$sem +      <<maxs>@cnr$v_sem_max>
0000
0000
0000          ;
0000          ;  Specify type of access allowed
0000          ;
```

```
0000    .IF IDN,access,R
0000    .IF DIF,field,$
0000            .ERROR  0           ; Why is 'name' read-only?
0000    .ENDC
0000    .ENDC
0000
0000                            _$sem = _$sem + <<cnr$c_acc_'access'>@cnr$v_sem_acc>
0000
0000
0000    ;
0000    ;  Specify special qualifiers - zero value allowed if type 'L'
0000    ;                               parse table if type 'S'
0000    ;
0000    .IIF IDN,type,S,    _$sem = _$sem + <<cnr$c_sem_'qual'>@cnr$v_sem_tab>
0000    .IIF IDN,qual,Z,    _$sem = _$sem + <<              1>@cnr$v_sem_z>
0000
0000
0000    ;
0000    ;  Enter sematics into the table
0000    ;
0000    . = _$start + cnr$l_sem_tab + <<nfb$c_'pref'_'name'&nfb$m_inx>*4>
0000    .LONG   _$sem
0000
0000
0000    ;
0000    ;  If the 'field' is actually a routine then setup its dispatch vector
0000    ;
0000    .IF  IDN,field,$
0000
0000        .IF GT,CNR$L_END_ACT - _$actoff
0000
0000            .   =   _$start + _$actoff
0000            .ADDRESS NET$'pref'_'type'_'name'
0000        .IFF
0000            .ERROR  0                        ; too many action routines
0000        .ENDC
0000            _$actoff = _$actoff + 4
0000    .ENDC
0000
0000
0000    ;
0000    ;  If the parameter is mandatory then enter its i.d. into the list
0000    ;
0000                     _$mand = 1
0000    .IIF IDN,req,M,  _$mand = 0
0000    .IIF IDN,req,S,  _$mand = 0
0000    .IF  EQ,_$mand
0000
0000        .IF GT,CNR$L_END_MAND - _$mandoff
0000
0000            .   =   _$start + _$mandoff
0000            .CNFFLD pref,type,name
0000        .IFF
0000            .ERROR    0                      ; too many mandatory fields
0000        .ENDC
0000            _$mandoff = _$mandoff + 4
0000    .ENDC
```

```
0000
0000
0000                  ;
0000                  ;  If the parameter must be unique then enter its i.d. into the list
0000                  ;
0000                                  _$uniq = 1
0000                  .IIF IDN,req,U,  _$uniq = 0
0000                  .IIF IDN,req,S,  _$uniq = 0
0000                  .IF  EQ,_$uniq
0000
0000                      .IF GT,CNR$L_END_UNIQ - _$uniqoff
0000
0000                          .   =   _$start + _$uniqoff
0000                          .CNFFLD pref,type,name
0000                      .IFF
0000                          .ERROR    0                       ; too many unique fields
0000                      .ENDC
0000                          _$uniqoff = _$uniqoff + 4
0000                  .ENDC
0000
0000          .ENDM
0000
0000          .MACRO  $DEFSEM    pre,typ,fldlist
0000
0000                  .IF DIF,typ,-1
0000                      .IRP        A,<fldlist>
0000                                  $entsem  pre,typ,A      ; Enter semantics
0000                      .ENDR
0000                  .ENDC
0000          .ENDM                                           ; slots for this segment
```

```
0000    ;
0000    ; The following macro builds the entire CNR structure
0000    ;
0000            ASSUME  CNR$L_FLINK        EQ  0
0000            ASSUME  CNR$L_BLINK        EQ  4+CNR$L_FLINK
0000            ASSUME  CNR$W_SIZE         EQ  4+CNR$L_BLINK
0000            ASSUME  CNR$B_TYPE         EQ  2+CNR$W_SIZE
0000            ASSUME  CNR$B_FLG          EQ  1+CNR$B_TYPE
0000            ASSUME  CNR$W_SIZ_CNF      EQ  1+CNR$B_FLG
0000            ASSUME  CNR$W_MAX_INX      EQ  2+CNR$W_SIZ_CNF
0000
0000            ASSUME  CNR$L_FLD_LOCK     EQ  2+CNR$W_MAX_INX
0000            ASSUME  CNR$L_FLD_COLL     EQ  4+CNR$L_FLD_LOCK
0000
0000            ASSUME  CNR$L_ACT_QIO      EQ  4+CNR$L_FLD_COLL
0000            ASSUME  CNR$L_ACT_SHOW     EQ  4+CNR$L_ACT_QIO
0000            ASSUME  CNR$L_ACT_DFLT     EQ  4+CNR$L_ACT_SHOW
0000            ASSUME  CNR$L_ACT_INSERT   EQ  4+CNR$L_ACT_DFLT
0000            ASSUME  CNR$L_ACT_DELETE   EQ  4+CNR$L_ACT_INSERT
0000            ASSUME  CNR$L_ACT_REMOVE   EQ  4+CNR$L_ACT_DELETE
0000
0000            ASSUME  CNR$L_SCANNER      EQ  4+CNR$L_ACT_REMOVE
0000            ASSUME  CNR$L_INSERT       EQ  4+CNR$L_SCAÑNER
0000            ASSUME  CNR$L_SPCSCAN      EQ  4+CNR$L_INSERT
0000
0000            ASSUME  CNR$L_VEC_ACT      EQ  4+CNR$L_SPCSCAN
0000            ASSUME  CNR$L_VEC_MAND     EQ  4+CNR$L_END_ACT
0000            ASSUME  CNR$L_VEC_UNIQ     EQ  4+CNR$L_END_MAND
0000            ASSUME  CNR$L_SEM_TAB      EQ  4+CNR$L_END_UNIQ
0000
0000
0000    .MACRO  $DEFCNR    prefix,typ1=-1,list1,typ2=-1,list2,typ3=-1,list3
0000
0000    .ALIGN LONG
0000    _$START = .
0000
0000            _$maxbool = 0
0000            _$actoff  = CNR$L_VEC_ACT
0000            _$mandoff = CNR$L_VEC_MAND
0000            _$uniqoff = CNR$L_VEC_UNIQ
0000
0000
0000    CNR_'prefix'::
0000            .ADDRESS .                                 ; Build queue header
0000            .ADDRESS .-4                               ;
0000            .WORD   1024                               ; Use entire page
0000            .BYTE   NFB$C_DB_'prefix'                  ; Setup database id
0000            .BYTE   CNF$M_FLG_CNR                      ; Mark as CNR block
0000            .WORD   CNF$C_LENGTH + 'prefix'$c_length;  Total CNF size = CNF header
0000                                                       ;  plus fixed structure size
0000            .WORD   CNR$C_MAX_INX                      ;&update to "real" value
0000            .CNFFLD prefix,V,LCK                       ; Fld id of field used to guard
0000                                                       ; cond. writeable fields
0000            .CNFFLD prefix,S,COL                       ; Fld id of field used to order
0000                                                       ; the CNR list
0000
0000            .ADDRESS NET$PRE_QIO_'prefix'              ; Pre-processor for QIO to
```

```
0000                                                     ; this database
0000            .ADDRESS NET$SHOW_'prefix'               ; Pre-processor for QIO to a
0000                                                     ; specific CNF
0000            .ADDRESS NET$DEFAULT_'prefix'            ; Defaulting action routine
0000
0000            .ADDRESS NET$INSERT_'prefix'             ; Pre-insert action routine
0000            .ADDRESS NET$DELETE_'prefix'             ; Pre-mark-for-delete routine
0000            .ADDRESS NET$REMOVE_'prefix'             ; Pre-remove action routine
0000
0000            .ADDRESS NET$SCAN_'prefix'               ; Database scanner co-routine
0000            .ADDRESS NET$SPCINS_'prefix'             ; Real insertion routine
0000            .ADDRESS NET$SPCSCAN_'prefix'            ; Special scan routine
0000
0000            .BYTE   0[CNR$L_VEC_MAND-CNR$L_VEC_ACT]  ; Init action routine ptrs
0000            .BYTE   0[CNR$L_VEC_UNIQ-CNR$L_VEC_MAND]; Init mandatory field list
0000            .BYTE   0[CNR$L_SEM_TAB -CNR$L_VEC_UNIQ]; Init unique field list
0000            .LONG   0[CNR$C_MAX_INX]                 ; Init semantic table
0000
0000            ;
0000            ; Build the semantic vector
0000            ;
0000            $DEFSEM   prefix,typ1,list1
0000            $DEFSEM   prefix,typ2,list2
0000            $DEFSEM   prefix,typ3,list3
0000
0000
0000    . = _$START + CNR$C_LENGTH                       ; Use two pages
0000
0000    .ENDM
```

```
                                  0000      ;
                                  0000      ; EQUATED SYMBOLS:
                                  0000      ;
                                  0000              $EQULST NET$C_,GLOBAL,,,<-
                                  0000                      <LINE_CTRS,8>,-          ; NO. OF PHYLK LINE ERROR COUNTERS
                                  0000              >
                                  0000              ;
                                  0000              ;   Create short symbols to cleanup sematic (CNR) table format
                                  0000              ;
                         000003FF 0000              MXNOD = NET$C_MAX_NODES          ; Max node address supported by the ACP
                         00000040 0000              MXDLL = NET$C_MAX_LINES          ; Max supported datalinks
                         000003FF 0000              MXLNK = NET$C_MAX[NK             ; Max supported logical links
                         0000003E 0000              CTXSZ = NFB$C_CTX_SIZE-2         ; Max size of COL context string
                         00000021 0000              MAX_PLVEC = 33                   ; Maximum PLVEC index (allows for
                                  0000                                               ; 33-1=32 lines).
                                  0000      ;
                                  0000      ; OWN STORAGE:
                                  0000      ;
                                  0000
                         00000000           .PSECT  NET_PURE,NOWRT,NOEXE,LONG
                                  0000
                                  0000      ;
                                  0000      ;   Setup the configuration data base root block pointers
                                  0000      ;
                                  0000      NET$AL_CNR_TAB::                         ; The following pointers must be in the
                                  0000                                               ; order of there database indexes
                                  0000              ASSUME  NFB$C_DB_LNI  EQ  1
                                  0000              ASSUME  NFB$C_DB_NDI  EQ  2
                                  0000              ASSUME  NFB$C_DB_OBI  EQ  3
                                  0000              ASSUME  NFB$C_DB_CRI  EQ  4
                                  0000              ASSUME  NFB$C_DB_PLI  EQ  5
                                  0000              ASSUME  NFB$C_DB_EFI  EQ  6
                                  0000              ASSUME  NFB$C_DB_ESI  EQ  7
                                  0000              ASSUME  NFB$C_DB_LLI  EQ  8
                                  0000              ASSUME  NFB$C_DB_SPI  EQ  18
                                  0000              ASSUME  NFB$C_DB_AJI  EQ  19
                                  0000              ASSUME  NFB$C_DB_ARI  EQ  20
                                  0000              ASSUME  NFB$C_DB_SDI  EQ  26
                                  0000
                         FFFFFFFF 0000                      .LONG  -1                ; There is no CNR with index zero
                        00000000' 0004      NET$GL_CNR_LNI:: .ADDRESS CNR_LNI        ; Root of Local Node Info list
                        000002A8' 0008      NET$GL_CNR_NDI:: .ADDRESS CNR_NDI        ; Root of common Node Info list
                        00000AA0' 000C      NET$GL_CNR_OBI:: .ADDRESS CNR_OBI        ; Root of network Object list
                        00000550' 0010      NET$GL_CNR_CRI:: .ADDRESS CNR_CRI        ; Root of Circuit Info list
                        000007F8' 0014      NET$GL_CNR_PLI:: .ADDRESS CNR_PLI        ; Root of Physical Link Info list
                        00000FF0' 0018      NET$GL_CNR_EFI:: .ADDRESS CNR_EFI        ; Root of Event Filter Info list
                        00000D48' 001C      NET$GL_CNR_ESI:: .ADDRESS CNR_ESI        ; Root of Event Sink Info list
                        00001298' 0020      NET$GL_CNR_LLI:: .ADDRESS CNR_LLI        ; Root of Logical Link Info list
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0024                    .LONG -1[9]             ; Reserve space for 9 X.25 lists
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0034
                        FFFFFFFF' 0044
                        00001540' 0048      NET$GL_CNR_SPI:: .ADDRESS CNR_SPI        ; Root of Server Process Info list
                        000017E8' 004C      NET$GL_CNR_AJI:: .ADDRESS CNR_AJI        ; Root of Adjacency database
                        00001D88' 0050      NET$GL_CNR_ARI:: .ADDRESS CNR_ARI        ; Root of Area database
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0054                    .LONG -1[5]             ; Reserve space for 5 X.25 lists
                        FFFFFFFF' 0064
                        00001AB8' 0068      NET$GL_CNR_SDI:: .ADDRESS CNR_SDI        ; Root of Service (DLE) database
```

```
                FFFFFFFF  006C        .LONG -1                     ; Reserve space for XAI X.25 database
                          0070
                          0070      ASSUME  <.-NET$AL_CNR_TAB-4> EQ <NFB$C_DB_MAX*4>
                          0070
                          0070
                          0070  BLD_VEC:                         ; Setup Data base init vector
                          0070
                00002204' 0070        .ADDRESS BLD_LNI
                J00021F3' 0074        .ADDRESS BLD_NDI_LOC
                          0078
                00002056' 0078        .ADDRESS BLD_OBI_TASK
                000020AE' 007C        .ADDRESS BLD_OBI_NML
                00002070' 0080        .ADDRESS BLD_OBI_FAL
                00002095' 0084        .ADDRESS BLD_OBI_HLD
                000020D3' 0088        .ADDRESS BLD_OBI_REMACP
                000020EF' 008C        .ADDRESS BLD_OBI_MIRROR
                0000210B' 0090        .ADDRESS BLD_OBI_EVL
                00002124' 0094        .ADDRESS BLD_OBI_MAIL
                00002154' 0098        .ADDRESS BLD_OBI_PHONE
                00002186' 009C        .ADDRESS BLD_OBI_CTERM
                000021A1' 00A0        .ADDRESS BLD_OBI_DTR
                000021BA' 00A4        .ADDRESS BLD_OBI_MOM
                000021D4' 00A8        .ADDRESS BLD_OBI_NICONFIG
                          00AC
                00000000  00AC        .LONG   0                    ; Terminate with a zero
                          00B0
                          00B0
                00000000                .PSECT  NET_IMPURE,WRT,NOEXE,LONG
                          0000
                00001000  0000  NET$GQ_UTLDESC:: .LONG  NET$C_UTLBUFSIZ ; Utility buffer descriptor
                00000000  0004  NET$GL_UTLBUF::  .LONG  0
                          0008
                00000000  0008  NET$GL_DUM_NDI::        .LONG 0         ; Pointer to the dummy NDI CNF
                0000000C' 000C  NET$GQ_TMP_BUF::        .ADDRESS .      ; Queue of temporary work buffers
                0000000C' 0010                          .ADDRESS .-4
                00000000  0014  NET$GL_PTR_LNI::        .LONG 0         ; Ptr to the LNI CNF
                00000000  0018  NET$GL_LOCAL_NDI::      .LONG 0         ; Ptr to local NDI CNF
                00000000  001C  NET$GL_SAVE_IRP::       .LONG 0         ; Holds current IRP
                00000000  0020  NET$GL_SAVE_UCB::       .LONG 0         ; Holds current IRP's UCB address
                00000000  0024  NET$GL_NET_UCB::        .LONG 0         ; Ptr to NET$GW_CHAN's UCB
                          0028
                00000030  0028  NET$GQ_USR_STAT::       .BLKQ 1         ; I/o status block to be returned
                00000032  0030  NET$GW_NETCHAN::        .BLKW 1         ; channel to _NET:
                          0032
                          0032  ;
                          0032  ;  The PLVEC database is an extension of the PLI database.  There is an
                          0032  ;  entry in each of these tables for each physical line controlled by
                          0032  ;  NETACP.
                          0032  ;
                       20 0032  PLVEC$GB_MAX::          .BYTE MAX_PLVEC-1   ; Maximum PLVEC index (-1 since the
                          0033                                              ; vectors are zero-indexed)
                          0033                          .ALIGN LONG
00000000'00000000'00000000'00000000' 0034  PLVEC$AL_ABS_TIM::  .LONG 0[MAX_PLVEC]  ; Seconds since counters last zeroed
00000000'00000000'00000000'00000000' 0044
00000000'00000000'00000000'00000000' 0054
00000000'00000000'00000000'00000000' 0064
00000000'00000000'00000000'00000000' 0074
```

```
00000000'00000000'00000000'00000000'  0084
00000000'00000000'00000000'00000000'  0094
00000000'00000000'00000000'00000000'  00A4
                           00000000'  00B4
00000000'00000000'00000000'00000000'  00B8      PLVEC$AL_UCB::            .LONG 0[MAX_PLVEC]  ; Device UCB
00000000'00000000'00000000'00000000'  00C8
00000000'00000000'00000000'00000000'  00D8
00000000'00000000'00000000'00000000'  00E8
00000000'00000000'00000000'00000000'  00F8
00000000'00000000'00000000'00000000'  0108
00000000'00000000'00000000'00000000'  0118
00000000'00000000'00000000'00000000'  0128
                           00000000'  0138
 0000'0000'0000'0000'0000'0000'0000'  013C      PLVEC$AW_CHAN::           .WORD 0[MAX_PLVEC]  ; NETACP I/O channel
 0000'0000'0000'0000'0000'0000'0000'  014A
 0000'0000'0000'0000'0000'0000'0000'  0158
 0000'0000'0000'0000'0000'0000'0000'  0166
           0000'0000'0000'0000'0000'  0174
00'00'00'00'00'00'00'00'00'00'00'00'  017E      PLVEC$AB_REFC::           .BYTE 0[MAX_PLVEC]  ; PLVEC cell reference count
00'00'00'00'00'00'00'00'00'00'00'00'  018A
         00'00'00'00'00'00'00'00'00'  0196
00'00'00'00'00'00'00'00'00'00'00'00'  019F      PLVEC$AB_DEV::            .BYTE 0[MAX_PLVEC]  ; Device type
00'00'00'00'00'00'00'00'00'00'00'00'  01AB
         00'00'00'00'00'00'00'00'00'  01B7
00'00'00'00'00'00'00'00'00'00'00'00'  01C0      PLVEC$AB_STATE::          .BYTE 0[MAX_PLVEC]  ; Line state
00'00'00'00'00'00'00'00'00'00'00'00'  01CC
         00'00'00'00'00'00'00'00'00'  01D8
                                      01E1
                                      01E1
                           00000000   
                                      0000              .PSECT  NET_LOCK_IMPURE,WRT,GBL,LONG
                                      0000      ;
                                      0000      ;       Miscellaneous storage
                                      0000      ;
                                      0000
                           00000004   0000      NET$GL_FLAGS::            .BLKL 1            ; Internal control flags
                           00000000   0004      NET$GL_PTR_AQB::          .LONG 0            ; Ptr to ACP's AQB
                           00000000   0008      NET$GL_PTR_VCB::          .LONG 0            ; Ptr to ACP's VCB
                           00000000   000C      NET$GL_PTR_UCB0::         .LONG 0            ; Ptr to the Unit 0 UCB
```

```
00000000        .PSECT  TABLES_IMPURE,WRT,EXE,GBL,LONG
    0000  ;
    0000  ; LOCAL NODE INFORMATION
    0000  ;
    0000  $DEFCNR LNI,-
    0000
    0000     V,<<-
    0000            <LCK,       ,Z,R, ,$>,-   ; Clear only if the conditionally writable
    0000            -                         ; fields are writeable
    0000            <SUP,       ,Z,E, , >,-   ; Set if area numbers to be suppressed for
    0000            -                         ; all node addresses returned to NML/EVL
    0000  >>,L,<<-
    0000            <ADD,       ,Z,C,M,$>,-   ; Node address
    0000            <SAD,       ,Z, , ,L>,-   ; X.25 sub-address range
    0000            <STA,      4,Z, ,M,$>,-   ; State
    0000            -                         ;
    0000            -                         ;   LNI$C_STA_INIT   NETACP starts in this state
    0000            -                         ;                    Logical link connects are
    0000            -                         ;                    allowed.
    0000            -                         ;   LNI$C_STA_OFF    NETACP will allow privileged
    0000            -                         ;                    connects.  If NETACP is set
    0000            -                         ;                    to this state from any other
    0000            -                         ;                    state then all links are
    0000            -                         ;                    broken and NETACP exits
    0000            -                         ;   LNI$C_STA_ON     Network generally available
    0000            -                         ;   LNI$C_STA_RSTR   connects initiates allowed,
    0000            -                         ;                    connects confirms allowed if
    0000            -                         ;                    privileged or if the connect
    0000            -                         ;                    was initiated locally
    0000            -                         ;   LNI$C_STA_SHUT   Only privileged connects
    0000            -                         ;                    are allowed.  When the last
    0000            -                         ;                    logical link disconnects,
    0000            -                         ;                    NETACP exits.
    0000            -                         ;
    0000            <ETY,      5,Z, ,M,B>,-   ; Type  (routing, end-node, etc.)
    0000            <DFA,    127, , ,M,B>,-   ; Delay factor       (see Note1)
    0000            <DWE,    127,Z, ,M,B>,-   ; Delay weight       (see Note1)
    0000            <RFA,    127, , ,M,B>,-   ; Retransmit factor (see Note1)
    0000            <DAC,      3,Z, , ,B>,-   ; Default access switch
    0000            <DPX,      4,Z, , ,B>,-   ; Default proxy access switch
    0000            <PIQ, 32767,Z, , ,W>,-    ; Pipeline quota
    0000
    0000            <ITI,       , , ,M,W>,-   ; Incoming timer     (see Note1) (units = sec)
    0000            <OTI,       , , ,M,W>,-   ; Outgoing timer     (see Note1) (units = sec)
    0000            <IAT,       , , ,M,W>,-   ; Inactivity timer   (see Note1) (units = sec)
    0000            <RTI,       , , ,M,W>,-   ; Routing timer                  (units = sec)
    0000            <RSI,       ,Z, , ,W>,-   ; Min routing delay interval     (units = sec)
    0000            <BRT,       , , ,M,W>,-   ; Broadcast routing timer        (units = sec)
    0000
    0000            <MLN, MXDLL,Z, ,M,B>,-    ; Maximum supported circuits
    0000            <MLK, MXLNK, , ,M,W>,-    ; Maximum supported logical links
    0000            <MAD, MXNOD, , ,M,W>,-    ; Maximum supported node address
    0000            <MCO,   1023, , ,M,W>,-   ; Maximum cost
    0000            <MHO,     31, , ,M,B>,-   ; Maximum hops
    0000            <MVI,    255, , ,M,B>,-   ; Maximum visits
    0000            <MBU,   1023, , ,M,W>,-   ; Maximum buffers
    0000            <MAR,     63, , , ,B>,-   ; Maximum area
```

```
0000          <AMC,  1022, , , ,W>,-   ; Area maximum cost
0000          <AMH,    30, , , ,B>,-   ; Area maximum hops
0000          <MBR,      ,Z, ,M,W>,-   ; Maximum broadcast routers
0000          <MBE,      ,Z, ,M,W>,-   ; Maximum broadcast endnodes
0000          <BUS,  4096, ,C,M,W>,-   ; Forwarding buffer size (max we can receive)
0000          <SBS,  4096, ,C, ,W>,-   ; Segment buffer size (max we can transmit)
0000          <ACL,      , ,R, ,$>,-   ; Currently active links
0000          <LPC,      ,Z, , ,W>,-   ; Default LOOP COUNT
0000          <LPL,      ,Z, , ,W>,-   ; Default LOOP LENGTH
0000          <LPD,      ,Z, , ,B>,-   ; Default LOOP data type
0000          <LPH,      ,Z, , ,B>,-   ; Default LOOP help type
0000          <ALI,      , ,C, ,W>,-   ; Alias local node address (cluster address)
0000    >>,S,<<-
0000          <COL, CTXSZ, ,R,S,$>,-   ; A fixed string                    (see Note2)
0000          <IDE,    32,T, , ,L>,-   ; System identification
0000          <MVE,     3,T,E, ,L>,-   ; Network Management version
0000          <NVE,     3,T,E, ,L>,-   ; NSP version
0000          <RVE,     3,T,E, ,L>,-   ; Routing version
0000          <NAM,     6,T,R, ,$>,-   ; Local node name
0000          <CNT,      ,T,R, ,$>,-   ; Counters
0000          <PHA,      , ,R, ,$>,-   ; Current NI address for this node
0000    >>
02A8
02A8
02A8
02A8    ;
02A8    ;     Note1:  Doesn't effect currently active logical links.  One reason for
02A8    ;             this is that these parameters may, in future releases, be
02A8    ;             overridden by values supplied by the user at the time of the
02A8    ;             connect request.  Thus, once a link is in progress these
02A8    ;             parameters should not be changed.
02A8    ;
02A8    ;     Note2:  Because this field is read-only, mandatory, and unique, it
02A8    ;             is guarenteed that there will be only one LNI entry in the
02A8    ;             data base.
02A8    ;
```

```
                    02A8    ;
                    02A8    ; REMOTE NODE INFORMATION
                    02A8    ;
                    02A8            ASSUME  CNR$L_COLBTE    EQ  0
                    02A8            ASSUME  CNR$L_NAMEBTE   EQ  4
                    02A8
         000002A8   02A8    NET$GL_COL_TREE  == .                      ; NDI collating tree root
         000002AC   02A8    NET$GL_NAME_TREE == .+4                    ; NDI name tree root
                    02A8
                    02A8    $DEFCNR   NDI,-
                    02A8
                    02A8        V,<<-
                    02A8            <LCK,       ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
                    02A8            -                        ; written.  If this is the local node, then
                    02A8            -                        ; it is set only if the state is LNI$C_STA_OFF.
                    02A8            -                        ; If the node is non-local then this bit is
                    02A8            -                        ; if unreachable or phase III.
                    02A8            <REA,       , ,R, ,$>,-  ; Set if the node is reachable
                    02A8            <LOO,       , ,R, ,$>,-  ; Set if the node is a "loopback" nodename
                    02A8    >>,L,<<-
                    02A8            <ADD,       ,Z,C,M,$>,-  ; Address
                    02A8            <CTI,       ,Z, , ,W>,-  ; Counter delta timer       (units = sec)
                    02A8            <CTA,       , ,E, ,L>,-  ; Counter absolute timer    (units = sec)
                    02A8            <DEL,       , ,R, ,$>,-  ; Average round trip delay (units = sec)
                    02A8            <DCO,       , ,R, ,$>,-  ; Total cost to node
                    02A8            <DTY,       , ,R, ,$>,-  ; Node type (routing, phase II, etc)
                    02A8            <DHO,       , ,R, ,$>,-  ; Total hops to node
                    02A8            <TAD,       , ,R, ,$>,-  ; Transformed node address
                    02A8            <ACL,       , ,R, ,$>,-  ; Active links to the node
                    02A8            <SDV,       ,Z, , ,B>,-  ; Service device code
                    02A8            <CPU,       ,Z, , ,B>,-  ; CPU type code
                    02A8            <STY,       ,Z, , ,B>,-  ; Software type code
                    02A8            <ACC,      3,Z, , ,B>,-  ; Access switch (inbound, outbound, etc.)
                    02A8            <PRX,       , ,E, ,B>,-  ; Proxy access
                    02A8            <DAD,       ,Z, , ,L>,-  ; Dump address
                    02A8            <DCT,       ,Z, , ,L>,-  ; Dump count
                    02A8            <IHO,       ,Z, , ,W>,-  ; Default host (input)
                    02A8            <OHO,       ,Z, , ,W>,-  ; Default host (output)
                    02A8            <NND,       , ,R, ,$>,-  ; Next hop node on way to remote node
                    02A8            <SNV,      1,Z, , ,B>,-  ; System node version
                    02A8    >>,S,<<-
                    02A8            <COL, CTXSZ, ,R,S,$>,-   ; A variant on HAC used for collating.
                    02A8            <NNA,      6,A, ,U,L>,-  ; Name
                    02A8            <NLI,     15,A, , ,L>,-  ; Associate line if this is a "loopback" node
                    02A8                                 -   ; (This is actually required to be unique but
                    02A8                                 -   ;  its uniqueness falls out of its being used
                    02A8         -;<NLI,     15,A, ,U,L>,-   ;  as part of "nfb$c_ndi_col".  If the loopnode
                    02A8                                 -   ;  address could be anything but the local node
                    02A8                                 -   ;  address then the 'U' flag must be set.)
                    02A8            <DLI,     15,A,R, ,$>,-  ; Line used for normal traffic
                    02A8            <PUS,     39,T, , ,L>,-  ; Priv user id
                    02A8            <PAC,     39,T, , ,L>,-  ; Priv account
                    02A8            <PPW,     39,T,W, ,L>,-  ; Priv password
                    02A8            <NUS,     39,T, , ,L>,-  ; NonPriv  user id
                    02A8            <NAC,     39,T, , ,L>,-  ; NonPriv  account
                    02A8            <NPW,     39,T,W, ,L>,-  ; NonPriv  password
                    02A8            <RPA,      8,T,W, ,L>,-  ; Receive  password
```

```
02A8        <TPA,      8,T,W, ,L>,-  ; Transmit password
02A8        <HAC,       , ,R, ,$>,-  ; A combination of the node address and
02A8        -                        ; loopback linename
02A8        <CNT,       ,T,R, ,$>,-  ; Counters
02A8        <SLI,     15,A, , ,L>,-  ; Service line
02A8        <SPA,      8,T, , ,L>,-  ; Service password
02A8        <LOA,    128,F, , ,L>,-  ; Load file
02A8        <SLO,    128,F, , ,L>,-  ; Secondary loader file
02A8        <TLO,    128,F, , ,L>,-  ; Tertiary loader file
02A8        <SID,    128,F, , ,L>,-  ; Software i.d.
02A8        <DUM,    128,F, , ,L>,-  ; Dumper
02A8        <SDU,    128,F, , ,L>,-  ; Secondary Dumper
02A8        <DFL,    128,F, , ,L>,-  ; Diagnostic load file
02A8        <HWA,      6,T, , ,L>,-  ; NI hardware address of the remote node
02A8        -                        ; when not initialized (for down-line load)
02A8        <NNN,       , ,R, ,$>,-  ; Name of Next Node to Destination (NND)
02A8   >>
```

```
0550  ;
0550  ; CIRCUIT INFORMATION
0550  ;
0550  $DEFCNR CRI,-
0550
0550    V,<<-
0550            <LCK,       ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0550            -                        ; be written - set if in the "off" state
0550            -                        ; state.
0550            <SER,       ,Z,C, , >,-  ; Service                (clear if enabled)
0550            -                        ;  This bit controls whether the line may enter
0550            -                        ;  a service state or substate - not whether it
0550            -                        ;  can remain there.  Thus setting this bit
0550            -                        ;  while in a service state will not cause any
0550            -                        ;  change in its actual state.
0550            <BLK,       ,Z,C, , >,-  ; Set if blocking is allowed (X.25 circuits)
0550            <VER,       ,Z,C, , >,-  ; Set if Transport verification requested
0550            <DLM,       ,Z,C, , >,-  ; Set if X.25 datalink mapping requested
0550            -                        ;  This flag corresponds to the NICE OWNER
0550            -                        ;  parameter, and if set, reserves the circuit
0550            -                        ;  for Transport's use as an X.25 datalink.
0550            -                        ;  If clear, the X.25 circuit is to be used
0550            -                        ;  in native mode only.  This flag does not
0550            -                        ;  apply to non-X.25 circuits.
0550  >>,L,<<-
0550            <OWPID,     , ,E, ,L>,-  ; Temporary service process PID
0550            <CTA,       , ,E, ,L>,-  ; Counter absolute timer         (seconds)
0550            <STA,      2,Z, , ,B>,-  ; State set by user
0550            <SUB,      3,Z,R, ,$>,-  ; Substate - what the line is doing
0550            <LCT,       , , , ,W>,-  ; Counter delta timer            (seconds)
0550            <PNA,       , ,R, ,$>,-  ; Partner's node address
0550            <BLO,       , ,R, ,$>,-  ; Receive block size
0550            <COS,     25, , , ,B>,-  ; Cost
0550            <HET,   8191, , , ,W>,-  ; Hello timer
0550            <LIT,       , ,R, ,$>,-  ; Listen timer
0550            <MRC,       , , , ,B>,-  ; Max recalls
0550            <RCT,       , , , ,W>,-  ; Recall timer
0550            <POL,       ,Z, , ,B>,-  ; Polling state
0550            <PLS,       ,Z,E, ,B>,-  ; Polling sub-state
0550            <USE,       ,Z,C, ,B>,-  ; X.25 usage (incoming, outgoing, permanent)
0550            <CHN,       ,Z,C, ,B>,-  ; X.25 channel
0550            <TYP,      6,Z,C, ,B>,-  ; Type (protocol)
0550            <MBL,       , , , ,W>,-  ; Maximum block
0550            <MWI,       , , , ,B>,-  ; Maximum window
0550            <TRI,    255,Z,C, ,B>,-  ; Tributary station address
0550            <BBT,       , , , ,W>,-  ; Babbel timer
0550            <TRT,       ,Z, , ,W>,-  ; Transmit timer
0550            <MRB,       , , , ,B>,-  ; Maximum receive buffers
0550            <MTR,       , , , ,B>,-  ; Maximum transmits
0550            <ACB,       ,Z, , ,B>,-  ; Active base
0550            <ACI,       ,Z, , ,B>,-  ; Active increment
0550            <IAB,       ,Z, , ,B>,-  ; Inactive base
0550            <IAI,       ,Z, , ,B>,-  ; Inactive increment
0550            <IAT,       , , , ,B>,-  ; Inactive threshold
0550            <DYB,       ,Z, , ,B>,-  ; Dying base
0550            <DYI,       ,Z, , ,B>,-  ; Dying increment
0550            <DYT,       , , , ,B>,-  ; Dying threshold
```

```
0550          <DTH,       , , , ,B>,-   ; Dead threshold
0550          <MST,       , ,R, ,$>,-   ; Maintenance mode "state" (1 => Off, 0 => On)
0550          <XPT,      4, ,C, ,B>,-   ; Transport protocol
0550          <DRT,       , ,R, ,$>,-   ; Designated router on this NI
0550          <MRT,     33,Z, , ,B>,-   ; Maximum routers on NI
0550          <RPR,    127,Z, , ,B>,-   ; Router priority on NI
0550      >>,S,<<-
0550          <COL, CTXSZ, ,R,S,$>,-    ; Collating field
0550          <NAM,     15,A,E,S,L>,-   ; Circuit name
0550          <VMSNAM,    ,A,R, ,$>,-   ; VMS device name
0550          <CHR,       ,T,R, ,$>,-   ; Control QIO characteristics buffer
0550          <CNT,       ,T,R, ,$>,-   ; Counters
0550          -                         ; loopback nodename if line is in loopback)
0550          <LOO,      6,A,R, ,$>,-   ; Loopback name
0550          <PNN,      6,A,R, ,$>,-   ; Partner's node name
0550          <NUM,     32,T, , ,L>,-   ; X.25 Call number
0550          <DTE,     32,T, , ,L>,-   ; X.25 DTE
0550          <DEVNAM,    ,T,R, ,$>,-   ; VMS device name, with unit included
0550      >>
```

```
07F8     ;
07F8     ; PHYSICAL LINK INFORMATION
07F8     ;
07F8     $DEFCNR PLI,-
07F8
07F8       V,<<-
07F8             <LCK,       ,Z,R, ,$>,-   ; Set if conditionally writable fields may not
07F8             -                         ; be written - set if in the "off" state
07F8             -                         ; state.
07F8             <SER,       ,Z, , , >,-   ; Service                (clear if enabled)
07F8             -                         ;
07F8             -                         ;  This bit controls whether the line may enter
07F8             -                         ;  a service state or substate - not whether it
07F8             -                         ;  can remain there.  Thus setting this bit
07F8             -                         ;  while in a service state will not cause any
07F8             -                         ;  change in its actual state.
07F8             <DUP,       ,Z,C, , >,-   ; Duplex                 (set if halfduplex)
07F8             <CON,       ,Z,C, , >,-   ; Controller             (set if loopback)
07F8             <CLO,       ,Z,C, , >,-   ; Clock mode             (set if internal)
07F8     >>,S,<<-
07F8             <COL, CTXSZ, ,R,S,$>,-    ; Collating field
07F8             <VMSNAM,    ,T,R, ,$>,-   ; VMS device name
07F8             <NAM,     15,A,E,S,L>,-   ; Line name
07F8             <CHR,       ,T,R, ,$>,-   ; Control QIO characteristics buffer
07F8             <CNT,       ,T,R, ,$>,-   ; Counters
07F8             <MCD,       ,F, , ,L>,-   ; X.25 KMX microcode dump file
07F8             <HWA,      6,T,E, ,L>,-   ; NI hardware address for this controller
07F8             <DEVNAM,    ,T,R, ,$>,-   ; VMS device name, with unit included
07F8     >>,L,<<-
07F8             <CTA,       , ,E, ,L>,-   ; Counter absolute timer        (seconds)
07F8             <STA,      2,Z, , ,B>,-   ; State set by user
07F8             <SUB,     15,Z,R, ,$>,-   ; Substate - what the line is doing
07F8             <LCT,       , , , ,W>,-   ; Counter delta timer           (seconds)
07F8             <PRO,      6,Z,C, ,B>,-   ; Type
07F8             <STI,       , , , ,W>,-   ; Service timer                 (milli-sec)
07F8             <HTI,       , , , ,W>,-   ; LAPB holdback timer
07F8             <MBL,       , , , ,W>,-   ; LAPB maximum block
07F8             <MRT,       , , , ,B>,-   ; LAPB maximum retransmits
07F8             <MWI,       , , , ,B>,-   ; LAPB maximum window
07F8             <SLT,       , , , ,W>,-   ; Scheduling timer
07F8             <RTT,       , , , ,W>,-   ; Retransmit timer
07F8             <DDT,       , , , ,W>,-   ; Dead timer
07F8             <DLT,       ,Z, , ,W>,-   ; Delay timer
07F8             <SRT,       , , , ,W>,-   ; Stream timer
07F8             <BFN,    255, ,C, ,B>,-   ; Number of rcv buffers in pool
07F8             <BUS,       , ,R, ,$>,-   ; Read-only buffer size actually used
07F8             <BFS,  16384, ,C, ,W>,-   ; Buffer size to override executor buffer size
07F8             <PLVEC,     , ,R, ,$>,-   ; Line's PLVEC index
07F8             <MOD,       , , , ,B>,-   ; X.25 mode (DCE, DTE, etc.)
07F8             <EPT,       , ,C, ,W>,-   ; Ethernet protocol type
07F8     >>
```

```
0AA0     ;
0AA0     ; NETWORK OBJECT INFORMATION
0AA0     ;
0AA0     $DEFCNR OBI,-
0AA0
0AA0        V,<<-
0AA0              <LCK,       ,Z,R, ,$>,-   ; Set if conditionally writable fields may not
0AA0              -                         ; written.  Set if UCB field is active.
0AA0              <SET,       ,Z,E, , >,-   ; Set if the CNF was ever modified by a "set"
0AA0              -                         ; QIO and therefore not just a "declared"
0AA0              -                         ; object (note that it may also be declared).
0AA0     >>,L,<<-
0AA0              <NUM,    255,Z,C,M,B>,-   ; Object number
0AA0              <LPR,       ,Z, , ,L>,-   ; Low order privilege mask
0AA0              <HPR,       ,Z, , ,L>,-   ; High order privilege mask
0AA0              <UCB,       , ,E, ,L>,-   ; UCB associated with object if declared name
0AA0              <PID,       , ,E, ,L>,-   ; PID associated with object if declared name
0AA0              <CHN,       , ,E, ,W>,-   ; Channel "          "       "    "     "
0AA0              <PRX,      4,Z, , ,B>,-   ; Proxy login switch (inbound, outbound, etc.)
0AA0     >>,S,<<-
0AA0              <COL, CTXSZ, ,R,S,$>,-    ; Field used to collate the database
0AA0              <NAM,     16,A,C,S,L>,-   ; Name
0AA0              <FID,     64,F, , ,L>,-   ; File id
0AA0              <USR,     39,A, , ,L>,-   ; User id
0AA0              <PSW,     39,A,W, ,L>,-   ; Password
0AA0              <ACC,     39,A, , ,L>,-   ; Account
0AA0              <ZNA,       ,T,R,S,$>,-   ; Set to make uniqueness check on zero obj+name
0AA0              <SFI,       ,T,R, ,$>,-   ; Parsed file i.d. with defaults applied
0AA0              <IAC,       ,T,R, ,$>,-   ; Concatenated inbound access control
0AA0              -                         ; - may get it from NDI CNF for local node
0AA0     >>
```

```
0D48    ;
0D48    ; Event Sink Information
0D48    ;
0D48    $DEFCNR ESI,-
0D48
0D48       V,<<-
0D48            <LCK,         ,Z,R, ,$>,-   ; Set if conditionally writable fields may not
0D48            -                           ; written.
0D48    >>,L,<<-
0D48            <STA,      2,Z, , ,B>,-     ; Logging state
0D48            -                           ;
0D48            -                           ;       ESI$C_STA_ON    On
0D48            -                           ;       ESI$C_STA_OFF   Off
0D48            -                           ;       ESI$C_STA_HLD   Hold
0D48            -
0D48            <SNK,      3, ,C,S,B>,-     ; Sink type
0D48            -                           ;
0D48            -                           ;       ESI$C_SNK_CON   Console
0D48            -                           ;       ESI$C_SNK_FIL   File
0D48            -                           ;       ESI$C_SNK_MON   Monitor
0D48            -
0D48            <SP1,         ,Z, , ,W>,-   ; Spare
0D48            <B1,          ,Z,C, ,L>,-   ; For user specified use
0D48            <B2,          ,Z, , ,L>,-   ; For user specified use
0D48    >>,S,<<-
0D48            <COL, CTXSZ, ,R,S,$>,-      ; Field used to collate the database
0D48            <LNA,    255,A,C, ,L>,-     ; Sink name
0D48            <SB1,    255,T, , ,L>,-     ; For user specified use
0D48            <SB2,    255,T, , ,L>,-     ; For user specified use
0D48            <SB3,    255,T,C, ,L>,-     ; For user specified use
0D48    >>
```

```
0FF0    ;
0FF0    ; Event Filter Information
0FF0    ;
0FF0    $DEFCNR EFI,-
0FF0
0FF0       V,<<-
0FF0            <LCK,       ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0FF0            -                        ; written.
0FF0    >>,L,<<-
0FF0            <SIN,       ,Z, ,S,W>,-  ; Sink node address
0FF0            <SP1,       ,Z, , ,W>,-  ; Spare
0FF0            <B1,        ,Z,C, ,L>,-  ; For user specified use
0FF0            <B2,        ,Z, , ,L>,-  ; For user specified use
0FF0    >>,S,<<-
0FF0            <COL, CTXSZ, ,R,S,$>,-   ; Field used to collate the database
0FF0            <EVE,  1023,T, ,M,L>,-   ; Event list
0FF0            <SB1,   255,T, , ,L>,-   ; For user specified use
0FF0            <SB2,   255,T, , ,L>,-   ; For user specified use
0FF0            <SB3,   255,T,C, ,L>,-   ; For user specified use
0FF0    >>
```

```
1298        ;
1298        ; LOGICAL LINK INFORMATION
1298        ;
1298                ;
1298                ; Define some symbols so that the semantic table can be built
1298                ;
1298        $DEFCNR LLI,-                            ; Build the semantic table
1298
1298          V,<<-
1298                <LCK,       ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
1298        >>,L,<<-
1298                <PID,       ,Z,E, ,$>,-  ; Process I.D. of owner (external format)
1298                <IPID,      ,Z,E, ,$>,-  ; Process I.D. of owner (internal format)
1298                <PNA,       ,Z,E, ,$>,-  ; Partner (remote) node address
1298                <LLN,       , ,E, ,$>,-  ; Local link number from XWB
1298                <RLN,       ,Z,E, ,$>,-  ; Remote link number
1298                <DLY,       , ,E, ,$>,-  ; Round trip delay time
1298                <STA,       , ,E, ,$>,-  ; State
1298                <XWB,       ,Z,N, ,L>,-  ; Pointer to associated XWB
1298        >>,S,<<-
1298                <COL, CTXSZ, ,R,S,$>,-   ; Field used to collate the database
1298                <USR,     39, ,R, ,$>,-  ; User id
1298                <PRC,     39, ,R, ,$>,-  ; Process name
1298                <PNN,      6, ,R, ,$>,-  ; Remote node name
1298                <RID,       , ,R, ,$>,-  ; Remote i.d. (PID, process name, username, etc)
1298                <CNT,       ,T,R, ,$>,-  ; Counters
1298        >>
1540
```

```
1540  ;
1540  ; Server Process Information
1540  ;
1540  $DEFCNR SPI,-
1540  
1540     V,<<-
1540          <LCK,        ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
1540          -                         ; written.
1540          <PRL,        ,Z,E, , >,-  ; Proxy flag which initially started server
1540  >>,L,<<-
1540          <PID,        ,Z,E,S,L>,-  ; PID of server process
1540          <IRP,        ,Z,N, ,L>,-  ; IRP of waiting DECLSERV QIO.  0 if working.
1540          <CHN,        ,Z,N, ,W>,-  ; Channel associated with IRP (for cancel)
1540          <RNA,        ,Z,E, ,W>,-  ; Remote node address which initially started
1540          -                         ; the server process
1540  >>,S,<<-
1540          <COL, CTXSZ, ,R,S,$>,-   ; Field used to collate the database
1540          <ACS,   255, ,N, ,L>,-   ; ACS used to initially start server process
1540          <RID,   255, ,E, ,L>,-   ; Remote user ID which initially started server
1540          <SFI,   255, ,E, ,L>,-   ; Last (current) SFI given to server process
1540          <NCB,   255, ,E, ,L>,-   ; Last (current) NCB given to server process
1540          <PNM,   255, ,E, ,L>,-   ; Last (current) process name given to server
1540  >>
```

```
                  17E8   ;
                  17E8   ; Adjacency Information
                  17E8   ;
                  17E8   $DEFCNR AJI,-
                  17E8
                  17E8       V,<<-
                  17E8               <LCK,       , ,R, ,$>,-   ; Set if conditionally writable fields may not
                  17E8               -                         ; written.
                  17E8               <REA,       , ,R, ,$>,-   ; True if adjacency in "run" state (two-way)
                  17E8   >>,L,<<-
                  17E8               <ADD,       , ,R, ,$>,-   ; Partner node address
                  17E8               <TYP,       , ,R, ,$>,-   ; Partner node type
                  17E8               <LIT,       , ,R, ,$>,-   ; Adjacency listen interval
                  17E8               <BLO,       , ,R, ,$>,-   ; Partner block size
                  17E8               <RPR,       , ,R, ,$>,-   ; Partner broadcast router priority
                  17E8   >>,S,<<-
                  17E8               <COL, CTXSZ, ,R,S,$>,-    ; Field used to collate the database
                  17E8               <NNA,       , ,R, ,$>,-   ; Partner node name
                  17E8               <CIR,       , ,R, ,$>,-   ; Circuit name
                  17E8   >>
                  1A90
                  1A90   NET$T_CNF_AJI::
        00001AB6  1A90               .BLKB   CNF$C_LENGTH+2    ; Define dummy AJI CNF block
                  1AB6                                         ; (the extra word is used to hold "previous"
                  1AB6                                         ;  entry in the database)
        00000000  1AB6   AJI$C_LENGTH = 0                      ; There is no actual storage for this database
```

```
                  1AB6  ;
                  1AB6  ; Service (DLE) Information
                  1AB6  ;
                  1AB6  $DEFCNR SDI,-
                  1AB6
                  1AB6     V,<<-
                  1AB6           <LCK,         , ,R, ,$>,-  ; Set if conditionally writable fields may not
                  1AB6           -                          ; written.
                  1AB6  >>,L,<<-
                  1AB6           <SUB,         , ,R, ,$>,-  ; Service substate
                  1AB6           <PID,         , ,R, ,$>,-  ; Process I.D. of owner
                  1AB6  >>,S,<<-
                  1AB6           <COL, CTXSZ, ,R,S,$>,-     ; Field used to collate the database
                  1AB6           <CIR,         , ,R, ,$>,-  ; Circuit name
                  1AB6           <PHA,         , ,R, ,$>,-  ; Service phys. addr. (BC only)
                  1AB6           <PRC,         , ,R, ,$>,-  ; Process name
                  1AB6  >>
                  1D60
                  1D60  NET$T_CNF_SDI::
00001D86          1D60           .BLKB   CNF$C_LENGTH+2     ; Define dummy SDI CNF block
                  1D86                                      ; (the extra word is used to hold "previous"
                  1D86                                      ;  entry in the database)
00000000          1D86  SDI$C_LENGTH = 0                    ; There is no actual storage for this database
```

```
                1D86    ;
                1D86    ; AREA (LEVEL 2) INFORMATION
                1D86    ;
                1D86    $DEFCNR   ARI,-
                1D86
                1D86       V,<<-
                1D86               <LCK,       , ,R, ,$>,-   ; Set if conditionally writable fields may not
                1D86               -                         ; written.
                1D86               <REA,       , ,R, ,$>,-   ; Set if the area is reachable
                1D86    >>,L,<<-
                1D86               <ADD,       , ,R, ,$>,-   ; Area number
                1D86               <DCO,       , ,R, ,$>,-   ; Total cost to nearest level 2 rtr in area
                1D86               <DHO,       , ,R, ,$>,-   ; Total hops to nearest level 2 rtr in area
                1D86               <NND,       , ,R, ,$>,-   ; Next hop node on way to remote area
                1D86    >>,S,<<-
                1D86               <COL, CTXSZ, ,R,S,$>,-    ; Collating field
                1D86               <DLI,       , ,R, ,$>,-   ; Circuit used for normal traffic to area
                1D86    >>
                2030
                2030    NET$T_CNF_ARI::
00002056        2030               .BLKB   CNF$C_LENGTH+2    ; Define dummy ARI CNF block
                2056                                         ; (the extra word is used to hold "previous"
                2056                                         ;  entry in the database)
00000000        2056    ARI$C_LENGTH = 0                     ; There is no actual storage for this database
```

```
                                             2056
                                         00000000        .PSECT  TABLES_PURE,NOWRT,NOEXE,LONG
                                             0000
                                             0000
00000000'00000000'00000000'00000000'  0000  NET$AL_CNF_DFLT::  .LONG  0[NFB$C_DB_MAX+1]  ; Vector of tables used to supply
00000000'00000000'00000000'00000000'  0010
00000000'00000000'00000000'00000000'  0020
00000000'00000000'00000000'00000000'  0030
00000000'00000000'00000000'00000000'  0040
00000000'00000000'00000000'00000000'  0050
00000000'00000000'00000000'00000000'  0060
                                      0070                                        ; default database param values
                                      0070
                                      0070  $CNF_DEF LNI,-                     ; Local Node Default Parameter Settings
                                      0070
                                      0070      <-
                                      0070          <DAC,L, NMA$C_ACES_BOTH>,- ; Default access switch
                                      0070          <DPX,L, NMA$C_ACES_BOTH>,- ; Default proxy access switch
                                      0070          <ETY,L, ADJ$C_PTY_PH4>,-   ; Type = Phase IV routing
                                      0070
                                      0070          <DFA,L,   80>,-          ; Delay factor
                                      0070          <DWE,L,    5>,-          ; Delay weight
                                      0070          <RFA,L,   10>,-          ; Retransmit factor
                                      0070          <ITI,L,   45>,-          ; Incoming timer                 (units = sec)
                                      0070          <OTI,L,   45>,-          ; Outgoing timer                 (units = sec)
                                      0070          <IAT,L,   60>,-          ; Inactivity timer               (units = sec)
                                      0070          <RTI,L,  600>,-          ; Routing timer                  (units = sec)
                                      0070          <BRT,L,   40>,-          ; Broadcast routing timer        (units = sec)
                                      0070          <RSI,L,    1>,-          ; Min routing delay interval     (units = sec)
                                      0070          <MLK,L,   32>,-          ; Maximum supported logical links
                                      0070          <MCO,L, 1022>,-          ; Maximum cost
                                      0070          <MHO,L,   30>,-          ; Maximum hops
                                      0070          <MVI,L,   63>,-          ; Maximum visits
                                      0070          <MBR,L,   32>,-          ; Maximum broadcast routers
                                      0070          <MBE,L,   64>,-          ; Maximum broadcast endnodes
                                      0070      >
                                      0104
                                      0104  NET$G_LNI_AREA::                  ; Defaults for area routers
                                      0104      $CNF_DEF_TAB LNI,-
                                      0104
                                      0104      <-
                                      0104          <MAR,L,   63>,-          ; Max areas
                                      0104          <AMC,L, 1022>,-          ; Area max cost
                                      0104          <AMH,L,   30>,-          ; Area max hops
                                      0104      >
                                      0120
                                      0120  $CNF_DEF  NDI,-                  ; Remote Node Default Parameter Settings
                                      0120                                   ; No default settings
                                      0124
                                      0124  $CNF_DEF  CRI,-                  ; Defaults for all types of circuits
                                      0124
                                      0124      <-
                                      0124          <STA,L, NMA$C_STATE_OFF>,- ; State set by user
                                      0124      >
                                      0130
                                      0130  NET$G_CRI_TRN::                   ; Defaults for all types of Transport circuits
                                      0130      $CNF_DEF_TAB CRI,-
```

```
0130
0130         <-
0130              <COS,l,  10>,-                  ; Cost
0130              <HET,l,  15>,-                  ; Hello timer              (seconds)
0130         >
0144
0144    NET$G_CRI_DDCMP::                         ; Defaults for DDCMP circuits
0144         $CNF_DEF_TAB CRI,-
0144
0144         <-
0144              <SER,v, NMA$C_LINSV_ENA>,- ; Service enabled
0144              <VER,v, NMA$C_CIRVE_DIS>,- ; Transport verification (0 if requested)
0144         >
0158
0158    NET$G_CRI_X25::                           ; Defaults for X25 circuits
0158         $CNF_DEF_TAB CRI,-
0158
0158         <-
0158              <TYP,l, NMA$C_CIRTY_X25>,- ; Circuit type
0158         >
0164
0164    NET$G_CRI_DLM::                           ; Defaults for DLM circuits
0164         $CNF_DEF_TAB CRI,-
0164
0164         <-
0164              <VER,v, NMA$C_CIRVE_DIS>,- ; Transport verification (0 if requested)
0164         >
0170
0170    NET$G_CRI_DLMOUT::                        ; Defaults for outgoing DLM circuits
0170         $CNF_DEF_TAB CRI,-
0170
0170         <-
0170              <MRC,l, 100>,-                  ; Prevent infinite outgoing calls
0170              <RCT,l, 60>,-                   ; Retry call every 60 seconds
0170         >
0184
0184    NET$G_CRI_NI::                            ; Defaults for NI circuits
0184         $CNF_DEF_TAB CRI,-
0184
0184         <-
0184              <SER,v,  NMA$C_LINSV_DIS>,- ; Service disabled
0184              <TYP,l,  NMA$C_CIRTY_NI>,-  ; Circuit type = Ethernet (read only)
0184              <RPR,l,  64>,-                  ; Router priority on NI
0184         >
01A0
01A0    $CNF_DEF  PLI,-                           ; Defaults for all types of physical lines
01A0
01A0         <-
01A0              <STA,l, NMA$C_STATE_OFF>,- ; State set by user
01A0         >
01AC
01AC    NET$G_PLI_DDCMP::                         ; Defaults for DDCMP lines
01AC         $CNF_DEF_TAB PLI,-
01AC
01AC         <-
01AC              <DUP,v, NMA$C_DPX_FUL>,-   ; Duplex                   (set if halfduplex)
01AC              <CON,v, NMA$C_LINCN_NOR>,- ; Controller               (set if loopback)
```

```
01AC            <BFN,L, 4>,-                    ; Number of rcv buffers in pool
01AC            <STI,L, 4000>,-                 ; Service I/O timeout value of 4 seconds
01AC        >
01D0
01D0    NET$G_PLI_LAPB::                        ; Defaults for LAPB lines
01D0        $CNF_DEF_TAB PLI,-
01D0
01D0        <-
01D0            <CON,V, NMA$C_LINCN_NOR>,- ; Controller         (set if loopback)
01D0            <BFN,L, 4>,-                    ; Number of rcv buffers in pool
01D0        >
01E4
01E4    NET$G_PLI_NI::                          ; Defaults for NI lines
01E4        $CNF_DEF_TAB PLI,-
01E4
01E4        <-
01E4            <CON,V, NMA$C_LINCN_NOR>,- ; Controller         (set if loopback)
01E4            <BFN,L, 6>,-                    ; Number of rcv buffers in pool
01E4            <BFS,L, 1498>,-                 ; Size of desired transport messages
01E4            <STI,L, 4000>,-                 ; Service I/O timeout value of 4 seconds
01E4        >
0208
0208    $CNF_DEF  OBI,-                         ; Network Object Default Parameter Settings
0208                                            ; No default settings
020C
020C    $CNF_DEF  ESI,-                         ; Event Sink default parameter settings
020C                                            ; No default settings
0210
0210    $CNF_DEF  EFI,-                         ; Event Filter default parameter settings
0210                                            ; No default settings
0214
0214    $CNF_DEF  LLI,-                         ; Logical-link default parameter settings
0214                                            ; No default settings
0218
0218    $CNF_DEF  SPI,-                         ; Server Process default parameter settings
0218                                            ; No default settings
021C
021C    $CNF_DEF  AJI,-                         ; Adjacency default parameter settings
021C                                            ; No default settings
0220
0220    $CNF_DEF  SDI,-                         ; Service (DLE) default parameter settings
0220                                            ; No default settings
0224
0224    $CNF_DEF  ARI,-                         ; Adjacency default parameter settings
0224                                            ; No default settings
0228
```

```
00002056                .PSECT  TABLES_IMPURE,WRT,EXE,GBL,LONG
    2056
    2056        ;
    2056        ;  Build the TASK OBI
    2056        ;
    2056        BLD_OBI_TASK:   $BLDCNF obi,<-
    2056                                <obi,s,nam, TASK>      -; Object name
    2056                                <obi,l,num, 0>         -; Object number
    2056                                >
    2070        BLD_OBI_FAL:    $BLDCNF obi,<-
    2070                                <obi,s,nam, FAL>       -; Object name
    2070                                <obi,l,num, 17>        -; Object number
    2070                                <obi,s,fid, <FAL.EXE>>-; Object filespec
    2070                                >
    2095        BLD_OBI_HLD:    $BLDCNF obi,<-
    2095                                <obi,s,nam, HLD>       -; Object name
    2095                                <obi,l,num, 18>        -; Object number
    2095                                >
    20AE        BLD_OBI_NML:    $BLDCNF obi,<-
    20AE                                <obi,s,nam, NML>       -; Object name
    20AE                                <obi,l,num, 19>        -; Object number
    20AE                                <obi,s,fid, <NML.EXE>>-; Object filespec
    20AE                                >
    20D3        BLD_OBI_REMACP: $BLDCNF obi,<-
    20D3                                <obi,s,nam, REMACP>    -; Object name
    20D3                                <obi,l,num, 23>        -; Object number
    20D3                                >
    20EF        BLD_OBI_MIRROR: $BLDCNF obi,<-
    20EF                                <obi,s,nam, MIRROR>    -; Object name
    20EF                                <obi,l,num, 25>        -; Object number
    20EF                                >
    210B        BLD_OBI_EVL:    $BLDCNF obi,<-
    210B                                <obi,s,nam, EVL>       -; Object name
    210B                                <obi,l,num, 26>        -; Object number
    210B                                >
    2124        BLD_OBI_MAIL:   $BLDCNF obi,<-
    2124                                <obi,s,nam, MAIL>      -; Object name
    2124                                <obi,l,num, 27>        -; Object number
    2124                                <obi,l,prx, NMA$C_ACES_OUTG> - ; Proxy access
    2124                                <obi,s,fid, <MAIL.EXE>>-; Object filespec
    2124                                >
    2154        BLD_OBI_PHONE:  $BLDCNF obi,<-
    2154                                <obi,s,nam, PHONE>     -; Object name
    2154                                <obi,l,num, 29>        -; Object number
    2154                                <obi,l,prx, NMA$C_ACES_OUTG> - ; Proxy access
    2154                                <obi,s,fid, <PHONE.EXE>>-; Object filespec
    2154                                >
    2186        BLD_OBI_CTERM:  $BLDCNF obi,<-
    2186                                <obi,s,nam, CTERM>     -; Object name
    2186                                <obi,l,num, 42>        -; Object number
    2186                                >
    21A1        BLD_OBI_DTR:    $BLDCNF obi,<-
    21A1                                <obi,s,nam, DTR>       -; Object name
    21A1                                <obi,l,num, 63>        -; Object number
    21A1                                >
    21BA        BLD_OBI_MOM:    $BLDCNF obi,<-
    21BA                                <obi,s,nam, $MOM>      -; Object name
```

```
              21BA                        <obi,l,num, 0>         -; Object number
              21BA                >
              21D4  BLD_OBI_NICONFIG:
              21D4                $BLDCNF obi,<-
              21D4                        <obi,s,nam, $NICONFIG> -; Object name
              21D4                        <obi,l,num, 0>         -; Object number
              21D4                >
              21F3
              21F3  ;
              21F3  ;  Build NDI block for the local node
              21F3  ;
              21F3  BLD_NDI_LOC:  $BLDCNF ndi,<-
              21F3                        <ndi,l,ADD, 0>         -; Address is 0 at boot time
              21F3                >
              2204
              2204  ;
              2204  ;  Build the LNI block
              2204  ;
              2204  BLD_LNI:      $BLDCNF lni,<-
              2204                        <lni,l,sta, LNI$C_STA_INIT> -; Local state
              2204
              2204                        <lni,l,add, 0>         -; Local address
              2204                        <lni,l,mln, 16>        -; Max circuits
              2204                        <lni,l,mbu, 100>       -; Max buffers
              2204                        <lni,l,mad, 32>        -; Max node address
              2204                        <lni,l,bus, 576>       -; Buffer size
              2204                        <lni,l,piq, 3000>      -; Pipeline quota
              2204                        <lni,s,nve, 400>       -; NSP version is 4.0.0
              2204                        <lni,s,rve, 200>       -; Routing version is 2.0.0
              2204                        <lni,s,mve, 400>       -; Network Management version
              2204                                               -; is 4.0.0
              2204
              2204                        <lni,s,ide, <DECnet-VAX V4.0,  VMS 12345678>> -
              2204                     >
              2286
    0000227A  2286  .=.-12                                  ; Backup in order to stuff version
    00002282  227A  NET$GQ_VERSION:: .BLKB  8               ; of VMS
              2282
    00000000  2282           .LONG  0                     ; All $BLDCNF blocks are terminated by
              2286                                        ; a zero
              2286
```

```
                    00000000        .PSECT  NET_INIT_CODE,NOWRT,EXE
                        0000  ;+
                        0000  ; NET$INI_CONFIG - Init internal configuration data base
                        0000  ;
                        0000  ; FUNCTIONAL DESCRIPTION:
                        0000  ;
                        0000  ;-
                        0000
                        0000  NET$INI_CONFIG::
                  0FFC  0000          .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
                        0002
        00000000'EF   D4  0002          CLRL    NET$GL_FLAGS              ; Clear internal flags
                        0008          ;
                        0008          ;   Allocate the utility buffer
                        0008          ;
     51   1000 8F   3C  0008          MOVZWL  #NET$C_UTLBUFSIZ,R1       ; Set size of utility buffer
        00000000'EF   16  000D          JSB     NET$ALLOCATE              ; Allocate the storage
    00000004'EF   52  D0  0013          MOVL    R2,NET$GL_UTLBUF          ; Store address of buffer
                        001A          ;
                        001A          ; Allocate a dummy NDI CNF block which is used to represent
                        001A          ; nodes which are reachable, but not in the NDI list (phantom).
                        001A          ;
  5B    00000008'EF   D0  001A          MOVL    NET$GL_CNR_NDI,R11        ; Setup NDI root
        00000000'EF   16  0021          JSB     CNF$INIT_UTL              ; Init "utility buffer" as a CNF
                  58  D4  0027          CLRL    R8                        ; Use harmless field value
                        0029          $CNFFLD ndi,l,add,R9              ; Stuff it into the CNF
        00000000'EF   16  0030          JSB     CNF$PUT_FIELD             ;
               04 50  E8  0036          BLBS    R0,4$                     ; If LBS then okay
                        0039          BUG_CHECK  NETNOSTATE,FATAL       ; Programming error
        00000000'EF   16  003D  4$:     JSB     CNF$CLONE                 ; Clone a CNF copy from ACP pool
               04 50  E8  0043          BLBS    R0,6$                     ; If LBS then okay
                        0046          BUG_CHECK  NETNOSTATE,FATAL       ; Programming error
                  04  88  004A  6$:     BISB    #CNF$M_FLG_ACP,-          ; Mark it as the catch-all CNF
               0B AA      004C                  CNF$B_FLG(R10)            ;
    00000008'EF   5A  D0  004E          MOVL    R10,NET$GL_DUM_NDI        ; Store it
                        0055          ;
                        0055          ;   Initialize CNR pointers to the tree root
                        0055          ;
        000002A8'EF   D4  0055          CLRL    NET$GL_COL_TREE           ; Initialize the COLLATE root
        000002AC'EF   D4  005B          CLRL    NET$GL_NAME_TREE          ; Initialize the NAME root
                        0061          ;
                        0061          ;   Insert minimally required entries into data base
                        0061          ;
  56    00000070'EF   DE  0061          MOVAL   BLD_VEC,R6                ; Setup vector pointer
             55   86  D0  0068  10$:    MOVL    (R6)+,R5                  ; Get address of parameter buffer
                  46  13  006B          BEQL    60$                       ; Done if EQL
             5B   85  D0  006D          MOVL    (R5)+,R11                 ; Get the CNR pointer
        00000000'EF   16  0070          JSB     CNF$INIT_UTL              ; Init "utility buffer" as a CNF
               04 50  E8  0076          BLBS    R0,20$                    ; If LBS then okay
                        0079          BUG_CHECK NETNOSTATE,FATAL        ; Else programming bug
             59   85  D0  007D  20$:    MOVL    (R5)+,R9                  ; Get next field i.d.
                  1D  13  0080          BEQL    50$                       ; If EQL then no more fields
             57   85  9A  0082          MOVZBL  (R5)+,R7                  ; Get size of string
                  08  13  0085          BEQL    30$                       ; If EQL then its not a string
             58   65  9E  0087          MOVAB   (R5),R8                   ; Point to string
             55   57  C0  008A          ADDL    R7,R5                     ; Advance past string
                  03  11  008D          BRB     40$                       ; Continue in common
```

```
          58    85    D0  008F  30$:    MOVL    (R5)+,R8               ; Get field value
   00000000'EF    16      0092  40$:    JSB     CNF$PUT_FIELD          ; Move the field to the CNF block
          E2 50    E8     0098          BLBS    R0,20$                 ; If LBS then successful, loop
                          009B          BUG_CHECK NETNOSTATE,FATAL     ; Else programming bug
             56    DD     009F  50$:    PUSHL   R6                     ; Save reg
             56    D4     00A1          CLRL    R6                     ; Say "no former CNF to replace"
   00000000'EF    16      00A3          JSB     CNF$INSERT             ; Insert the CNF block
          56 8ED0         00A9          POPL    R6                     ; Restore reg
          B9 50    E8     00AC          BLBS    R0,10$                 ; Loop if successful
                          00AF          BUG_CHECK NETNOSTATE,FATAL     ; Else a bug exists
                          00B3          ;
                          00B3          ;       Initialize the NDC counter area
                          00B3          ;
        FF4A'   30        00B3  60$:    BSBW    NET$INIT_NDCOU         ; Initialize NDC area
                          00B6          ;
                          00B6          ;       Done
                          00B6          ;
       50    01    D0     00B6  100$:   MOVL    #1,R0                  ; Indicate success
                   04     00B9          RET                            ; Done
                          00BA
                          00BA  .END
```

```
ACP$C_STA_F                     = 00000004
ACP$C_STA_H                     = 00000005
ACP$C_STA_I                     = 00000000
ACP$C_STA_N                     = 00000001
ACP$C_STA_R                     = 00000002
ACP$C_STA_S                     = 00000003
ADJ$C_PTY_PH4                   = 00000004
AJI$C_LENGTH                    = 00000000
ARI$C_LENGTH                    = 00000000
BIT...                          = 00000006
BLD_LNI                           00002204 R     05
BLD_NDI_LOC                       000021F3 R     05
BLD_OBI_CTERM                     00002186 R     05
BLD_OBI_DTR                       000021A1 R     05
BLD_OBI_EVL                       0000210B R     05
BLD_OBI_FAL                       00002070 R     05
BLD_OBI_HLD                       00002095 R     05
BLD_OBI_MAIL                      00002124 R     05
BLD_OBI_MIRROR                    000020EF R     05
BLD_OBI_MOM                       000021BA R     05
BLD_OBI_NICONFIG                  000021D4 R     05
BLD_OBI_NML                       000020AE R     05
BLD_OBI_PHONE                     00002154 R     05
BLD_OBI_REMACP                    000020D3 R     05
BLD_OBI_TASK                      00002056 R     05
BLD_VEC                           00000070 R     02
BUG$_NETNOSTATE                   ********   X   07
CNF$B_FLG                       = 0000000B
CNF$CLONE                         ********   X   07
CNF$C_LENGTH                    = 00000024
CNF$INIT_UTL                      ********   X   07
CNF$INSERT                        ********   X   07
CNF$M_FLG_ACP                   = 00000004
CNF$M_FLG_CNR                   = 00000001
CNF$PUT_FIELD                     ********   X   07
CNF$W_BOOLEAN                   = 00000014
CNF$_ADVANCE                    = 00000000
CNF$_QUIT                       = 00000002
CNF$_TAKE_CURR                  = 00000003
CNF$_TAKE_PREV                  = 00000001
CNR$B_FLG                       = 0000000B
CNR$B_TYPE                      = 0000000A
CNR$C_ACC_C                     = 00000003
CNR$C_ACC_E                     = 00000004
CNR$C_ACC_N                     = 00000005
CNR$C_ACC_R                     = 00000001
CNR$C_ACC_RW                    = 00000000
CNR$C_ACC_W                     = 00000002
CNR$C_LENGTH                    = 000002A8
CNR$C_MAX_INX                   = 0000005F
CNR$C_SEM_A                     = 00000001
CNR$C_SEM_B                     = 00000001
CNR$C_SEM_BIT                   = 00000000
CNR$C_SEM_F                     = 00000002
CNR$C_SEM_L                     = 00000003
CNR$C_SEM_STR                   = 00000004
CNR$C_SEM_T                     = 00000000
CNR$C_SEM_W                     = 00000002
CNR$L_ACT_DELETE                = 00000028
CNR$L_ACT_DFLT                  = 00000020
CNR$L_ACT_INSERT                = 00000024
CNR$L_ACT_QIO                   = 00000018
CNR$L_ACT_REMOVE                = 0000002C
CNR$L_ACT_SHOW                  = 0000001C
CNR$L_BLINK                     = 00000004
CNR$L_COLBTE                    = 00000000
CNR$L_END_ACT                   = 0000007C
CNR$L_END_MAND                  = 000000E0
CNR$L_END_UNIQ                  = 00000124
CNR$L_FLD_COLL                  = 00000014
CNR$L_FLD_LOCK                  = 00000010
CNR$L_FLINK                     = 00000000
CNR$L_INSERT                    = 00000034
CNR$L_NAMEBTE                   = 00000004
CNR$L_SCANNER                   = 00000030
CNR$L_SEM_TAB                   = 00000128
CNR$L_SPCSCAN                   = 00000038
CNR$L_VEC_ACT                   = 0000003C
CNR$L_VEC_MAND                  = 00000080
CNR$L_VEC_UNIQ                  = 000000E4
CNR$V_SEM_ACC                   = 0000000B
CNR$V_SEM_MAX                   = 00000010
CNR$V_SEM_OFF                   = 00000000
CNR$V_SEM_RT                    = 0000000E
CNR$V_SEM_TAB                   = 0000001C
CNR$V_SEM_TYP                   = 00000008
CNR$V_SEM_Z                     = 0000000F
CNR$W_MAX_INX                   = 0000000E
CNR$W_SIZE                      = 00000008
CNR$W_SIZ_CNF                   = 0000000C
CNR_AJI                           000017E8 RG    05
CNR_ARI                           00001D88 RG    05
CNR_CRI                           00000550 RG    05
CNR_EFI                           00000FF0 RG    05
CNR_ESI                           00000D48 RG    05
CNR_LLI                           00001298 RG    05
CNR_LNI                           00000000 RG    05
CNR_NDI                           000002A8 RG    05
CNR_OBI                           00000AA0 RG    05
CNR_PLI                           000007F8 RG    05
CNR_SDI                           00001AB8 RG    05
CNR_SPI                           00001540 RG    05
CRI$B_ACB                       = 00000035
CRI$B_ACI                       = 00000036
CRI$B_CHN                       = 0000000D
CRI$B_COS                       = 00000018
CRI$B_DTH                       = 0000003D
CRI$B_DYB                       = 0000003A
CRI$B_DYI                       = 0000003B
CRI$B_DYT                       = 0000003C
CRI$B_IAB                       = 00000037
CRI$B_IAI                       = 00000038
CRI$B_IAT                       = 00000039
CRI$B_MRB                       = 00000033
```

```
CRI$B_MRC        = 00000019
CRI$B_MRT        = 0000003F
CRI$B_MTR        = 00000034
CRI$B_MWI        = 0000002A
CRI$B_PLS        = 00000021
CRI$B_POL        = 00000020
CRI$B_RPR        = 00000040
CRI$B_STA        = 0000000C
CRI$B_TRI        = 0000002B
CRI$B_TYP        = 00000022
CRI$B_USE        = 00000032
CRI$B_XPT        = 0000003E
CRI$C_LENGTH     = 00000041
CRI$L_CTA        = 00000008
CRI$L_OWPID      = 00000004
CRI$L_S_DTE      = 00000024
CRI$L_S_NAM      = 00000000
CRI$L_S_NUM      = 0000001C
CRI$W_BBT        = 0000002C
CRI$W_HET        = 00000014
CRI$W_LCT        = 0000000E
CRI$W_MBL        = 00000028
CRI$W_RCT        = 0000001A
CRI$W_TRT        = 0000002E
CTXSZ            = 0000003E
EFI$C_LENGTH     = 0000001C
EFI$L_B1         = 00000004
EFI$L_B2         = 00000008
EFI$L_S_EVE      = 0000000C
EFI$L_S_SB1      = 00000010
EFI$L_S_SB2      = 00000014
EFI$L_S_SB3      = 00000018
EFI$W_SIN        = 00000000
EFI$W_SP1        = 00000002
ESI$B_SNK        = 00000000
ESI$B_STA        = 00000001
ESI$C_LENGTH     = 0000001C
ESI$L_B1         = 00000004
ESI$L_B2         = 00000008
ESI$L_S_LNA      = 0000000C
ESI$L_S_SB1      = 00000010
ESI$L_S_SB2      = 00000014
ESI$L_S_SB3      = 00000018
ESI$W_SP1        = 00000002
LLI$C_LENGTH     = 00000040
LLI$L_XWB        = 00000000
LNI$B_AMH        = 00000037
LNI$B_DAC        = 0000002D
LNI$B_DFA        = 0000002A
LNI$B_DPX        = 0000002E
LNI$B_DWE        = 0000002B
LNI$B_ETY        = 00000003
LNI$B_LPD        = 0000000F
LNI$B_LPH        = 00000014
LNI$B_MAR        = 00000036
LNI$B_MHO        = 0000000C
LNI$B_MLN        = 0000000E
LNI$B_MVI        = 0000000D
LNI$B_RFA        = 0000002C
LNI$C_LENGTH     = 00000050
LNI$C_STA_INIT   = 00000004
LNI$L_SAD        = 00000032
LNI$L_S_IDE      = 00000040
LNI$L_S_MVE      = 0000004C
LNI$L_S_NVE      = 00000044
LNI$L_S_RVE      = 00000048
LNI$W_ACI        = 0000003A
LNI$W_AMC        = 00000038
LNI$W_BRT        = 00000024
LNI$W_BUS        = 00000016
LNI$W_IAT        = 0000001C
LNI$W_ITI        = 0000001E
LNI$W_LPC        = 00000010
LNI$W_LPL        = 00000012
LNI$W_MAD        = 00000006
LNI$W_MBE        = 00000026
LNI$W_MBR        = 00000028
LNI$W_MBU        = 00000008
LNI$W_MCO        = 0000000A
LNI$W_MLK        = 00000004
LNI$W_OTI        = 00000020
LNI$W_PIQ        = 0000002F
LNI$W_RSI        = 0000001A
LNI$W_RTI        = 00000022
LNI$W_SBS        = 00000018
MAX_PLVEC        = 00000021
MXDLL            = 00000040
MXLNK            = 000003FF
MXNOD            = 000003FF
NDI$B_ACC        = 00000030
NDI$B_CPU        = 00000036
NDI$B_PRX        = 00000031
NDI$B_SDV        = 00000035
NDI$B_SNV        = 00000032
NDI$B_STY        = 00000037
NDI$C_LENGTH     = 0000006C
NDI$L_CTA        = 00000004
NDI$L_DAD        = 0000003C
NDI$L_DCT        = 00000040
NDI$L_S_DFL      = 00000064
NDI$L_S_DUM      = 0000005C
NDI$L_S_HWA      = 00000068
NDI$L_S_LOA      = 0000004C
NDI$L_S_NAC      = 00000020
NDI$L_S_NLI      = 0000000C
NDI$L_S_NNA      = 00000008
NDI$L_S_NPW      = 00000024
NDI$L_S_NUS      = 0000001C
NDI$L_S_PAC      = 00000014
NDI$L_S_PPW      = 00000018
NDI$L_S_PUS      = 00000010
NDI$L_S_RPA      = 00000028
NDI$L_S_SDU      = 00000060
NDI$L_S_SID      = 00000058
```

```
NDI$L_S_SLI             = 00000044
NDI$L_S_SLO             = 00000050
NDI$L_S_SPA             = 00000048
NDI$L_S_TLO             = 00000054
NDI$L_S_TPA             = 0000002C
NDI$W_CTI               = 00000002
NDI$W_IHO               = 00000038
NDI$W_OHO               = 0000003A
NET$AJI_L_ADD             ********  X   05
NET$AJI_L_BLO             ********  X   05
NET$AJI_L_LIT             ********  X   05
NET$AJI_L_RPR             ********  X   05
NET$AJI_L_TYP             ********  X   05
NET$AJI_S_CIR             ********  X   05
NET$AJI_S_COL             ********  X   05
NET$AJI_S_NNA             ********  X   05
NET$AJI_V_LCK             ********  X   05
NET$AJI_V_REA             ********  X   05
NET$ALLOCATE              ********  X   07
NET$AL_CNF_DFLT           00000000 RG   06
NET$AL_CNR_TAB            00000000 RG   02
NET$ARI_L_ADD             ********  X   05
NET$ARI_L_DCO             ********  X   05
NET$ARI_L_DHO             ********  X   05
NET$ARI_L_NND             ********  X   05
NET$ARI_S_COL             ********  X   05
NET$ARI_S_DLI             ********  X   05
NET$ARI_V_LCK             ********  X   05
NET$ARI_V_REA             ********  X   05
NET$CRI_L_BLO             ********  X   05
NET$CRI_L_DRT             ********  X   05
NET$CRI_L_LIT             ********  X   05
NET$CRI_L_MST             ********  X   05
NET$CRI_L_PNA             ********  X   05
NET$CRI_L_SUB             ********  X   05
NET$CRI_S_CHR             ********  X   05
NET$CRI_S_CNT             ********  X   05
NET$CRI_S_COL             ********  X   05
NET$CRI_S_DEVNAM          ********  X   05
NET$CRI_S_LOO             ********  X   05
NET$CRI_S_PNN             ********  X   05
NET$CRI_S_VMSNAM          ********  X   05
NET$CRI_V_LCK             ********  X   05
NET$C_ACT_TIMER         = 0000001E
NET$C_EFN_ASYN          = 00000002
NET$C_EFN_WAIT          = 00000001
NET$C_IPL               = 00000008
NET$C_LINE_CTRS         = 00000008  G
NET$C_MAXACCFLD         = 00000027
NET$C_MAXLINNAM         = 0000000F
NET$C_MAXLNK            = 000003FF
NET$C_MAXNODNAM         = 00000006
NET$C_MAXOBJNAM         = 0000000C
NET$C_MAX_AREAS         = 0000003F
NET$C_MAX_LINES         = 00000040
NET$C_MAX_NCB           = 0000006E
NET$C_MAX_NODES         = 000003FF
NET$C_MAX_OBJ           = 000000FF
NET$C_MAX_WQE           = 00000014
NET$C_MINBUFSIZ         = 000000C0
NET$C_TID_ACT           = 00000003
NET$C_TID_RUS           = 00000001
NET$C_TID_XRT           = 00000002
NET$C_TRCTL_CEL         = 00000002
NET$C_TRCTL_OVR         = 00000005
NET$C_UTLBUFSIZ         = 00001000
NET$DEFAULT_AJI           ********  X   05
NET$DEFAULT_ARI           ********  X   05
NET$DEFAULT_CRI           ********  X   05
NET$DEFAULT_EFI           ********  X   05
NET$DEFAULT_ESI           ********  X   05
NET$DEFAULT_LLI           ********  X   05
NET$DEFAULT_LNI           ********  X   05
NET$DEFAULT_NDI           ********  X   05
NET$DEFAULT_OBI           ********  X   05
NET$DEFAULT_PLI           ********  X   05
NET$DEFAULT_SDI           ********  X   05
NET$DEFAULT_SPI           ********  X   05
NET$DELETE_AJI            ********  X   05
NET$DELETE_ARI            ********  X   05
NET$DELETE_CRI            ********  X   05
NET$DELETE_EFI            ********  X   05
NET$DELETE_ESI            ********  X   05
NET$DELETE_LLI            ********  X   05
NET$DELETE_LNI            ********  X   05
NET$DELETE_NDI            ********  X   05
NET$DELETE_OBI            ********  X   05
NET$DELETE_PLI            ********  X   05
NET$DELETE_SDI            ********  X   05
NET$DELETE_SPI            ********  X   05
NET$EFI_S_COL             ********  X   05
NET$EFI_V_LCK             ********  X   05
NET$ESI_S_COL             ********  X   05
NET$ESI_V_LCK             ********  X   05
NET$GL_CNR_AJI            0000004C RG   02
NET$GL_CNR_ARI            00000050 RG   02
NET$GL_CNR_CRI            00000010 RG   02
NET$GL_CNR_EFI            00000018 RG   02
NET$GL_CNR_ESI            0000001C RG   02
NET$GL_CNR_LLI            00000020 RG   02
NET$GL_CNR_LNI            00000004 RG   02
NET$GL_CNR_NDI            00000008 RG   02
NET$GL_CNR_OBI            0000000C RG   02
NET$GL_CNR_PLI            00000014 RG   02
NET$GL_CNR_SDI            00000068 RG   02
NET$GL_CNR_SPI            00000048 RG   02
NET$GL_COL_TREE         = 000002A8 RG   05
NET$GL_DUM_NDI            00000008 RG   03
NET$GL_FLAGS              00000000 RG   04
NET$GL_LOCAL_NDI          00000018 RG   03
NET$GL_NAME_TREE        = 000002AC RG   05
NET$GL_NET_OCB            00000024 RG   03
NET$GL_PTR_AQB            00000004 RG   04
NET$GL_PTR_LNI            00000014 RG   03
```

NET$GL_PTR_UCBO	0000000C	RG	04	NET$NDI_L_ACL	********	X	05
NET$GL_PTR_VCB	00000008	RG	04	NET$NDI_L_ADD	********	X	05
NET$GL_SAVE_IRP	0000001C	RG	03	NET$NDI_L_DCO	********	X	05
NET$GL_SAVE_UCB	00000020	RG	03	NET$NDI_L_DEL	********	X	05
NET$GL_UTLBUF	00000004	RG	03	NET$NDI_L_DHO	********	X	05
NET$GQ_TMP_BUF	0000000C	RG	03	NET$NDI_L_DTY	********	X	05
NET$GQ_USR_STAT	00000028	RG	03	NET$NDI_L_NND	********	X	05
NET$GQ_UTLDESC	00000000	RG	03	NET$NDI_L_TAD	********	X	05
NET$GQ_VERSION	0000227A	RG	05	NET$NDI_S_CNT	********	X	05
NET$GW_NETCHAN	00000030	RG	03	NET$NDI_S_COL	********	X	05
NET$G_CRI_DDCMP	00000144	RG	06	NET$NDI_S_DLI	********	X	05
NET$G_CRI_DLM	00000164	RG	06	NET$NDI_S_HAC	********	X	05
NET$G_CRI_DLMOUT	00000170	RG	06	NET$NDI_S_NNN	********	X	05
NET$G_CRI_NI	00000184	RG	06	NET$NDI_V_LCK	********	X	05
NET$G_CRI_TRN	00000130	RG	06	NET$NDI_V_LOO	********	X	05
NET$G_CRI_X25	00000158	RG	06	NET$NDI_V_REA	********	X	05
NET$G_LNI_AREA	00000104	RG	06	NET$OBI_S_COL	********	X	05
NET$G_PLI_DDCMP	000001AC	RG	06	NET$OBI_S_IAC	********	X	05
NET$G_PLI_LAPB	000001D0	RG	06	NET$OBI_S_SFI	********	X	05
NET$G_PLI_NI	000001E4	RG	06	NET$OBI_S_ZNA	********	X	05
NET$INIT_NDCOU	********	X	07	NET$OBI_V_LCK	********	X	05
NET$INI_CONFIG	00000000	RG	07	NET$PLI_L_BUS	********	X	05
NET$INSERT_AJI	********	X	05	NET$PLI_L_PLVEC	********	X	05
NET$INSERT_ARI	********	X	05	NET$PLI_L_SUB	********	X	05
NET$INSERT_CRI	********	X	05	NET$PLI_S_CHR	********	X	05
NET$INSERT_EFI	********	X	05	NET$PLI_S_CNT	********	X	05
NET$INSERT_ESI	********	X	05	NET$PLI_S_COL	********	X	05
NET$INSERT_LLI	********	X	05	NET$PLI_S_DEVNAM	********	X	05
NET$INSERT_LNI	********	X	05	NET$PLI_S_VMSNAM	********	X	05
NET$INSERT_NDI	********	X	05	NET$PLI_V_LCK	********	X	05
NET$INSERT_OBI	********	X	05	NET$PRE_QIO_AJI	********	X	05
NET$INSERT_PLI	********	X	05	NET$PRE_QIO_ARI	********	X	05
NET$INSERT_SDI	********	X	05	NET$PRE_QIO_CRI	********	X	05
NET$INSERT_SPI	********	X	05	NET$PRE_QIO_EFI	********	X	05
NET$LLI_L_DLY	********	X	05	NET$PRE_QIO_ESI	********	X	05
NET$LLI_L_IPID	********	X	05	NET$PRE_QIO_LLI	********	X	05
NET$LLI_L_LLN	********	X	05	NET$PRE_QIO_LNI	********	X	05
NET$LLI_L_PID	********	X	05	NET$PRE_QIO_NDI	********	X	05
NET$LLI_L_PNA	********	X	05	NET$PRE_QIO_OBI	********	X	05
NET$LLI_L_RLN	********	X	05	NET$PRE_QIO_PLI	********	X	05
NET$LLI_L_STA	********	X	05	NET$PRE_QIO_SDI	********	X	05
NET$LLI_S_CNT	********	X	05	NET$PRE_QIO_SPI	********	X	05
NET$LLI_S_COL	********	X	05	NET$REMOVE_AJI	********	X	05
NET$LLI_S_PNN	********	X	05	NET$REMOVE_ARI	********	X	05
NET$LLI_S_PRC	********	X	05	NET$REMOVE_CRI	********	X	05
NET$LLI_S_RID	********	X	05	NET$REMOVE_EFI	********	X	05
NET$LLI_S_USR	********	X	05	NET$REMOVE_ESI	********	X	05
NET$LLI_V_LCK	********	X	05	NET$REMOVE_LLI	********	X	05
NET$LNI_L_ACL	********	X	05	NET$REMOVE_LNI	********	X	05
NET$LNI_L_ADD	********	X	05	NET$REMOVE_NDI	********	X	05
NET$LNI_L_STA	********	X	05	NET$REMOVE_OBI	********	X	05
NET$LNI_S_CNT	********	X	05	NET$REMOVE_PLI	********	X	05
NET$LNI_S_COL	********	X	05	NET$REMOVE_SDI	********	X	05
NET$LNI_S_NAM	********	X	05	NET$REMOVE_SPI	********	X	05
NET$LNI_S_PHA	********	X	05	NET$SCAN_AJI	********	X	05
NET$LNI_V_LCK	********	X	05	NET$SCAN_ARI	********	X	05
NET$M_MAXLNKMSK	= 000003FF			NET$SCAN_CRI	********	X	05

```
NET$SCAN_EFI        ********  X   05     NFB$C_AJI_ADD          = 13010010
NET$SCAN_ESI        ********  X   05     NFB$C_AJI_BLO          = 13010013
NET$SCAN_LLI        ********  X   05     NFB$C_AJI_CIR          = 13020042
NET$SCAN_LNI        ********  X   05     NFB$C_AJI_COL          = 13020040
NET$SCAN_NDI        ********  X   05     NFB$C_AJI_LCK          = 13000001
NET$SCAN_OBI        ********  X   05     NFB$C_AJI_LIT          = 13010012
NET$SCAN_PLI        ********  X   05     NFB$C_AJI_NNA          = 13020041
NET$SCAN_SDI        ********  X   05     NFB$C_AJI_REA          = 13000002
NET$SCAN_SPI        ********  X   05     NFB$C_AJI_RPR          = 13010014
NET$SDI_C_PID       ********  X   05     NFB$C_AJI_TYP          = 13010011
NET$SDI_L_SUB       ********  X   05     NFB$C_ARI_ADD          = 14010010
NET$SDI_S_CIR       ********  X   05     NFB$C_ARI_COL          = 14020040
NET$SDI_S_COL       ********  X   05     NFB$C_ARI_DCO          = 14010011
NET$SDI_S_PHA       ********  X   05     NFB$C_ARI_DHO          = 14010012
NET$SDI_S_PRC       ********  X   05     NFB$C_ARI_DLI          = 14020041
NET$SDI_V_LCK       ********  X   05     NFB$C_ARI_LCK          = 14000001
NET$SHOW_AJI        ********  X   05     NFB$C_ARI_NND          = 14010013
NET$SHOW_ARI        ********  X   05     NFB$C_ARI_REA          = 14000002
NET$SHOW_CRI        ********  X   05     NFB$C_CRI_ACB          = 04010029
NET$SHOW_EFI        ********  X   05     NFB$C_CRI_ACI          = 0401002A
NET$SHOW_ESI        ********  X   05     NFB$C_CRI_BBT          = 04010025
NET$SHOW_LLI        ********  X   05     NFB$C_CRI_BLK          = 04000003
NET$SHOW_LNI        ********  X   05     NFB$C_CRI_BLO          = 04010017
NET$SHOW_NDI        ********  X   05     NFB$C_CRI_CHN          = 04010021
NET$SHOW_OBI        ********  X   05     NFB$C_CRI_CHR          = 04020043
NET$SHOW_PLI        ********  X   05     NFB$C_CRI_CNT          = 04020044
NET$SHOW_SDI        ********  X   05     NFB$C_CRI_COL          = 04020040
NET$SHOW_SPI        ********  X   05     NFB$C_CRI_COS          = 04010018
NET$SPCINS_AJI      ********  X   05     NFB$C_CRI_CTA          = 04010011
NET$SPCINS_ARI      ********  X   05     NFB$C_CRI_DEVNAM       = 0402004A
NET$SPCINS_CRI      ********  X   05     NFB$C_CRI_DLM          = 04000005
NET$SPCINS_EFI      ********  X   05     NFB$C_CRI_DRT          = 04010036
NET$SPCINS_ESI      ********  X   05     NFB$C_CRI_DTE          = 04020049
NET$SPCINS_LLI      ********  X   05     NFB$C_CRI_DTH          = 04010031
NET$SPCINS_LNI      ********  X   05     NFB$C_CRI_DYB          = 0401002E
NET$SPCINS_NDI      ********  X   05     NFB$C_CRI_DYI          = 0401002F
NET$SPCINS_OBI      ********  X   05     NFB$C_CRI_DYT          = 04010030
NET$SPCINS_PLI      ********  X   05     NFB$C_CRI_HET          = 04010019
NET$SPCINS_SDI      ********  X   05     NFB$C_CRI_IAB          = 0401002B
NET$SPCINS_SPI      ********  X   05     NFB$C_CRI_IAI          = 0401002C
NET$SPCSCAN_AJI     ********  X   05     NFB$C_CRI_IAT          = 0401002D
NET$SPCSCAN_ARI     ********  X   05     NFB$C_CRI_LCK          = 04000001
NET$SPCSCAN_CRI     ********  X   05     NFB$C_CRI_LCT          = 04010015
NET$SPCSCAN_EFI     ********  X   05     NFB$C_CRI_LIT          = 0401001A
NET$SPCSCAN_ESI     ********  X   05     NFB$C_CRI_LOO          = 04020046
NET$SPCSCAN_LLI     ********  X   05     NFB$C_CRI_MBL          = 04010022
NET$SPCSCAN_LNI     ********  X   05     NFB$C_CRI_MRB          = 04010027
NET$SPCSCAN_NDI     ********  X   05     NFB$C_CRI_MRC          = 0401001B
NET$SPCSCAN_OBI     ********  X   05     NFB$C_CRI_MRT          = 04010034
NET$SPCSCAN_PLI     ********  X   05     NFB$C_CRI_MST          = 04010032
NET$SPCSCAN_SDI     ********  X   05     NFB$C_CRI_MTR          = 04010028
NET$SPCSCAN_SPI     ********  X   05     NFB$C_CRI_MWI          = 04010023
NET$SPI_S_COL       ********  X   05     NFB$C_CRI_NAM          = 04020041
NET$SPI_V_LCK       ********  X   05     NFB$C_CRI_NUM          = 04020048
NET$T_CNF_AJI       00001A90 RG   05     NFB$C_CRI_OWPID        = 04010010
NET$T_CNF_ARI       00002030 RG   05     NFB$C_CRI_PLS          = 0401001E
NET$T_CNF_SDI       00001D60 RG   05     NFB$C_CRI_PNA          = 04010016
```

```
NFB$C_CRI_PNN                  = 04020047
NFB$C_CRI_POL                  = 0401001D
NFB$C_CRI_RCT                  = 0401001C
NFB$C_CRI_RPR                  = 04010035
NFB$C_CRI_SER                  = 04000002
NFB$C_CRI_STA                  = 04010013
NFB$C_CRI_SUB                  = 04010014
NFB$C_CRI_TRI                  = 04010024
NFB$C_CRI_TRT                  = 04010026
NFB$C_CRI_TYP                  = 04010020
NFB$C_CRI_USE                  = 0401001F
NFB$C_CRI_VER                  = 04000004
NFB$C_CRI_VMSNAM               = 04020042
NFB$C_CRI_XPT                  = 04010033
NFB$C_CTX_SIZE                 = 00000040
NFB$C_DB_AJI                   = 00000013
NFB$C_DB_ARI                   = 00000014
NFB$C_DB_CRI                   = 00000004
NFB$C_DB_EFI                   = 00000006
NFB$C_DB_ESI                   = 00000007
NFB$C_DB_LLI                   = 00000008
NFB$C_DB_LNI                   = 00000001
NFB$C_DB_MAX                   = 0000001B
NFB$C_DB_NDI                   = 00000002
NFB$C_DB_OBI                   = 00000003
NFB$C_DB_PLI                   = 00000005
NFB$C_DB_SDI                   = 0000001A
NFB$C_DB_SPI                   = 00000012
NFB$C_EFI_B1                   = 06010012
NFB$C_EFI_B2                   = 06010013
NFB$C_EFI_COL                  = 06020040
NFB$C_EFI_EVE                  = 06020041
NFB$C_EFI_LCK                  = 06000001
NFB$C_EFI_SB1                  = 06020042
NFB$C_EFI_SB2                  = 06020043
NFB$C_EFI_SB3                  = 06020044
NFB$C_EFI_SIN                  = 06010010
NFB$C_EFI_SP1                  = 06010011
NFB$C_ESI_B1                   = 07010013
NFB$C_ESI_B2                   = 07010014
NFB$C_ESI_COL                  = 07020040
NFB$C_ESI_LCK                  = 07000001
NFB$C_ESI_LNA                  = 07020041
NFB$C_ESI_SB1                  = 07020042
NFB$C_ESI_SB2                  = 07020043
NFB$C_ESI_SB3                  = 07020044
NFB$C_ESI_SNK                  = 07010010
NFB$C_ESI_SP1                  = 07010012
NFB$C_ESI_STA                  = 07010011
NFB$C_LLI_CNT                  = 08010018
NFB$C_LLI_COL                  = 08020040
NFB$C_LLI_DLY                  = 08010010
NFB$C_LLI_IPID                 = 08010016
NFB$C_LLI_LCK                  = 08000001
NFB$C_LLI_LLN                  = 08010012
NFB$C_LLI_PID                  = 08010015
NFB$C_LLI_PNA                  = 08010014
NFB$C_LLI_PNN                  = 08020043
NFB$C_LLI_PRC                  = 08020042
NFB$C_LLI_RID                  = 08020044
NFB$C_LLI_RLN                  = 08010013
NFB$C_LLI_STA                  = 08010011
NFB$C_LLI_USR                  = 08020041
NFB$C_LLI_XWB                  = 08010017
NFB$C_LNI_ACL                  = 01010011
NFB$C_LNI_ADD                  = 01010010
NFB$C_LNI_ALI                  = 01010033
NFB$C_LNI_AMC                  = 01010030
NFB$C_LNI_AMH                  = 01010031
NFB$C_LNI_BRT                  = 0101002C
NFB$C_LNI_BUS                  = 01010024
NFB$C_LNI_CNT                  = 01020042
NFB$C_LNI_COL                  = 01020040
NFB$C_LNI_DAC                  = 01010028
NFB$C_LNI_DFA                  = 01010016
NFB$C_LNI_DPX                  = 01010029
NFB$C_LNI_DWE                  = 01010017
NFB$C_LNI_ETY                  = 0101001A
NFB$C_LNI_IAT                  = 01010018
NFB$C_LNI_IDE                  = 01020043
NFB$C_LNI_ITI                  = 01010012
NFB$C_LNI_LCK                  = 01000001
NFB$C_LNI_LPC                  = 01010025
NFB$C_LNI_LPD                  = 01010027
NFB$C_LNI_LPH                  = 0101002B
NFB$C_LNI_LPL                  = 01010026
NFB$C_LNI_MAD                  = 0101001E
NFB$C_LNI_MAR                  = 0101002D
NFB$C_LNI_MBE                  = 0101002E
NFB$C_LNI_MBR                  = 0101002F
NFB$C_LNI_MBU                  = 01010023
NFB$C_LNI_MCO                  = 01010020
NFB$C_LNI_MHO                  = 01010021
NFB$C_LNI_MLK                  = 01010015
NFB$C_LNI_MLN                  = 0101001F
NFB$C_LNI_MVE                  = 01020044
NFB$C_LNI_MVI                  = 01010022
NFB$C_LNI_NAM                  = 01020041
NFB$C_LNI_NVE                  = 01020045
NFB$C_LNI_OTI                  = 01010013
NFB$C_LNI_PHA                  = 01020047
NFB$C_LNI_PIQ                  = 0101002A
NFB$C_LNI_RFA                  = 01010019
NFB$C_LNI_RSI                  = 0101001C
NFB$C_LNI_RTI                  = 0101001B
NFB$C_LNI_RVE                  = 01020046
NFB$C_LNI_SAD                  = 0101001D
NFB$C_LNI_SBS                  = 01010032
NFB$C_LNI_STA                  = 01010014
NFB$C_LNI_SUP                  = 01000002
NFB$C_NDI_ACC                  = 02010020
NFB$C_NDI_ACL                  = 02010014
NFB$C_NDI_ADD                  = 02010012
NFB$C_NDI_CNT                  = 02020042
```

```
NFB$C_NDI_COL                  = 02020040          NFB$C_OBI_SET                  = 03000002
NFB$C_NDI_CPU                  = 0201001A          NFB$C_OBI_SFI                  = 03020042
NFB$C_NDI_CTA                  = 02010011          NFB$C_OBI_UCB                  = 03010012
NFB$C_NDI_CTI                  = 02010013          NFB$C_OBI_USR                  = 03020046
NFB$C_NDI_DAD                  = 0201001C          NFB$C_OBI_ZNA                  = 03020041
NFB$C_NDI_DCO                  = 02010017          NFB$C_PLI_BFN                  = 0501001E
NFB$C_NDI_DCT                  = 0201001D          NFB$C_PLI_BFS                  = 05010027
NFB$C_NDI_DEL                  = 02010015          NFB$C_PLI_BUS                  = 0501001F
NFB$C_NDI_DFL                  = 02020056          NFB$C_PLI_CHR                  = 05020043
NFB$C_NDI_DHO                  = 02010018          NFB$C_PLI_CLO                  = 05000005
NFB$C_NDI_DLI                  = 0202004D          NFB$C_PLI_CNT                  = 05020044
NFB$C_NDI_DTY                  = 02010016          NFB$C_PLI_COL                  = 05020040
NFB$C_NDI_DUM                  = 0202004A          NFB$C_PLI_CON                  = 05000004
NFB$C_NDI_HAC                  = 02020041          NFB$C_PLI_CTA                  = 05010010
NFB$C_NDI_HWA                  = 02020057          NFB$C_PLI_DDT                  = 0501001B
NFB$C_NDI_IHO                  = 0201001F          NFB$C_PLI_DEVNAM               = 05020047
NFB$C_NDI_LCK                  = 02000001          NFB$C_PLI_DLT                  = 0501001C
NFB$C_NDI_LOA                  = 02020046          NFB$C_PLI_DUP                  = 05000003
NFB$C_NDI_LOO                  = 02000002          NFB$C_PLI_EPT                  = 05010026
NFB$C_NDI_NAC                  = 02020052          NFB$C_PLI_HTI                  = 05010016
NFB$C_NDI_NLI                  = 0202004C          NFB$C_PLI_HWA                  = 05020046
NFB$C_NDI_NNA                  = 02020043          NFB$C_PLI_LCK                  = 05000001
NFB$C_NDI_NND                  = 02010022          NFB$C_PLI_LCT                  = 05010013
NFB$C_NDI_NNN                  = 02020059          NFB$C_PLI_MBL                  = 05010017
NFB$C_NDI_NPW                  = 02020053          NFB$C_PLI_MCD                  = 05020045
NFB$C_NDI_NUS                  = 02020051          NFB$C_PLI_MOD                  = 05010022
NFB$C_NDI_OHO                  = 0201001E          NFB$C_PLI_MRT                  = 05010018
NFB$C_NDI_PAC                  = 0202004F          NFB$C_PLI_MWI                  = 05010019
NFB$C_NDI_PPW                  = 02020050          NFB$C_PLI_NAM                  = 05020041
NFB$C_NDI_PRX                  = 02010021          NFB$C_PLI_PLVEC                = 05010020
NFB$C_NDI_PUS                  = 0202004E          NFB$C_PLI_PRO                  = 05010014
NFB$C_NDI_REA                  = 02000003          NFB$C_PLI_RTT                  = 05010021
NFB$C_NDI_RPA                  = 02020054          NFB$C_PLI_SER                  = 05000002
NFB$C_NDI_SDU                  = 0202004B          NFB$C_PLI_SLT                  = 0501001A
NFB$C_NDI_SDV                  = 02010019          NFB$C_PLI_SRT                  = 0501001D
NFB$C_NDI_SID                  = 02020049          NFB$C_PLI_STA                  = 05010011
NFB$C_NDI_SLI                  = 02020044          NFB$C_PLI_STI                  = 05010015
NFB$C_NDI_SLO                  = 02020047          NFB$C_PLI_SUB                  = 05010012
NFB$C_NDI_SNV                  = 02010023          NFB$C_PLI_VMSNAM               = 05020042
NFB$C_NDI_SPA                  = 02020045          NFB$C_SDI_CIR                  = 1A020041
NFB$C_NDI_STY                  = 0201001B          NFB$C_SDI_COL                  = 1A020040
NFB$C_NDI_TAD                  = 02010010          NFB$C_SDI_LCK                  = 1A000001
NFB$C_NDI_TLO                  = 02020048          NFB$C_SDI_PHA                  = 1A020042
NFB$C_NDI_TPA                  = 02020055          NFB$C_SDI_PID                  = 1A010011
NFB$C_OBI_ACC                  = 03020047          NFB$C_SDI_PRC                  = 1A020043
NFB$C_OBI_CHN                  = 03010013          NFB$C_SDI_SUB                  = 1A010010
NFB$C_OBI_COL                  = 03020040          NFB$C_SPI_ACS                  = 12020041
NFB$C_OBI_FID                  = 03020045          NFB$C_SPI_CHN                  = 12010012
NFB$C_OBI_HPR                  = 03010011          NFB$C_SPI_COL                  = 12020040
NFB$C_OBI_IAC                  = 03020043          NFB$C_SPI_IRP                  = 12010011
NFB$C_OBI_LCK                  = 03000001          NFB$C_SPI_LCK                  = 12000001
NFB$C_OBI_LPR                  = 03010010          NFB$C_SPI_NCB                  = 12020044
NFB$C_OBI_NAM                  = 03020044          NFB$C_SPI_PID                  = 12010010
NFB$C_OBI_NUM                  = 03010014          NFB$C_SPI_PNM                  = 12020045
NFB$C_OBI_PID                  = 03010015          NFB$C_SPI_PRL                  = 12000002
NFB$C_OBI_PRX                  = 03010016          NFB$C_SPI_RID                  = 12020042
NFB$C_OBI_PSW                  = 03020048          NFB$C_SPI_RNA                  = 12010013
```

```
NFB$C_SPI_SFI                    = 12020043             SIZ...                           = 00000001
NFB$M_INX                        = 0000FFFF             SPI$C_LENGTH                     = 00000020
NMA$C_ACES_BOTH                  = 00000003             SPI$L_IRP                        = 00000004
NMA$C_ACES_OUTG                  = 00000002             SPI$L_PID                        = 00000000
NMA$C_CIRTY_NI                   = 00000006             SPI$L_S_ACS                      = 0000000C
NMA$C_CIRTY_X25                  = 00000003             SPI$L_S_NCB                      = 00000018
NMA$C_CIRVE_DIS                  = 00000001             SPI$L_S_PNM                      = 0000001C
NMA$C_DPX_FUL                    = 00000000             SPI$L_S_RID                      = 00000010
NMA$C_LINCN_NOR                  = 00000000             SPI$L_S_SFI                      = 00000014
NMA$C_LINSV_DIS                  = 00000001             SPI$W_CHN                        = 0000000A
NMA$C_LINSV_ENA                  = 00000000             SPI$W_RNA                        = 00000008
NMA$C_STATE_OFF                  = 00000001             TR$C_MAXHDR                      = 0000001C
NSP$C_EXT_LNK                    = 0000001E             TR$C_NI_ALLEND1                  = 040000AB
NSP$C_MAXHDR                     = 00000009             TR$C_NI_ALLEND2                  = 00000000
OBI$B_NUM                        = 00000000             TR$C_NI_ALLROU1                  = 030000AB
OBI$B_PRX                        = 00000001             TR$C_NI_ALLROU2                  = 00000000
OBI$C_LENGTH                     = 00000028             TR$C_NI_PREFIX                   = 000400AA
OBI$L_HPR                        = 00000008             TR$C_NI_PROT                     = 00000360
OBI$L_LPR                        = 00000004             TR$C_PRI_ECL                     = 0000001F
OBI$L_PID                        = 00000010             TR$C_PRI_RTHRU                   = 0000001F
OBI$L_S_ACC                      = 00000020             _$ACTOFF                         = 0000005C
OBI$L_S_FID                      = 00000018             _$CNF_DEF                        = 00000224 R     06
OBI$L_S_NAM                      = 00000014             _$MAND                           = 00000001
OBI$L_S_PSW                      = 00000024             _$MANDOFF                        = 00000084
OBI$L_S_USR                      = 0000001C             _$MAXBOOL                        = 00000000
OBI$L_UCB                        = 0000000C             _$SEM                            = 03FF4C58
OBI$W_CHN                        = 00000002             _$START                          = 00001D88 R     05
PLI$B_BFN                        = 00000008             _$UNIQ                           = 00000001
PLI$B_MOD                        = 0000002A             _$UNIQOFF                        = 000000E8
PLI$B_MRT                        = 00000016
PLI$B_MWI                        = 00000017
PLI$B_PRO                        = 0000000B
PLI$B_STA                        = 00000009
PLI$C_LENGTH                     = 0000002E
PLI$L_CTA                        = 00000004
PLI$L_S_HWA                      = 00000020
PLI$L_S_MCD                      = 00000024
PLI$L_S_NAM                      = 00000000
PLI$W_BFS                        = 0000002C
PLI$W_DDT                        = 0000001A
PLI$W_DLT                        = 0000001C
PLI$W_EPT                        = 00000028
PLI$W_HTI                        = 00000010
PLI$W_LCT                        = 0000000C
PLI$W_MBL                        = 00000014
PLI$W_RTT                        = 00000012
PLI$W_SLT                        = 00000018
PLI$W_SRT                        = 0000001E
PLI$W_STI                        = 0000000E
PLVEC$AB_DEV                       0000019F RG     03
PLVEC$AB_REFC                      0000017E RG     03
PLVEC$AB_STATE                     000001C0 RG     03
PLVEC$AL_ABS_TIM                   00000034 RG     03
PLVEC$AL_UCB                       000000B8 RG     03
PLVEC$AW_CHAN                      0000013C RG     03
PLVEC$GB_MAX                       00000032 RG     03
SDI$C_LENGTH                     = 00000000
```

```
                                   +----------------+
                                   ! Psect synopsis !
                                   +----------------+

PSECT name          Allocation          PSECT No.  Attributes
----------          ----------          ---------  ----------
.  ABS  .           00000000  (    0.)  00 (  0.)  NOPIC   USR   CON   ABS   LCL NOSHR NOEXE NORD  NOWRT NOVEC BYTE
$ABS$               00000000  (    0.)  01 (  1.)  NOPIC   USR   CON   ABS   LCL NOSHR   EXE   RD    WRT NOVEC BYTE
NET_PURE            000000B0  (  176.)  02 (  2.)  NOPIC   USR   CON   REL   LCL NOSHR NOEXE   RD  NOWRT NOVEC LONG
NET_IMPURE          000001E1  (  481.)  03 (  3.)  NOPIC   USR   CON   REL   LCL NOSHR NOEXE   RD    WRT NOVEC LONG
NET_LOCK_IMPURE     00000010  (   16.)  04 (  4.)  NOPIC   USR   CON   REL   GBL NOSHR   EXE   RD    WRT NOVEC LONG
TABLES_IMPURE       00002286  ( 8838.)  05 (  5.)  NOPIC   USR   CON   REL   GBL NOSHR   EXE   RD    WRT NOVEC LONG
TABLES_PURE         00000228  (  552.)  06 (  6.)  NOPIC   USR   CON   REL   LCL NOSHR NOEXE   RD  NOWRT NOVEC LONG
NET_INIT_CODE       000000BA  (  186.)  07 (  7.)  NOPIC   USR   CON   REL   LCL NOSHR   EXE   RD  NOWRT NOVEC BYTE

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

Phase                    Page faults    CPU Time       Elapsed Time
-----                    -----------    --------       ------------
Initialization                   35    00:00:00.09    00:00:00.35
Command processing              157    00:00:01.04    00:00:04.20
Pass 1                         1252    00:01:16.65    00:01:27.83
Symbol table sort                 0    00:00:03.23    00:00:03.45
Pass 2                          445    00:00:16.13    00:00:20.32
Symbol table output             228    00:00:00.78    00:00:03.22
Psect synopsis output             9    00:00:00.04    00:00:00.04
Cross-reference output            0    00:00:00.00    00:00:00.00
Assembler run totals           2128    00:01:37.96    00:01:59.42

The working set limit was 900 pages.
441133 bytes (862 pages) of virtual memory were used to buffer the intermediate code.
There were 130 pages of symbol table space allocated to hold 2345 non-local and 9 local symbols.
1432 source lines were read in Pass 1, producing 54 object records in Pass 2.
51 pages of virtual memory were used to define 39 macros.

                             +--------------------------+
                             ! Macro library statistics !
                             +--------------------------+

Macro library name                            Macros defined
------------------                            --------------
_$255$DUA28:[SHRLIB]NMALIBRY.MLB;1                   1
_$255$DUA28:[SHRLIB]EVCDEF.MLB;1                     0
_$255$DUA28:[NETACP.OBJ]NETDRV.MLB;1                 0
_$255$DUA28:[NETACP.OBJ]NET.MLB;1                   17
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                       2
_$255$DUA28:[SYSLIB]STARLET.MLB;2                    7
TOTALS (all libraries)                              27

2211 GETS were required to define 27 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:NETCONFIG/OBJ=OBJ$:NETCONFIG MSRC$:NETCONFIG/UPDATE=(ENH$:NETCONFIG)+EXECML$/LIB+LIB$:NET/LIB+LIB$:NETDRV/LIB+SHRLIB$
```

0275 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

NETDLE
LIS

NETCONFIG
LIS

NETCONECT
LIS

NETCTLALL
LIS