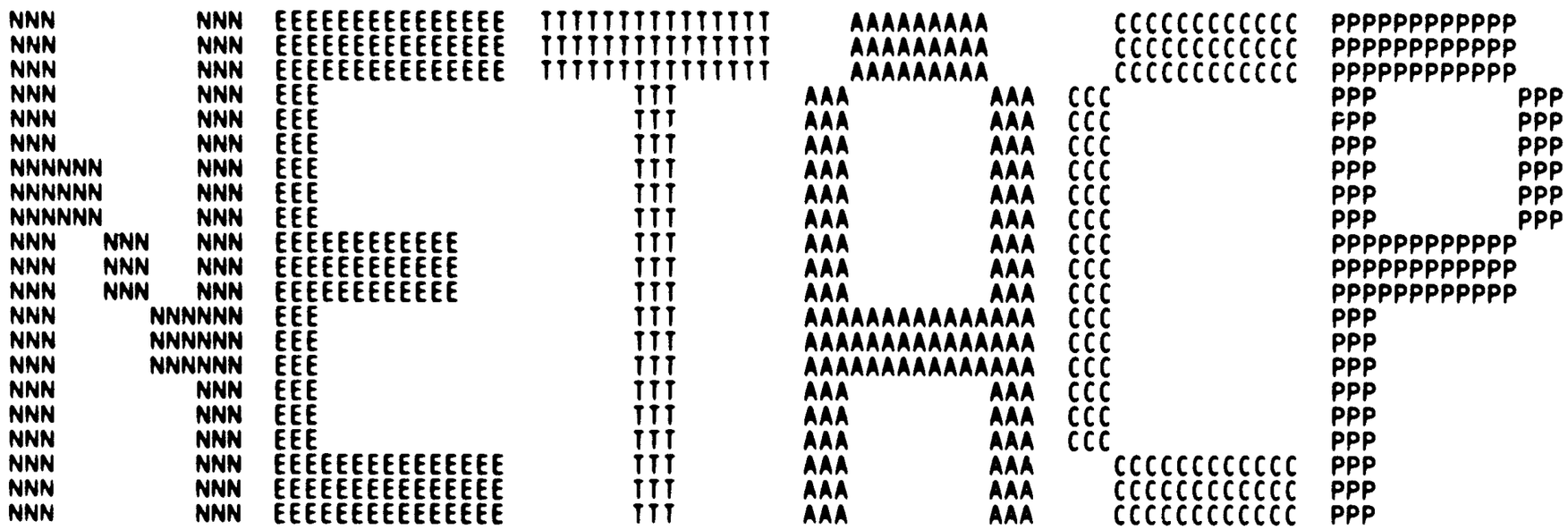
NNN NNN EEEEEEEEEEEEEEE TTTTTTTTTTTTTTT AAAAAAAAA CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN EEEEEEEEEEEEEEE TTTTTTTTTTTTTTT AAAAAAAAA CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN EEEEEEEEEEEEEEE TTTTTTTTTTTTTTT AAAAAAAAA CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN EEE TTT AAA AAA CCC PPP PPP
NNN NNN EEE TTT AAA AAA CCC PPP PPP
NNN 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 EEEEEEEEEEE TTT AAA AAA CCC PPPPPPPPPPPP
NNN NNN NNN EEEEEEEEEEE TTT AAA AAA CCC PPPPPPPPPPPP
NNN NNN NNN EEEEEEEEEEE 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

```
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
```

NE
VO

FF
FF

FF

Table of contents

```
0000     1          .TITLE  NETCONFIG - Local Configuration Data Base
0000     2          .IDENT  'V04-000'
0000     3          .DEFAULT DISPLACEMENT,LONG      ; This code is placed at end of image
0000     4
0000     5  ;*****************************************************************************
0000     6  ;*                                                                           *
0000     7  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
0000     8  ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
0000     9  ;*  ALL RIGHTS RESERVED.                                                     *
0000    10  ;*                                                                           *
0000    11  ;*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED     *
0000    12  ;*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE    *
0000    13  ;*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER     *
0000    14  ;*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY     *
0000    15  ;*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
0000    16  ;*  TRANSFERRED.                                                             *
0000    17  ;*                                                                           *
0000    18  ;*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE     *
0000    19  ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
0000    20  ;*  CORPORATION.                                                             *
0000    21  ;*                                                                           *
0000    22  ;*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS     *
0000    23  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    24  ;*                                                                           *
0000    25  ;*                                                                           *
0000    26  ;*****************************************************************************
0000    27  ;
0000    28
0000    29  ; FACILITY:     NETWORK ACP
0000    30  ;
0000    31  ; ABSTRACT:
0000    32  ;       THIS MODULE CONTAINS THE CONTROL BLOCKS FOR THE LOCAL NODE.
0000    33  ;
0000    34  ; ENVIRONMENT:
0000    35  ;       MODE = KERNEL
0000    36  ;--
0000    37          .SBTTL  HISTORY
0000    38  ;
0000    39  ; AUTHOR:       A. Eldridge     10-Jan-1980
0000    40  ;
0000    41  ; MODIFIED BY:
0000    42  ;
0000    43  ;       V03-038 RNG0038         Rod Gamache             13-Jul-1984
0000    44  ;               Change default receive buffer count for UNA lines from
0000    45  ;               4 to 6 buffers.
0000    46  ;
0000    47  ;       V03-037 PRB0338         Paul Beck       27-Jun-1984  19:19
0000    48  ;               Change default pipeline quota to 3000.
0000    49  ;
0000    50  ;       V03-036 PRB0324         Paul Beck       23-Mar-1984  22:29
0000    51  ;               Modify definition of NML, MAIL, and PHONE to use the .EXE form.
0000    52  ;
0000    53  ;       V03-035 PRB0035         Paul Beck               23-FEB-1984 18:14
0000    54  ;               Update version number fields.
0000    55  ;
0000    56  ;       V03-034 RNG0034         Rod Gamache             10-Feb-1984
0000    57  ;               Add a real LLI database.
```

```
0000     58 ;
0000     59 ;       V03-033 RNG0033         Rod Gamache      3-Feb-1984
0000     60 ;               Add System Node Version (SNV) parameter to remote node
0000     61 ;               database.
0000     62 ;
0000     63 ;       V03-032 PRB0306         Paul Beck        11-Jan-1984  14:20
0000     64 ;               Add CTERM object (OBJ_42)
0000     65 ;
0000     66 ;       V031    RNG0031         Rod Gamache              01-Aug-1983
0000     67 ;               Set default for EXECUTOR PROXY ACCESS to be BOTH. Set
0000     68 ;               default PROXY ACCESS for a few OBJECTS to be OUTGOING
0000     69 ;               only.
0000     70 ;
0000     71 ;       V030    TMH0030         Tim Halvorsen            04-Jul-1983
0000     72 ;               Add XAI database for X.25 gateway support.
0000     73 ;               Set limit checks on DELAY FACTOR, DELAY WEIGHT and
0000     74 ;               MAX BUFFERS, because they are stored as signed bytes.
0000     75 ;               Add LNI alias (cluster node address) parameter.
0000     76 ;
0000     77 ;       V029    TMH0029         Tim Halvorsen            01-Jun-1983
0000     78 ;               Restore default DELAY FACTOR to 80 (5*delay) in order
0000     79 ;               to improve recovery of lost datagrams, and yet not so
0000     80 ;               low as to cause queue pileup (due to retransmissions)
0000     81 ;               on high latency datalinks, such as X.25 connections.
0000     82 ;
```

```
0000     84          .SBTTL  DECLARATIONS
0000     85 ;
0000     86 ; INCLUDE FILES:
0000     87 ;
0000     88          $DYNDEF
0000     89          $PRVDEF
0000     90
0000     91          $NETSYMDEF
0000     92
0000     93          $ADJDEF
0000     94          $CNFDEF
0000     95          $CNRDEF
0000     96          $NFBDEF
0000     97          $NMADEF
0000     98          $CRIDEF
0000     99          $PLIDEF
0000    100          $EFIDEF
0000    101          $ESIDEF
0000    102          $LLIDEF
0000    103          $LNIDEF
0000    104          $NDIDEF
0000    105          $OBIDEF
0000    106          $SPIDEF
0000    107          $WQEDEF
0000    108 ;
0000    109 ; MACROS:
0000    110 ;
0000    111
0000    112 ;
0000    113 ;  The following macros build the buffers used to construct CNF blocks
0000    114 ;  during ACP initialization.
0000    115 ;
0000    116 .MACRO  $BLDCNF_2  database,type,name,value      ; Build list of parameters
0000    117          .CNFFLD database,type,name              ; Enter parameter i.d.
0000    118          .IF  DIF,S,type
0000    119                  .BYTE   0                       ; Flag "not a string"
0000    120                  .LONG   value                   ; Store the value
0000    121          .IFF
0000    122                  .ASCIC  "value"                 ; Store counted string
0000    123          .ENDC
0000    124 .ENDM   $BLDCNF_2
0000    125
0000    126 .MACRO  $BLDCNF database,list                   ; Build CNF specifier
0000    127          .LONG   CNR_'database'                  ; Point to CNR block
0000    128          .IRP    entry,<list>                    ;
0000    129                  $BLDCNF_2  entry                ; Enter parameter list
0000    130          .ENDR
0000    131          .LONG   0                               ; Terminate with a zero
0000    132 .ENDM   $BLDCNF
0000    133
0000    134
0000    135 ;
0000    136 ;  The following macros build the tables used to apply default values to
0000    137 ;  selected CNF parameters when CNF blocks are either added or modified.
0000    138 ;
0000    139 .MACRO  $CNF_DEF_2  db,param,type,value
0000    140
```

```
                                                I  8
0000    141          .CNFFLD db,type,param                    ; Enter parameter i.d.
0000    142          .LONG   value                            ; Store parameter default value
0000    143
0000    144 .ENDM    $CNF_DEF_2
0000    145
0000    146 .MACRO   $CNF_DEF  database,list
0000    147
0000    148          _$CNF_DEF = .
0000    149          . = NET$AL_CNF_DFLT + <4*nfb$c_db_'database'>
0000    150          .ADDRESS _$CNF_DEF
0000    151          . = _$CNF_DEF
0000    152
0000    153          .IRP  entry,<list>
0000    154                $CNF_DEF_2  database,entry
0000    155          .ENDR
0000    156          .LONG   0
0000    157
0000    158 .ENDM    $CNF_DEF
0000    159
0000    160 .MACRO   $CNF_DEF_TAB  database,list
0000    161
0000    162          .IRP  entry,<list>
0000    163                $CNF_DEF_2  database,entry
0000    164          .ENDR
0000    165          .LONG   0
0000    166
0000    167 .ENDM    $CNF_DEF_TAB
0000    168
```

```
                                J 8
C000   170 ;
0000   171 ; The following macro is used to build the field semantics.  Each field is
0000   172 ; defined by:
0000   173 ;
0000   174 ;       pref    Prefix code identify the component (e.g., LNI,OBI,NDI)
0000   175 ;
0000   176 ;       type    V  bit   - uses no storage
0000   177 ;               L  longword
0000   178 ;               S  string
0000   179 ;
0000   180 ;       maxs    Maximum allowed parameter value or string size.  If the
0000   181 ;               'field' parameter is "L" (longword) then there is no
0000   182 ;               maximum, otherwize the default is 65535 implying that there
0000   183 ;               is no maximum.
0000   184 ;
0000   185 ;               The maximum and default size for the length of strings is 1023.
0000   186 ;
0000   187 ;       qual    One of the following qualifiers
0000   188 ;
0000   189 ;               for non-strings:        Z   the value zero is allowed.
0000   190 ;
0000   191 ;               for strings:            T   treat all characters transparently.
0000   192 ;                                       A   only upper case ascii and numeric
0000   193 ;                                           characters are allowed.
0000   194 ;                                       F   parse the string as if it were a
0000   195 ;                                           file specification.
0000   196 ;
0000   197 ;       access  Specifies the type of access allowed on that field:
0000   198 ;
0000   199 ;               blank   General read/write access.
0000   200 ;               W       General write access, read access only if the user
0000   201 ;                       has "bypass" privilege.
0000   202 ;               R       Read-only access.
0000   203 ;               C       General read/write access if the NFB$C_'pref'_LCK bit
0000   204 ;                       is clear, else read-only access.
0000   205 ;               E       External read only.  Can't write field on behalf of a
0000   206 ;                       QIO, but can be written for internal ACP use.
0000   207 ;               N       No external read or write access.  Can only be read or
0000   208 ;                       written internally.
0000   209 ;
0000   210 ;       req     Controls data base integrity and consistency as follows:
0000   211 ;
0000   212 ;               blank   No special requirements.
0000   213 ;               M       Mandatory.  If this field is not active then the block
0000   214 ;                       will not be inserted into the data base.
0000   215 ;               U       Unique.  The value of this field must be unique with
0000   216 ;                       respect to the values of this same field for all other
0000   217 ;                       blocks currently in the data base.
0000   218 ;               S       Signature.  This implies both M and S.
0000   219 ;
0000   220 ;       field   Specifies how the field is stored:
0000   221 ;
0000   222 ;               B       Byte.
0000   223 ;               W       Word.
0000   224 ;               L       Longword.  If the field is as string then this
0000   225 ;                       the self-relative longword string descriptor.
0000   226 ;               $       There is no actual field in the CNF block.  The
```

```
                                                K 8
0000    227 ;
0000    228 ;
0000    229 ;
```

information must be found by calling an action routine.

```
0000    231 .MACRO  $entsem  pref,type,name,maxs=65535,qual=T,access=RW,req,field
0000    232
0000    233         ;
0000    234         ;   Initialize the semantic longword by setting the CNF offset to the
0000    235         ;   field.
0000    236         ;
0000    237         ;    o  If the "field" is really a routine (field=$) then the CNR
0000    238         ;       action routine offset is used.
0000    239         ;    o  If the "field" is type "bit" then the bit offset from the top
0000    240         ;       of the CNF to the bit in CNF$W_BOOLEAN is used.
0000    241         ;    o  Else the byte offset from the top of the CNF is used.
0000    242         ;
0000    243         ;   The value of the semantic longword can never be zero since that is
0000    244         ;   the value used to indicate the field is undefined.
0000    245         ;
0000    246         ASSUME  cnr$v_sem_off  EQ  0
0000    247
0000    248         .IF IDN,field,$
0000    249                         _$sem = _$actoff + <1@cnr$v_sem_rt>
0000    250         .IFF
0000    251           .IIF IDN,type,L, _$sem = cnf$c_length + 'pref'$'field'_'name'
0000    252           .IIF IDN,type,S, _$sem = cnf$c_length + 'pref'$L_S_'name'
0000    253           .IF  IDN,type,V
0000    254                .IF GT,16-_$maxbool
0000    255                         _$sem = cnf$w_boolean*8 + _$maxbool
0000    256                         _$maxbool = _$maxbool + 1
0000    257                .IFF
0000    258                   .ERROR    0                    ; too many boolean parameters
0000    259                .ENDC
0000    260           .ENDC
0000    261         .ENDC
0000    262
0000    263
0000    264         ;
0000    265         ;   Setup field type
0000    266         ;
0000    267         .IIF IDN,type,V, _$sem = _$sem + <cnr$c_sem_bit    @cnr$v_sem_typ>
0000    268         .IIF IDN,type,S, _$sem = _$sem + <cnr$c_sem_str    @cnr$v_sem_typ>
0000    269         .IF  IDN,type,L
0000    270              .IF IDN,field,$
0000    271                         _$sem = _$sem + <cnr$c_sem_L    @cnr$v_sem_typ>
0000    272              .IFF
0000    273                         _$sem = _$sem + <cnr$c_sem_'field'@cnr$v_sem_typ>
0000    274              .ENDC
0000    275         .ENDC
0000    276
0000    277
0000    278         ;
0000    279         ;  Setup maximum allowed value or string size
0000    280         ;
0000    281         .IIF IDN,type,S,   _$sem = _$sem + <<1023&maxs>@cnr$v_sem_max>
0000    282         .IIF IDN,type,L,   _$sem = _$sem +      <<maxs>@cnr$v_sem_max>
0000    283
0000    284
0000    285         ;
0000    286         ;  Specify type of access allowed
0000    287         ;
```

```
0000    288          .IF IDN,access,R
0000    289          .IF DIF,field,$
0000    290                  .ERROR  0       ; Why is 'name' read-only?
0000    291          .ENDC
0000    292          .ENDC
0000    293
0000    294                              _$sem = _$sem + <<cnr$c_acc_'access'>@cnr$v_sem_acc>
0000    295
0000    296
0000    297          ;
0000    298          ;  Specify special qualifiers - zero value allowed if type 'L'
0000    299          ;                               parse table if type 'S'
0000    300          ;
0000    301          .IIF IDN,type,S,    _$sem = _$sem + <<cnr$c_sem_'qual'>@cnr$v_sem_tab>
0000    302          .IIF IDN,qual,Z,    _$sem = _$sem + <<                  1>@cnr$v_sem_z>
0000    303
0000    304
0000    305          ;
0000    306          ;  Enter sematics into the table
0000    307          ;
0000    308          . = _$start + cnr$l_sem_tab + <<nfb$c_'pref'_'name'&nfb$m_inx>*4>
0000    309          .LONG   _$sem
0000    310
0000    311
0000    312          ;
0000    313          ;  If the 'field' is actually a routine then setup its dispatch vector
0000    314          ;
0000    315          .IF  IDN,field,$
0000    316
0000    317              .IF GT,CNR$L_END_ACT - _$actoff
0000    318
0000    319                  .   = _$start + _$actoff
0000    320                  .ADDRESS NET$'pref'_'type'_'name'
0000    321              .IFF
0000    322                  .ERROR    0                       ; too many action routines
0000    323              .ENDC
0000    324                  _$actoff = _$actoff + 4
0000    325          .ENDC
0000    326
0000    327
0000    328          ;
0000    329          ;  If the parameter is mandatory then enter its i.d. into the list
0000    330          ;
0000    331                              _$mand = 1
0000    332          .IIF IDN,req,M,     _$mand = 0
0000    333          .IIF IDN,req,S,     _$mand = 0
0000    334          .IF  EQ,_$mand
0000    335
0000    336              .IF GT,CNR$L_END_MAND - _$mandoff
0000    337
0000    338                  .   =   _$start + _$mandoff
0000    339                  .CNFFLD pref,type,name
0000    340              .IFF
0000    341                  .ERROR    0                       ; too many mandatory fields
0000    342              .ENDC
0000    343                  _$mandoff = _$mandoff + 4
0000    344          .ENDC
```

```
0000   345
0000   346
0000   347         ;
0000   348         ;  If the parameter must be unique then enter its i.d. into the list
0000   349         ;
0000   350                         _$uniq = 1
0000   351         .IIF IDN,req,U,  _$uniq = 0
0000   352         .IIF IDN,req,S,  _$uniq = 0
0000   353         .IF  EQ,_$uniq
0000   354
0000   355             .IF GT,CNR$L_END_UNIQ - _$uniqoff
0000   356
0000   357                 .    =    _$start + _$uniqoff
0000   358                 .CNFFLD pref,type,name
0000   359             .IFF
0000   360                 .ERROR    0                          ; too many unique fields
0000   361             .ENDC
0000   362                 _$uniqoff = _$uniqoff + 4
0000   363         .ENDC
0000   364
0000   365 .ENDM
0000   366
0000   367 .MACRO  $DEFSEM    pre,typ,fldlist
0000   368
0000   369         .IF DIF,typ,-1
0000   370             .IRP        A,<fldlist>
0000   371                         $entsem  pre,typ,A         ; Enter semantics
0000   372             .ENDR
0000   373         .ENDC
0000   374 .ENDM                                             ; slots for this segment
```

```
                                B 9
0000    376 ;
0000    377 ; The following macro builds the entire CNR structure
0000    378 ;
0000    379         ASSUME  CNR$L_FLINK     EQ  0
0000    380         ASSUME  CNR$L_BLINK     EQ  4+CNR$L_FLINK
0000    381         ASSUME  CNR$W_SIZE      EQ  4+CNR$L_BLINK
0000    382         ASSUME  CNR$B_TYPE      EQ  2+CNR$W_SIZE
0000    383         ASSUME  CNR$B_FLG       EQ  1+CNR$B_TYPE
0000    384         ASSUME  CNR$W_SIZ_CNF   EQ  1+CNR$B_FLG
0000    385         ASSUME  CNR$W_MAX_INX   EQ  2+CNR$W_SIZ_CNF
0000    386
0000    387         ASSUME  CNR$L_FLD_LOCK  EQ  2+CNR$W_MAX_INX
0000    388         ASSUME  CNR$L_FLD_COLL  EQ  4+CNR$L_FLD_LOCK
0000    389
0000    390         ASSUME  CNR$L_ACT_QIO   EQ  4+CNR$L_FLD_COLL
0000    391         ASSUME  CNR$L_ACT_SHOW  EQ  4+CNR$L_ACT_QIO
0000    392         ASSUME  CNR$L_ACT_DFLT  EQ  4+CNR$L_ACT_SHOW
0000    393         ASSUME  CNR$L_ACT_INSERT EQ 4+CNR$L_ACT_DFLT
0000    394         ASSUME  CNR$L_ACT_DELETE EQ 4+CNR$L_ACT_INSERT
0000    395         ASSUME  CNR$L_ACT_REMOVE EQ 4+CNR$L_ACT_DELETE
0000    396
0000    397         ASSUME  CNR$L_SCANNER   EQ  4+CNR$L_ACT_REMOVE
0000    398         ASSUME  CNR$L_INSERT    EQ  4+CNR$L_SCANNER
0000    399         ASSUME  CNR$L_SPCSCAN   EQ  4+CNR$L_INSERT
0000    400
0000    401         ASSUME  CNR$L_VEC_ACT   EQ  4+CNR$L_SPCSCAN
0000    402         ASSUME  CNR$L_VEC_MAND  EQ  4+CNR$L_END_ACT
0000    403         ASSUME  CNR$L_VEC_UNIQ  EQ  4+CNR$L_END_MAND
0000    404         ASSUME  CNR$L_SEM_TAB   EQ  4+CNR$L_END_UNIQ
0000    405
0000    406
0000    407 .MACRO  $DEFCNR   prefix,typ1=-1,list1,typ2=-1,list2,typ3=-1,list3
0000    408
0000    409 .ALIGN LONG
0000    410 _$START = .
0000    411
0000    412         _$maxbool = 0
0000    413         _$actoff  = CNR$L_VEC_ACT
0000    414         _$mandoff = CNR$L_VEC_MAND
0000    415         _$uniqoff = CNR$L_VEC_UNIQ
0000    416
0000    417
0000    418 CNR_'prefix'::
0000    419         .ADDRESS .                              ; Build queue header
0000    420         .ADDRESS .-4                            ;
0000    421         .WORD   1024                            ; Use entire page
0000    422         .BYTE   NFB$C_DB_'prefix'               ; Setup database id
0000    423         .BYTE   CNF$M_FLG_CNR                   ; Mark as CNR block
0000    424         .WORD   CNF$C_LENGTH + 'prefix'$c_length; Total CNF size = CNF header
0000    425                                                 ;  plus fixed structure size
0000    426         .WORD   CNR$C_MAX_INX                   ;&update to "real" value
0000    427         .CNFFLD prefix,V,CCK                    ; Fld id of field used to guard
0000    428                                                 ; cond. writeable fields
0000    429         .CNFFLD prefix,S,COL                    ; Fld id of field used to order
0000    430                                                 ; the CNR list
0000    431
0000    432         .ADDRESS NET$PRE_QIO_'prefix'           ; Pre-processor for QIO to
```

```
0000   433                                                  ; this database
0000   434          .ADDRESS NET$SHOW_'prefix'              ; Pre-processor for QIO to a
0000   435                                                  ; specific CNF
0000   436          .ADDRESS NET$DEFAULT_'prefix'           ; Defaulting action routine
0000   437
0000   438          .ADDRESS NET$INSERT_'prefix'            ; Pre-insert action routine
0000   439          .ADDRESS NET$DELETE_'prefix'            ; Pre-mark-for-delete routine
0000   440          .ADDRESS NET$REMOVE_'prefix'            ; Pre-remove action routine
0000   441
0000   442          .ADDRESS NET$SCAN_'prefix'              ; Database scanner co-routine
0000   443          .ADDRESS NET$SPCINS_'prefix'            ; Real insertion routine
0000   444          .ADDRESS NET$SPCSCAN_'prefix'           ; Special scan routine
0000   445
0000   446          .BYTE   O[CNR$L_VEC_MAND-CNR$L_VEC_ACT] ; Init action routine ptrs
0000   447          .BYTE   O[CNR$L_VEC_UNIQ-CNR$L_VEC_MAND]; Init mandatory field list
0000   448          .BYTE   O[CNR$L_SEM_TAB -CNR$L_VEC_UNIQ]; Init unique field list
0000   449          .LONG   O[CNR$C_MAX_INX]                ; Init semantic table
0000   450
0000   451          ;
0000   452          ; Build the semantic vector
0000   453          ;
0000   454          $DEFSEM   prefix,typ1,list1
0000   455          $DEFSEM   prefix,typ2,list2
0000   456          $DEFSEM   prefix,typ3,list3
0000   457
0000   458
0000   459 . = _$START + CNR$C_LENGTH                       ; Use two pages
0000   460
0000   461 .ENDM
```

```
                     0000   463 ;
                     0000   464 ; EQUATED SYMBOLS:
                     0000   465 ;
                     0000   466         $EQULST NET$C_,GLOBAL,,,<-
                     0000   467                 <LINE_CTRS,8>,-          ; NO. OF PHYLK LINE ERROR COUNTERS
                     0000   468         >
                     0000   469         ;
                     0000   470         ;   Create short symbols to cleanup sematic (CNR) table format
                     0000   471         ;
000003FF             0000   472         MXNOD = NET$C_MAX_NODES          ; Max node address supported by the ACP
00000040             0000   473         MXDLL = NET$C_MAX_LINES          ; Max supported datalinks
000003FF             0000   474         MXLNK = NET$C_MAXLNK             ; Max supported logical links
0000003E             0000   475         CTXSZ = NFB$C_CTX_SIZE-2         ; Max size of COL context string
00000021             0000   476         MAX_PLVEC = 33                   ; Maximum PLVEC index (allows for
                     0000   477                                          ; 33-1=32 lines).
                     0000   478 ;
                     0000   479 ; OWN STORAGE:
                     0000   480 ;
                     0000   481
                     0000   482         .PSECT  NET_PURE,NOWRT,NOEXE,LONG
                     0000   483
                     0000   484 ;
                     0000   485 ;    Setup the configuration data base root block pointers
                     0000   486 ;
                     0000   487 NET$AL_CNR_TAB::                         ; The following pointers must be in the
                     0000   488                                          ; order of there database indexes
                     0000   489         ASSUME  NFB$C_DB_LNI  EQ  1
                     0000   490         ASSUME  NFB$C_DB_NDI  EQ  2
                     0000   491         ASSUME  NFB$C_DB_OBI  EQ  3
                     0000   492         ASSUME  NFB$C_DB_CRI  EQ  4
                     0000   493         ASSUME  NFB$C_DB_PLI  EQ  5
                     0000   494         ASSUME  NFB$C_DB_EFI  EQ  6
                     0000   495         ASSUME  NFB$C_DB_ESI  EQ  7
                     0000   496         ASSUME  NFB$C_DB_LLI  EQ  8
                     0000   497         ASSUME  NFB$C_DB_SPI  EQ  18
                     0000   498         ASSUME  NFB$C_DB_AJI  EQ  19
                     0000   499         ASSUME  NFB$C_DB_ARI  EQ  20
                     0000   500         ASSUME  NFB$C_DB_SDI  EQ  26
                     0000   501
                FFFFFFFF  0000   502                 .LONG  -1            ; There is no CNR with index zero
                00000000' 0004   503 NET$GL_CNR_LNI:: .ADDRESS CNR_LNI   ; Root of Local Node Info list
                000002A8' 0008   504 NET$GL_CNR_NDI:: .ADDRESS CNR_NDI   ; Root of common Node Info list
                00000AA0' 000C   505 NET$GL_CNR_OBI:: .ADDRESS CNR_OBI   ; Root of network Object list
                00000550' 0010   506 NET$GL_CNR_CRI:: .ADDRESS CNR_CRI   ; Root of Circuit Info list
                000007F8' 0014   507 NET$GL_CNR_PLI:: .ADDRESS CNR_PLI   ; Root of Physical Link Info list
                00000FF0' 0018   508 NET$GL_CNR_EFI:: .ADDRESS CNR_EFI   ; Root of Event Filter Info list
                00000D48' 001C   509 NET$GL_CNR_ESI:: .ADDRESS CNR_ESI   ; Root of Event Sink Info list
                00001298' 0020   510 NET$GL_CNR_LLI:: .ADDRESS CNR_LLI   ; Root of Logical Link Info list
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0024   511                 .LONG -1[9]          ; Reserve space for 9 X.25 lists
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0034
                FFFFFFFF' 0044
                00001540' 0048   512 NET$GL_CNR_SPI:: .ADDRESS CNR_SPI   ; Root of Server Process Info list
                000017E8' 004C   513 NET$GL_CNR_AJI:: .ADDRESS CNR_AJI   ; Root of Adjacency database
                00001D88' 0050   514 NET$GL_CNR_ARI:: .ADDRESS CNR_ARI   ; Root of Area database
FFFFFFFF'FFFFFFFF'FFFFFFFF'FFFFFFFF' 0054   515                 .LONG -1[5]          ; Reserve space for 5 X.25 lists
                FFFFFFFF' 0064
                00001AB8' 0068   516 NET$GL_CNR_SDI:: .ADDRESS CNR_SDI   ; Root of Service (DLE) database
```

```
FFFFFFFF  006C   517                    .LONG -1                ; Reserve space for XAI X.25 database
          0070   518
          0070   519          ASSUME  <.-NET$AL_CNR_TAB-4> EQ <NFB$C_DR_MAX*4>
          0070   520
          0070   521
          0070   522 BLD_VEC:                                   ; Setup Data base init vector
          0070   523
00002204' 0070   524                    .ADDRESS BLD_LNI
000021F3' 0074   525                    .ADDRESS BLD_NDI_LOC
          0078   526
00002056' 0078   527                    .ADDRESS BLD_OBI_TASK
000020AE' 007C   528                    .ADDRESS BLD_OBI_NML
00002070' 0080   529                    .ADDRESS BLD_OBI_FAL
00002095' 0084   530                    .ADDRESS BLD_OBI_HLD
000020D3' 0088   531                    .ADDRESS BLD_OBI_REMACP
000020EF' 008C   532                    .ADDRESS BLD_OBI_MIRROR
0000210B' 0090   533                    .ADDRESS BLD_OBI_EVL
00002124' 0094   534                    .ADDRESS BLD_OBI_MAIL
00002154' 0098   535                    .ADDRESS BLD_OBI_PHONE
00002186' 009C   536                    .ADDRESS BLD_OBI_CTERM
000021A1' 00A0   537                    .ADDRESS BLD_OBI_DTR
000021BA' 00A4   538                    .ADDRESS BLD_OBI_MOM
000021D4' 00A8   539                    .ADDRESS BLD_OBI_NICONFIG
          00AC   540
00000000  00AC   541                    .LONG   0               ; Terminate with a zero
          00B0   542
          00B0   543
       00000000  544          .PSECT  NET_IMPURE,WRT,NOEXE,LONG
          0000   545
00001000  0000   546 NET$GQ_UTLDESC:: .LONG  NET$C_UTLBUFSIZ ; Utility buffer descriptor
00000000  0004   547 NET$GL_UTLBUF::  .LONG  0
          0008   548
00000000  0008   549 NET$GL_DUM_NDI::        .LONG 0          ; Pointer to the dummy NDI CNF
0000000C' 000C   550 NET$GQ_TMP_BUF::        .ADDRESS .       ; Queue of temporary work buffers
0000000C' 0010   551                         .ADDRESS .-4
00000000  0014   552 NET$GL_PTR_LNI::        .LONG 0          ; Ptr to the LNI CNF
00000000  0018   553 NET$GL_LOCAL_NDI::      .LONG 0          ; Ptr to local NDI CNF
00000000  001C   554 NET$GL_SAVE_IRP::       .LONG 0          ; Holds current IRP
00000000  0020   555 NET$GL_SAVE_UCB::       .LONG 0          ; Holds current IRP's UCB address
00000000  0024   556 NET$GL_NET_UCB::        .LONG 0          ; Ptr to NET$GW_CHAN's UCB
          0028   557
00000030  0028   558 NET$GQ_USR_STAT::       .BLKQ 1          ; I/o status block to be returned
00000032  0030   559 NET$GW_NETCHAN::        .BLKW 1          ; channel to _NET:
          0032   560
          0032   561 ;
          0032   562 ;  The PLVEC database is an extension of the PLI database.  There is an
          0032   563 ;  entry in each of these tables for each physical line controlled by
          0032   564 ;  NETACP.
          0032   565 ;
            20   0032   566 PLVEC$GB_MAX::          .BYTE MAX_PLVEC-1   ; Maximum PLVEC index (-1 since the
          0033   567                                                   ; vectors are zero-indexed)
          0033   568                              .ALIGN LONG
00000000'00000000'00000000'00000000'  0034   569 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    570 PLVEC$AL_UCB::          .LONG 0[MAX_PLVEC]  ; Device UCB
00000000'00000000'00000000'00000000' 00C8
00000000'00000000'00000000'00000000' 00D8
00000000'00000000'00000000'00000000' 00E8
00000000'00000000'00000000'00000000' 00F8
00000000'00000000'00000000'00000000' 0108
00000000'00000000'00000000'00000000' 0118
00000000'00000000'00000000'00000000' 0128
                         00000000' 0138
 0000'0000'0000'0000'0000'0000'0000' 013C    571 PLVEC$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    572 PLVEC$AB_REFC::         .BYTE 0[MAX_PLVEC]  ; PLVEC cell reference count
00'00'00'00'00'00'00'00'00'00'00'00' 018A
          00'00'00'00'00'00'00'00'00' 0196
00'00'00'00'00'00'00'00'00'00'00'00' 019F    573 PLVEC$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    574 PLVEC$AB_STATE::        .BYTE 0[MAX_PLVEC]  ; Line state
00'00'00'00'00'00'00'00'00'00'00'00' 01CC
          00'00'00'00'00'00'00'00'00' 01D8
                                     01E1    575
                                     01E1    576
                               00000000      577          .PSECT  NET_LOCK_IMPURE,WRT,GBL,LONG
                                     0000    578
                                     0000    579 ;
                                     0000    580 ;    Miscellaneous storage
                                     0000    581 ;
                                     0000    582
00000004                             0000    583 NET$GL_FLAGS::          .BLKL 1         ; Internal control flags
00000000                             0004    584 NET$GL_PTR_AQB::        .LONG 0         ; Ptr to ACP's AQB
00000000                             0008    585 NET$GL_PTR_VCB::        .LONG 0         ; Ptr to ACP's VCB
00000000                             000C    586 NET$GL_PTR_UCB0::       .LONG 0         ; Ptr to the Unit 0 UCB
```

```
00000000   588          .PSECT  TABLES_IMPURE,WRT,EXE,GBL,LONG
     0000   589 ;
     0000   590 ; LOCAL NODE INFORMATION
     0000   591 ;
     0000   592 $DEFCNR LNI,-
     0000   593
     0000   594     V,<<-
     0000   595          <LCK,      ,Z,R, ,$>,-  ; Clear only if the conditionally writable
     0000   596          -                       ; fields are writeable
     0000   597          <SUP,      ,Z,E, , >,-  ; Set if area numbers to be suppressed for
     0000   598          -                       ; all node addresses returned to NML/EVL
     0000   599 >>,L,<<-
     0000   600          <ADD,      ,Z,C,M,$>,-  ; Node address
     0000   601          <SAD,      ,Z, , ,L>,-  ; X.25 sub-address range
     0000   602          <STA,     4,Z, ,M,$>,-  ; State
     0000   603          -                       ;
     0000   604          -                       ;  LNI$C_STA_INIT  NETACP starts in this state
     0000   605          -                       ;                  Logical lir' connects are
     0000   606          -                       ;                  allowed.
     0000   607          -                       ;  LNI$C_STA_OFF   NETACP will allow privileged
     0000   608          -                       ;                  connects.  If NETACP is set
     0000   609          -                       ;                  to this state from any other
     0000   610          -                       ;                  state then all links are
     0000   611          -                       ;                  broken and NETACP exits
     0000   612          -                       ;  LNI$C_STA_ON    Network generally available
     0000   613          -                       ;  LNI$C_STA_RSTR  connects initiates allowed,
     0000   614          -                       ;                  connects confirms allowed if
     0000   615          -                       ;                  privileged or if the connect
     0000   616          -                       ;                  was initiated locally
     0000   617          -                       ;  LNI$C_STA_SHUT  Only privileged connects
     0000   618          -                       ;                  are allowed.  When the last
     0000   619          -                       ;                  logical link disconnects,
     0000   620          -                       ;                  NETACP exits.
     0000   621          -                       ;
     0000   622          <ETY,      5,Z, ,M,B>,-  ; Type  (routing, end-node, etc.)
     0000   623          <DFA,    127, , ,M,B>,-  ; Delay factor      (see Note1)
     0000   624          <DWE,    127,Z, ,M,B>,-  ; Delay weight      (see Note1)
     0000   625          <RFA,    127, , ,M,B>,-  ; Retransmit factor (see Note1)
     0000   626          <DAC,      3,Z, , ,B>,-  ; Default access switch
     0000   627          <DPX,      4,Z, , ,B>,-  ; Default proxy access switch
     0000   628          <PIQ, 32767,Z, , ,W>,-  ; Pipeline quota
     0000   629
     0000   630          <ITI,        , , ,M,W>,-  ; Incoming timer    (see Note1) (units = sec)
     0000   631          <OTI,        , , ,M,W>,-  ; Outgoing timer    (see Note1) (units = sec)
     0000   632          <IAT,        , , ,M,W>,-  ; Inactivity timer  (see Note1) (units = sec)
     0000   633          <RTI,        , , ,M,W>,-  ; Routing timer                 (units = sec)
     0000   634          <RSI,        ,Z, , ,W>,-  ; Min routing delay interval    (units = sec)
     0000   635          <BRT,        , , ,M,W>,-  ; Broadcast routing timer       (units = sec)
     0000   636
     0000   637          <MLN, MXDLL,Z, ,M,B>,-  ; Maximum supported circuits
     0000   638          <MLK, MXLNK, , ,M,W>,-  ; Maximum supported logical links
     0000   639          <MAD, MXNOD, , ,M,W>,-  ; Maximum supported node address
     0000   640          <MCO,  1023, , ,M,W>,-  ; Maximum cost
     0000   641          <MHO,    31, , ,M,B>,-  ; Maximum hops
     0000   642          <MVI,   255, , ,M,B>,-  ; Maximum visits
     0000   643          <MBU,  1023, , ,M,W>,-  ; Maximum buffers
     0000   644          <MAR,    63, , , ,B>,-  ; Maximum area
```

```
0000   645          <AMC,  1022, , , ,W>,-  ; Area maximum cost
0000   646          <AMH,    30, , , ,B>,-  ; Area maximum hops
0000   647          <MBR,     ,Z, ,M,W>,-  ; Maximum broadcast routers
0000   648          <MBE,     ,Z, ,M,W>,-  ; Maximum broadcast endnodes
0000   649          <BUS,  4096, ,C,M,W>,-  ; Forwarding buffer size (max we can receive)
0000   650          <SBS,  4096, ,C, ,W>,-  ; Segment buffer size (max we can transmit)
0000   651          <ACL,     , ,R, ,$>,-  ; Currently active links
0000   652          <LPC,     ,Z, , ,W>,-  ; Default LOOP COUNT
0000   653          <LPL,     ,Z, , ,W>,-  ; Default LOOP LENGTH
0000   654          <LPD,     ,Z, , ,B>,-  ; Default LOOP data type
0000   655          <LPH,     ,Z, , ,B>,-  ; Default LOOP help type
0000   656          <ALI,     , ,C, ,W>,-  ; Alias local node address (cluster address)
0000   657 >>,S,<<-
0000   658          <COL, CTXSZ, ,R,S,$>,-  ; A fixed string                    (see Note2)
0000   659          <IDE,   32,T, , ,L>,-  ; System identification
0000   660          <MVE,    3,T,E, ,L>,-  ; Network Management version
0000   661          <NVE,    3,T,E, ,L>,-  ; NSP version
0000   662          <RVE,    3,T,E, ,L>,-  ; Routing version
0000   663          <NAM,    6,T,R, ,$>,-  ; Local node name
0000   664          <CNT,     ,T,R, ,$>,-  ; Counters
0000   665          <PHA,     , ,R, ,$>,-  ; Current NI address for this node
0000   666 >>
02A8   667
02A8   668
02A8   669
02A8   670 ;
02A8   671 ;       Note1:  Doesn't effect currently active logical links.  One reason for
02A8   672 ;               this is that these parameters may, in future releases, be
02A8   673 ;               overridden by values supplied by the user at the time of the
02A8   674 ;               connect request.  Thus, once a link is in progress these
02A8   675 ;               parameters should not be changed.
02A8   676 ;
02A8   677 ;       Note2:  Because this field is read-only, mandatory, and unique, it
02A8   678 ;               is guarenteed that there will be only one LNI entry in the
02A8   679 ;               data base.
02A8   680 ;
```

```
                     02A8   682 ;
                     02A8   683 ; REMOTE NODE INFORMATION
                     02A8   684 ;
                     02A8   685         ASSUME  CNR$L_COLBTE   EQ  0
                     02A8   686         ASSUME  CNR$L_NAMEBTE  EQ  4
                     02A8   687
000002A8             02A8   688 NET$GL_COL_TREE  == .                    ; NDI collating tree root
000002AC             02A8   689 NET$GL_NAME_TREE == .+4                  ; NDI name tree root
                     02A8   690
                     02A8   691 $DEFCNR   NDI,-
                     02A8   692
                     02A8   693    V,<<-
                     02A8   694         <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
                     02A8   695         -                       ; written.  If this is the local node, then
                     02A8   696         -                       ; it is set only if the state is LNI$C_STA_OFF.
                     02A8   697         -                       ; If the node is non-local then this bit is
                     02A8   698         -                       ; if unreachable or phase III.
                     02A8   699         <REA,      , ,R, ,$>,-  ; Set if the node is reachable
                     02A8   700         <LOO,      , ,R, ,$>,-  ; Set if the node is a "loopback" nodename
                     02A8   701 >>,L,<<-
                     02A8   702         <ADD,      ,Z,C,M,$>,-  ; Address
                     02A8   703         <CTI,      ,Z, , ,W>,-  ; Counter delta timer      (units = sec)
                     02A8   704         <CTA,      , ,E, ,L>,-  ; Counter absolute timer   (units = sec)
                     02A8   705         <DEL,      , ,R, ,$>,-  ; Average round trip delay (units = sec)
                     02A8   706         <DCO,      , ,R, ,$>,-  ; Total cost to node
                     02A8   707         <DTY,      , ,R, ,$>,-  ; Node type (routing, phase II, etc)
                     02A8   708         <DHO,      , ,R, ,$>,-  ; Total hops to node
                     02A8   709         <TAD,      , ,R, ,$>,-  ; Transformed node address
                     02A8   710         <ACL,      , ,R, ,$>,-  ; Active links to the node
                     02A8   711         <SDV,      ,Z, , ,B>,-  ; Service device code
                     02A8   712         <CPU,      ,Z, , ,B>,-  ; CPU type code
                     02A8   713         <STY,      ,Z, , ,B>,-  ; Software type code
                     02A8   714         <ACC,    3,Z, , ,B>,-  ; Access switch (inbound, outbound, etc.)
                     02A8   715         <PRX,      , ,E, ,B>,-  ; Proxy access
                     02A8   716         <DAD,      ,Z, , ,L>,-  ; Dump address
                     02A8   717         <DCT,      ,Z, , ,L>,-  ; Dump count
                     02A8   718         <IHO,      ,Z, , ,W>,-  ; Default host (input)
                     02A8   719         <OHO,      ,Z, , ,W>,-  ; Default host (output)
                     02A8   720         <NND,      , ,R, ,$>,-  ; Next hop node on way to remote node
                     02A8   721         <SNV,    1,Z, , ,B>,-  ; System node version
                     02A8   722 >>,S,<<-
                     02A8   723         <COL, CTXSZ, ,R,S,$>,-  ; A variant on HAC used for collating.
                     02A8   724         <NNA,    6,A, ,U,L>,-  ; Name
                     02A8   725         <NLI,   15,A, , ,L>,-  ; Associate line if this is a "loopback" node
                     02A8   726                                ; (This is actually required to be unique but
                     02A8   727                                ;  its uniqueness falls out of its being used
                     02A8   728        -;<NLI,   15,A, ,U,L>,-  ;  as part of "nfb$c_ndi_col".  If the loopnode
                     02A8   729                                ;  address could be anything but the local node
                     02A8   730                                ;  address then the "U" flag must be set.)
                     02A8   731         <DLI,   15,A,R, ,$>,-  ; Line used for normal traffic
                     02A8   732         <PUS,   39,T, , ,L>,-  ; Priv user id
                     02A8   733         <PAC,   39,T, , ,L>,-  ; Priv account
                     02A8   734         <PPW,   39,T,W, ,L>,-  ; Priv password
                     02A8   735         <NUS,   39,T, , ,L>,-  ; NonPriv  user id
                     02A8   736         <NAC,   39,T, , ,L>,-  ; NonPriv  account
                     02A8   737         <NPW,   39,T,W, ,L>,-  ; NonPriv  password
                     02A8   738         <RPA,    8,T,W, ,L>,-  ; Receive  password
```

```
                                                                J 9
02A8    739          <TPA,     8,T,W, ,L>,-  ; Transmit password
02A8    740          <HAC,      , ,R, ,$>,-  ; A combination of the node address and
02A8    741          -                       ; loopback linename
02A8    742          <CNT,      ,T,R, ,$>,-  ; Counters
02A8    743          <SLI,    15,A, , ,L>,-  ; Service line
02A8    744          <SPA,     8,T, , ,L>,-  ; Service password
02A8    745          <LOA,   128,F, , ,L>,-  ; Load file
02A8    746          <SLO,   128,F, , ,L>,-  ; Secondary loader file
02A8    747          <TLO,   128,F, , ,L>,-  ; Tertiary loader file
02A8    748          <SID,   128,F, , ,L>,-  ; Software i.d.
02A8    749          <DUM,   128,F, , ,L>,-  ; Dumper
02A8    750          <SDU,   128,F, , ,L>,-  ; Secondary Dumper
02A8    751          <DFL,   128,F, , ,L>,-  ; Diagnostic load file
02A8    752          <HWA,     6,T, , ,L>,-  ; NI hardware address of the remote node
02A8    753          -                       ; when not initialized (for down-line load)
02A8    754          <NNN,      , ,R, ,$>,-  ; Name of Next Node to Destination (NND)
02A8    755 >>
```

```
0550   757 ;
0550   758 ; CIRCUIT INFORMATION
0550   759 ;
0550   760 $DEFCNR CRI,-
0550   761
0550   762   V,<<-
0550   763         <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0550   764         -                       ; be written - set if in the "off" state
0550   765         -                       ; state.
0550   766         <SER,      ,Z,C, , >,-  ; Service                (clear if enabled)
0550   767         -                       ;  This bit controls whether the line may enter
0550   768         -                       ;  a service state or substate - not whether it
0550   769         -                       ;  can remain there.  Thus setting this bit
0550   770         -                          while in a service state will not cause any
0550   771         -                       ;  change in its actual state.
0550   772         <BLK,      ,Z,C, , >,-  ; Set if blocking is allowed (X.25 circuits)
0550   773         <VER,      ,Z,C, , >,-  ; Set if Transport verification requested
0550   774         <DLM,      ,Z,C, , >,-  ; Set if X.25 datalink mapping requested
0550   775         -                       ;  This flag corresponds to the NICE OWNER
0550   776         -                       ;  parameter, and if set, reserves the circuit
0550   777         -                       ;  for Transport's use as an X.25 datalink.
0550   778         -                       ;  If clear, the X.25 circuit is to be used
0550   779         -                       ;  in native mode only.  This flag does not
0550   780         -                       ;  apply to non-X.25 circuits.
0550   781 >>,L,<<-
0550   782         <OWPID,     , ,E, ,L>,-  ; Temporary service process PID
0550   783         <CTA,       , ,E, ,L>,-  ; Counter absolute timer        (seconds)
0550   784         <STA,     2,Z, , ,B>,-  ; State set by user
0550   785         <SUB,     3,Z,R, ,$>,-  ; Substate - what the line is doing
0550   786         <LCT,       , , , ,W>,-  ; Counter delta timer           (seconds)
0550   787         <PNA,       , ,R, ,$>,-  ; Partner's node address
0550   788         <BLO,       , ,R, ,$>,-  ; Receive block size
0550   789         <COS,    25, , , ,B>,-  ; Cost
0550   790         <HET,  8191, , , ,W>,-  ; Hello timer
0550   791         <LIT,       , ,R, ,$>,-  ; Listen timer
0550   792         <MRC,       , , , ,B>,-  ; Max recalls
0550   793         <RCT,       , , , ,W>,-  ; Recall timer
0550   794         <POL,       ,Z, , ,B>,-  ; Polling state
0550   795         <PLS,       ,Z,E, ,B>,-  ; Polling sub-state
0550   796         <USE,       ,Z,C, ,B>,-  ; X.25 usage (incoming, outgoing, permanent)
0550   797         <CHN,       ,Z,C, ,B>,-  ; X.25 channel
0550   798         <TYP,     6,Z,C, ,B>,-  ; Type (protocol)
0550   799         <MBL,       , , , ,W>,-  ; Maximum block
0550   800         <MWI,       , , , ,B>,-  ; Maximum window
0550   801         <TRI,   255,Z,C, ,B>,-  ; Tributary station address
0550   802         <BBT,       , , , ,W>,-  ; Babbel timer
0550   803         <TRT,       ,Z, , ,W>,-  ; Transmit timer
0550   804         <MRB,       , , , ,B>,-  ; Maximum receive buffers
0550   805         <MTR,       , , , ,B>,-  ; Maximum transmits
0550   806         <ACB,       ,Z, , ,B>,-  ; Active base
0550   807         <ACI,       ,Z, , ,B>,-  ; Active increment
0550   808         <IAB,       ,Z, , ,B>,-  ; Inactive base
0550   809         <IAI,       ,Z, , ,B>,-  ; Inactive increment
0550   810         <IAT,       , , , ,B>,-  ; Inactive threshold
0550   811         <DYB,       ,Z, , ,B>,-  ; Dying base
0550   812         <DYI,       ,Z, , ,B>,-  ; Dying increment
0550   813         <DYT,       , , , ,B>,-  ; Dying threshold
```

```
0550   814          <DTH,      , , , ,B>,-  ; Dead threshold
0550   815          <MST,      , ,R, ,$>,-  ; Maintenance mode "state" (1 => Off, 0 => On)
0550   816          <XPT,      4, ,C, ,B>,-  ; Transport protocol
0550   817          <DRT,      , ,R, ,$>,-  ; Designated router on this NI
0550   818          <MRT,     33,Z, , ,B>,-  ; Maximum routers on NI
0550   819          <RPR,    127,Z, , ,B>,-  ; Router priority on NI
0550   820 >>,S,<<-
0550   821          <COL, CTXSZ, ,R,S,$>,-  ; Collating field
0550   822          <NAM,     15,A,E,S,L>,-  ; Circuit name
0550   823          <VMSNAM,   ,A,R, ,$>,-  ; VMS device name
0550   824          <CHR,      ,T,R, ,$>,-  ; Control QIO characteristics buffer
0550   825          <CNT,      ,T,R, ,$>,-  ; Counters
0550   826          -                       ; loopback nodename if line is in loopback)
0550   827          <LOO,      6,A,R, ,$>,-  ; Loopback name
0550   828          <PNN,      6,A,R, ,$>,-  ; Partner's node name
0550   829          <NUM,     32,T, , ,L>,-  ; X.25 Call number
0550   830          <DTE,     32,T, , ,L>,-  ; X.25 DTE
0550   831          <DEVNAM,   ,T,R, ,$>,-  ; VMS device name, with unit included
0550   832 >>
```

```
07F8    834 ;
07F8    835 ; PHYSICAL LINK INFORMATION
07F8    836 ;
07F8    837 $DEFCNR PLI,-
07F8    838
07F8    839   V,<<-
07F8    840         <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
07F8    841         -                       ; be written - set if in the "off" state
07F8    842         -                       ; state.
07F8    843         <SER,      ,Z, , , >,-  ; Service                (clear if enabled)
07F8    844         -                       ;
07F8    845         -                       ;  This bit controls whether the line may enter
07F8    846         -                       ;  a service state or substate - not whether it
07F8    847         -                       ;  can remain there.  Thus setting this bit
07F8    848         -                       ;  while in a service state will not cause any
07F8    849         -                       ;  change in its actual state.
07F8    850         <DUP,      ,Z,C, , >,-  ; Duplex                 (set if halfduplex)
07F8    851         <CON,      ,Z,C, , >,-  ; Controller             (set if loopback)
07F8    852         <CLO,      ,Z,C, , >,-  ; Clock mode             (set if internal)
07F8    853 >>,S,<<-
07F8    854         <COL, CTXSZ, ,R,S,$>,-  ; Collating field
07F8    855         <VMSNAM,   ,T,R, ,$>,-  ; VMS device name
07F8    856         <NAM,    15,A,E,S,L>,-  ; Line name
07F8    857         <CHR,      ,T,R, ,$>,-  ; Control QIO characteristics buffer
07F8    858         <CNT,      ,T,R, ,$>,-  ; Counters
07F8    859         <MCD,      ,F, , ,L>,-  ; X.25 KMX microcode dump file
07F8    860         <HWA,     6,T,E, ,L>,-  ; NI hardware address for this controller
07F8    861         <DEVNAM,   ,T,R, ,$>,-  ; VMS device name, with unit included
07F8    862 >>,L,<<-
07F8    863         <CTA,        , ,E, ,L>,-  ; Counter absolute timer        (seconds)
07F8    864         <STA,      2,Z, , ,B>,-  ; State set by user
07F8    865         <SUB,     15,Z,R, ,$>,-  ; Substate - what the line is doing
07F8    866         <LCT,        , , , ,W>,-  ; Counter delta timer          (seconds)
07F8    867         <PRO,      6,Z,C, ,B>,-  ; Type
07F8    868         <STI,        , , ,W>,-  ; Service timer                 (milli-sec)
07F8    869         <HTI,        , , , ,W>,-  ; LAPB holdback timer
07F8    870         <MBL,        , , , ,W>,-  ; LAPB maximum block
07F8    871         <MRT,        , , , ,B>,-  ; LAPB maximum retransmits
07F8    872         <MWI,        , , , ,B>,-  ; LAPB maximum window
07F8    873         <SLT,        , , , ,W>,-  ; Scheduling timer
07F8    874         <RTT,        , , , ,W>,-  ; Retransmit timer
07F8    875         <DDT,        , , , ,W>,-  ; Dead timer
07F8    876         <DLT,        ,Z, , ,W>,-  ; Delay timer
07F8    877         <SRT,        , , , ,W>,-  ; Stream timer
07F8    878         <BFN,    255, ,C, ,B>,-  ; Number of rcv buffers in pool
07F8    879         <BUS,        , ,R, ,$>,-  ; Read-only buffer size actually used
07F8    880         <BFS, 16384, ,C, ,W>,-  ; Buffer size to override executor buffer size
07F8    881         <PLVEC,      , ,R, ,$>,-  ; Line's PLVEC index
07F8    882         <MOD,        , , , ,B>,-  ; X.25 mode (DCE, DTE, etc.)
07F8    883         <EPT,        , ,C, ,W>,-  ; Ethernet protocol type
07F8    884 >>
```

```
0AA0   886 ;
0AA0   887 ; NETWORK OBJECT INFORMATION
0AA0   888 ;
0AA0   889 $DEFCNR OBI,-
0AA0   890
0AA0   891     V,<<-
0AA0   892           <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0AA0   893           -                       ; written.  Set if UCB field is active.
0AA0   894           <SET,      ,Z,E, , >,-  ; Set if the CNF was ever modified by a "set"
0AA0   895           -                       ; QIO and therefore not just a "declared"
0AA0   896           -                       ; object (note that it may also be declared).
0AA0   897 >>,L,<<-
0AA0   898           <NUM,   255,Z,C,M,B>,-  ; Object number
0AA0   899           <LPR,     ,Z, , ,L>,-   ; Low order privilege mask
0AA0   900           <HPR,     ,Z, , ,L>,-   ; High order privilege mask
0AA0   901           <UCB,     , ,E, ,L>,-   ; UCB associated with object if declared name
0AA0   902           <PID,     , ,E, ,L>,-   ; PID associated with object if declared name
0AA0   903           <CHN,     , ,E, ,W>,-   ; Channel
0AA0   904           <PRX,     4,Z, , ,B>,-  ; Proxy login switch (inbound, outbound, etc.)
0AA0   905 >>,S,<<-
0AA0   906           <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
0AA0   907           <NAM,    16,A,C,S,L>,-  ; Name
0AA0   908           <FID,    64,F, , ,L>,-  ; File id
0AA0   909           <USR,    39,A, , ,L>,-  ; User id
0AA0   910           <PSW,    39,A,W, ,L>,-  ; Password
0AA0   911           <ACC,    39,A, , ,L>,-  ; Account
0AA0   912           <ZNA,     ,T,R,S,$>,-   ; Set to make uniqueness check on zero obj+name
0AA0   913           <SFI,     ,T,R, ,$>,-   ; Parsed file i.d. with defaults applied
0AA0   914           <IAC,     ,T,R, ,$>,-   ; Concatenated inbound access control
0AA0   915           -                       ; - may get it from NDI CNF for local node
0AA0   916 >>
```

```
0D48   918 ;
0D48   919 ; Event Sink Information
0D48   920 ;
0D48   921 $DEFCNR ESI,-
0D48   922
0D48   923     V,<<-
0D48   924           <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0D48   925           -                       ; written.
0D48   926 >>,L,<<-
0D48   927           <STA,     2,Z, , ,B>,-  ; Logging state
0D48   928           -                       ;
0D48   929           -                       ;       ESI$C_STA_ON    On
0D48   930           -                       ;       ESI$C_STA_OFF   Off
0D48   931           -                       ;       ESI$C_STA_HLD   Hold
0D48   932           -                       ;
0D48   933           <SNK,     3, ,C,S,B>,-  ; Sink type
0D48   934           -                       ;
0D48   935           -                       ;       ESI$C_SNK_CON   Console
0D48   936           -                       ;       ESI$C_SNK_FIL   File
0D48   937           -                       ;       ESI$C_SNK_MON   Monitor
0D48   938           -                       ;
0D48   939           <SP1,      ,Z, , ,W>,-  ; Spare
0D46   940           <B1,       ,Z,C, ,L>,-  ; For user specified use
0D48   941           <B2,       ,Z, , ,L>,-  ; For user specified use
0D48   942 >>,S,<<-
0D48   943           <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
0D48   944           <LNA,   255,A,C, ,L>,-  ; Sink name
0D48   945           <SB1,   255,T, , ,L>,-  ; For user specified use
0D48   946           <SB2,   255,T, , ,L>,-  ; For user specified use
0D48   947           <SB3,   255,T,C, ,L>,-  ; For user specified use
0D48   948 >>
```

```
0FF0   950 ;
0FF0   951 ; Event Filter Information
0FF0   952 ;
0FF0   953 $DEFCNR EFI,-
0FF0   954
0FF0   955     V,<<-
0FF0   956           <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
0FF0   957           -                       ; written.
0FF0   958 >>,L,<<-
0FF0   959           <SIN,      ,Z, ,S,W>,-  ; Sink node address
0FF0   960           <SP1,      ,Z, , ,W>,-  ; Spare
0FF0   961           <B1,       ,Z,C, ,L>,-  ; For user specified use
0FF0   962           <B2,       ,Z, , ,L>,-  ; For user specified use
0FF0   963 >>,S,<<-
0FF0   964           <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
0FF0   965           <EVE,  1023,T, ,M,L>,-  ; Event list
0FF0   966           <SB1,   255,T, , ,L>,-  ; For user specified use
0FF0   967           <SB2,   255,T, , ,L>,-  ; For user specified use
0FF0   968           <SB3,   255,T,C, ,L>,-  ; For user specified use
0FF0   969 >>
```

```
1298   971 ;
1298   972 ; LOGICAL LINK INFORMATION
1298   973 ;
1298   974         ;
1298   975         ;  Define some symbols so that the semantic table can be built
1298   976         ;
1298   977
1298   978 $DEFCNR LLI,-                        ; Build the semantic table
1298   979
1298   980    V,<<-
1298   981         <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
1298   982 >>,L,<<-
1298   983         <PID,      ,Z,E, ,$>,-  ; Process I.D. of owner (external format)
1298   984         <IPID,     ,Z,E, ,$>,-  ; Process I.D. of owner (internal format)
1298   985         <PNA,      ,Z,E, ,$>,-  ; Partner (remote) node address
1298   986         <LLN,      , ,E, ,$>,-  ; Local link number from XWB
1298   987         <RLN,      ,Z,E, ,$>,-  ; Remote link number
1298   988         <DLY,      , ,E, ,$>,-  ; Round trip delay time
1298   989         <STA,      , ,E, ,$>,-  ; State
1298   990         <XWB,      ,Z,N, ,L>,-  ; Pointer to associated XWB
1298   991 >>,S,<<-
1298   992         <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
1298   993         <USR,    39, ,R, ,$>,-  ; User id
1298   994         <PRC,    39, ,R, ,$>,-  ; Process name
1298   995         <PNN,     6, ,R, ,$>,-  ; Remote node name
1298   996         <RID,      , ,R, ,$>,-  ; Remote i.d. (PID, process name, username, etc)
1298   997         <CNT,      ,T,R, ,$>,-  ; Counters
1298   998 >>
1540   999
```

```
1540  1001 ;
1540  1002 ; Server Process Information
1540  1003 ;
1540  1004 $DEFCNR SPI,-
1540  1005
1540  1006    V,<<-
1540  1007          <LCK,      ,Z,R, ,$>,-  ; Set if conditionally writable fields may not
1540  1008          -                       ; written.
1540  1009          <PRL,      ,Z,E, , >,-  ; Proxy flag which initially started server
1540  1010 >>,L,<<-
1540  1011          <PID,      ,Z,E,S,L>,-  ; PID of server process
1540  1012          <IRP,      ,Z,N, ,L>,-  ; IRP of waiting DECLSERV QIO.  0 if working.
1540  1013          <CHN,      ,Z,N, ,W>,-  ; Channel associated with IRP (for cancel)
1540  1014          <RNA,      ,Z,E, ,W>,-  ; Remote node address which initially started
1540  1015          -                       ; the server process
1540  1016 >>,S,<<-
1540  1017          <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
1540  1018          <ACS,   255, ,N, ,L>,-  ; ACS used to initially start server process
1540  1019          <RID,   255, ,E, ,L>,-  ; Remote user ID which initially started server
1540  1020          <SFI,   255, ,E, ,L>,-  ; Last (current) SFI given to server process
1540  1021          <NCB,   255, ,E, ,L>,-  ; Last (current) NCB given to server process
1540  1022          <PNM,   255, ,E, ,L>,-  ; Last (current) process name given to server
1540  1023 >>
```

```
                     17E8  1025 ;
                     17E8  1026 ; Adjacency Information
                     17E8  1027 ;
                     17E8  1028 $DEFCNR AJI,-
                     17E8  1029
                     17E8  1030    V,<<-
                     17E8  1031          <LCK,      , ,R, ,$>,-  ; Set if conditionally writable fields may not
                     17E8  1032          -                       ; written.
                     17E8  1033          <REA,      , ,R, ,$>,-  ; True if adjacency in "run" state (two-way)
                     17E8  1034 >>,L,<<-
                     17E8  1035          <ADD,      , ,R, ,$>,-  ; Partner node address
                     17E8  1036          <TYP,      , ,R, ,$>,-  ; Partner node type
                     17E8  1037          <LIT,      , ,R, ,$>,-  ; Adjacency listen interval
                     17E8  1038          <BLO,      , ,R, ,$>,-  ; Partner block size
                     17E8  1039          <RPR,      , ,R, ,$>,-  ; Partner broadcast router priority
                     17E8  1040 >>,S,<<-
                     17E8  1041          <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
                     17E8  1042          <NNA,      , ,R, ,$>,-  ; Partner node name
                     17E8  1043          <CIR,      , ,R, ,$>,-  ; Circuit name
                     17E8  1044 >>
                     1A90  1045
                     1A90  1046 NET$T_CNF_AJI::
00001AB6             1A90  1047          .BLKB   CNF$C_LENGTH+2  ; Define dummy AJI CNF block
                     1AB6  1048                                  ; (the extra word is used to hold "previous"
                     1AB6  1049                                  ;  entry in the database)
00000000             1AB6  1050 AJI$C_LENGTH = 0                 ; There is no actual storage for this database
```

```
                     1AB6  1052 ;
                     1AB6  1053 ; Service (DLE) Information
                     1AB6  1054 ;
                     1AB6  1055 $DEFCNR SDI,-
                     1AB6  1056
                     1AB6  1057    V,<<-
                     1AB6  1058          <LCK,      , ,R, ,$>,-  ; Set if conditionally writable fields may not
                     1AB6  1059          -                       ; written.
                     1AB6  1060 >>,L,<<-
                     1AB6  1061          <SUB,      , ,R, ,$>,-  ; Service substate
                     1AB6  1062          <PID,      , ,R, ,$>,-  ; Process I.D. of owner
                     1AB6  1063 >>,S,<<-
                     1AB6  1064          <COL, CTXSZ, ,R,S,$>,-  ; Field used to collate the database
                     1AB6  1065          <CIR,      , ,R, ,$>,-  ; Circuit name
                     1AB6  1066          <PHA,      , ,R, ,$>,-  ; Service phys. addr. (BC only)
                     1AB6  1067          <PRC,      , ,R, ,$>,-  ; Process name
                     1AB6  1068 >>
                     1D60  1069
                     1D60  1070 NET$T_CNF_SDI::
00001D86             1D60  1071          .BLKB   CNF$C_LENGTH+2  ; Define dummy SDI CNF block
                     1D86  1072                                  ; (the extra word is used to hold "previous"
                     1D86  1073                                  ;  entry in the database)
00000000             1D86  1074 SDI$C_LENGTH = 0                 ; There is no actual storage for this database
```

```
                     1D86  1076 ;
                     1D86  1077 ; AREA (LEVEL 2) INFORMATION
                     1D86  1078 ;
                     1D86  1079 $DEFCNR   ARI,-
                     1D86  1080
                     1D86  1081    V,<<-
                     1D86  1082          <LCK,      , ,R, ,$>,-  ; Set if conditionally writable fields may not
                     1D86  1083          -                       ; written.
                     1D86  1084          <REA,      , ,R, ,$>,-  ; Set if the area is reachable
                     1D86  1085 >>,L,<<-
                     1D86  1086          <ADD,      , ,R, ,$>,-  ; Area number
                     1D86  1087          <DCO,      , ,R, ,$>,-  ; Total cost to nearest level 2 rtr in area
                     1D86  1088          <DHO,      , ,R, ,$>,-  ; Total hops to nearest level 2 rtr in area
                     1D86  1089          <NND,      , ,R, ,$>,-  ; Next hop node on way to remote area
                     1D86  1090 >>,S,<<-
                     1D86  1091          <COL, CTXSZ, ,R,S,$>,-  ; Collating field
                     1D86  1092          <DLI,      , ,R, ,$>,-  ; Circuit used for normal traffic to area
                     1D86  1093 >>
                     2030  1094
                     2030  1095 NET$T_CNF_ARI::
00002056             2030  1096          .BLKB   CNF$C_LENGTH+2  ; Define dummy ARI CNF block
                     2056  1097                                  ; (the extra word is used to hold "previous"
                     2056  1098                                  ;  entry in the database)
00000000             2056  1099 ARI$C_LENGTH = 0                 ; There is no actual storage for this database
```

```
                            2056  1101
                        00000000  1102          .PSECT  TABLES_PURE,NOWRT,NOEXE,LONG
                            0000  1103
                            0000  1104
00000000'00000000'00000000'00000000' 0000  1105 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  1106                                          ; default database param values
                            0070  1107
                            0070  1108 $CNF_DEF LNI,-                    ; Local Node Default Parameter Settings
                            0070  1109
                            0070  1110     <-
                            0070  1111         <DAC,L, NMA$C_ACES_BOTH>,- ; Default access switch
                            0070  1112         <DPX,L, NMA$C_ACES_BOTH>,- ; Default proxy access switch
                            0070  1113         <ETY,L, ADJ$C_PTY_PH4>,-   ; Type = Phase IV routing
                            0070  1114
                            0070  1115         <DFA,L,   80>,-          ; Delay factor
                            0070  1116         <DWE,L,    5>,-          ; Delay weight
                            0070  1117         <RFA,L,   10>,-          ; Retransmit factor
                            0070  1118         <ITI,L,   45>,-          ; Incoming timer                (units = sec)
                            0070  1119         <OTI,L,   45>,-          ; Outgoing timer                (units = sec)
                            0070  1120         <IAT,L,   60>,-          ; Inactivity timer              (units = sec)
                            0070  1121         <RTI,L,  600>,-          ; Routing timer                 (units = sec)
                            0070  1122         <BRT,L,   40>,-          ; Broadcast routing timer       (units = sec)
                            0070  1123         <RSI,L,    1>,-          ; Min routing delay interval    (units = sec)
                            0070  1124         <MLK,L,   32>,-          ; Maximum supported logical links
                            0070  1125         <MCO,L, 1022>,-          ; Maximum cost
                            0070  1126         <MHO,L,   30>,-          ; Maximum hops
                            0070  1127         <MVI,L,   63>,-          ; Maximum visits
                            0070  1128         <MBR,L,   32>,-          ; Maximum broadcast routers
                            0070  1129         <MBE,L,   64>,-          ; Maximum broadcast endnodes
                            0070  1130     >
                            0104  1131
                            0104  1132 NET$G_LNI_AREA::                  ; Defaults for area routers
                            0104  1133     $CNF_DEF_TAB LNI,-
                            0104  1134
                            0104  1135     <-
                            0104  1136         <MAR,L,   63>,-          ; Max areas
                            0104  1137         <AMC,L, 1022>,-          ; Area max cost
                            0104  1138         <AMH,L,   30>,-          ; Area max hops
                            0104  1139     >
                            0120  1140
                            0120  1141 $CNF_DEF  NDI,-                   ; Remote Node Default Parameter Settings
                            0120  1142                                   ; No default settings
                            0124  1143
                            0124  1144 $CNF_DEF  CRI,-                   ; Defaults for all types of circuits
                            0124  1145
                            0124  1146     <-
                            0124  1147         <STA,L, NMA$C_STATE_OFF>,- ; State set by user
                            0124  1148     >
                            0130  1149
                            0130  1150 NET$G_CRI_TRN::                   ; Defaults for all types of Transport circuits
                            0130  1151     $CNF_DEF_TAB CRI,-
```

```
0130  1152
0130  1153    <-
0130  1154          <COS,l,  10>,-          ; Cost
0130  1155          <HET,l,  15>,-          ; Hello timer             (seconds)
0130  1156    >
0144  1157
0144  1158 NET$G_CRI_DDCMP::                ; Defaults for DDCMP circuits
0144  1159     $CNF_DEF_TAB CRI,-
0144  1160
0144  1161    <-
0144  1162          <SER,v, NMA$C_LINSV_ENA>,- ; Service enabled
0144  1163          <VER,v, NMA$C_CIRVE_DIS>,- ; Transport verification (0 if requested)
0144  1164    >
0158  1165
0158  1166 NET$G_CRI_X25                     ; Defaults for X25 circuits
0158  1167     $CNF_DEF_  3 CRI,-
0158  1168
0158  1169    <-
0158  1170          <TYP,l, NMA$C_CIRTY_X25>,- ; Circuit type
0158  1171    >
0164  1172
0164  1173 NET$G_CRI_DLM::                   ; Defaults for DLM circuits
0164  1174     $CNF_DEF_TAB CRI,-
0164  1175
0164  1176    <-
0164  1177          <VER,v, NMA$C_CIRVE_DIS>,- ; Transport verification (0 if requested)
0164  1178    >
0170  1179
0170  1180 NET$G_CRI_DLMOUT::                ; Defaults for outgoing DLM circuits
0170  1181     $CNF_DEF_TAB CRI,-
0170  1182
0170  1183    <-
0170  1184          <MRC,l, 100>,-          ; Prevent infinite outgoing calls
0170  1185          <RCT,l, 60>,-           ; Retry call every 60 seconds
0170  1186    >
0184  1187
0184  1188 NET$G_CRI_NI::                    ; Defaults for NI circuits
0184  1189     $CNF_DEF_TAB CRI,-
0184  1190
0184  1191     <-
0184  1192          <SER,v,  NMA$C_LINSV_DIS>,- ; Service disabled
0184  1193          <TYP,l,  NMA$C_CIRTY_NI>,-  ; Circuit type = Ethernet (read only)
0184  1194          <RPR,l,  64>,-          ; Router priority on NI
0184  1195     >
01A0  1196
01A0  1197 $CNF_DEF  PLI,-                 ; Defaults for all types of physical lines
01A0  1198
01A0  1199    <-
01A0  1200          <STA,l, NMA$C_STATE_OFF>,- ; State set by user
01A0  1201    >
01AC  1202
01AC  1203 NET$G_PLI_DDCMP::                ; Defaults for DDCMP lines
01AC  1204     $CNF_DEF_TAB PLI,-
01AC  1205
01AC  1206    <-
01AC  1207          <DUP,v, NMA$C_DPX_FUL>,-   ; Duplex              (set if halfduplex)
01AC  1208          <CON,v, NMA$C_LINCN_NOR>,- ; Controller          (set if loopback)
```

```
01AC  1209          <BFN,L,  4>,-           ; Number of rcv buffers in pool
01AC  1210          <STI,L, 4000>,-         ; Service I/O timeout value of 4 seconds
01AC  1211      >
01D0  1212
01D0  1213  NET$G_PLI_LAPB::                ; Defaults for LAPB lines
01D0  1214      $CNF_DEF_TAB PLI,-
01D0  1215
01D0  1216      <-
01D0  1217          <CON,V, NMA$C_LINCN_NOR>,- ; Controller         (set if loopback)
01D0  1218          <BFN,L,  4>,-           ; Number of rcv buffers in pool
01D0  1219      >
01E4  1220
01E4  1221  NET$G_PLI_NI::                  ; Defaults for NI lines
01E4  1222      $CNF_DEF_TAB PLI,-
01E4  1223
01E4  1224      <-
01E4  1225          <CON,V, NMA$C_LINCN_NOR>,- ; Controller         (set if loopback)
01E4  1226          <BFN,L,  6>,-           ; Number of rcv buffers in pool
01E4  1227          <BFS,L, 1498>,-         ; Size of desired transport messages
01E4  1228          <STI,L, 4000>,-         ; Service I/O timeout value of 4 seconds
01E4  1229      >
0208  1230
0208  1231  $CNF_DEF  OBI,-                 ; Network Object Default Parameter Settings
0208  1232                                  ; No default settings
020C  1233
020C  1234  $CNF_DEF  ESI,-                 ; Event Sink default parameter settings
020C  1235                                  ; No default settings
0210  1236
0210  1237  $CNF_DEF  EFI,-                 ; Event Filter default parameter settings
0210  1238                                  ; No default settings
0214  1239
0214  1240  $CNF_DEF  LLI,-                 ; Logical-link default parameter settings
0214  1241                                  ; No default settings
0218  1242
0218  1243  $CNF_DEF  SPI,-                 ; Server Process default parameter settings
0218  1244                                  ; No default settings
021C  1245
021C  1246  $CNF_DEF  AJI,-                 ; Adjacency default parameter settings
021C  1247                                  ; No default settings
0220  1248
0220  1249  $CNF_DEF  SDI,-                 ; Service (DLE) default parameter settings
0220  1250                                  ; No default settings
0224  1251
0224  1252  $CNF_DEF  ARI,-                 ; Adjacency default parameter settings
0224  1253                                  ; No default settings
0228  1254
```

```
00002056  1256          .PSECT  TABLES_IMPURE,WRT,EXE,GBL,LONG
     2056  1257
     2056  1258 ;
     2056  1259 ;  Build the TASK OBI
     2056  1260 ;
     2056  1261 BLD_OBI_TASK:   $BLDCNF obi,<-
     2056  1262                             <obi,s,nam, TASK>   -; Object name
     2056  1263                             <obi,l,num, 0>      -; Object number
     2056  1264                 >
     2070  1265 BLD_OBI_FAL:    $BLDCNF obi,<-
     2070  1266                             <obi,s,nam, FAL>    -; Object name
     2070  1267                             <obi,l,num, 17>     -; Object number
     2070  1268                             <obi,s,fid, <FAL.EXE>>-; Object filespec
     2070  1269                 >
     2095  1270 BLD_OBI_HLD:    $BLDCNF obi,<-
     2095  1271                             <obi,s,nam, HLD>    -; Object name
     2095  1272                             <obi,l,num, 18>     -; Object number
     2095  1273                 >
     20AE  1274 BLD_OBI_NML:    $BLDCNF obi,<-
     20AE  1275                             <obi,s,nam, NML>    -; Object name
     20AE  1276                             <obi,l,num, 19>     -; Object number
     20AE  1277                             <obi,s,fid, <NML.EXE>>-; Object filespec
     20AE  1278                 >
     20D3  1279 BLD_OBI_REMACP: $BLDCNF obi,<-
     20D3  1280                             <obi,s,nam, REMACP> -; Object name
     20D3  1281                             <obi,l,num, 23>     -; Object number
     20D3  1282                 >
     20EF  1283 BLD_OBI_MIRROR: $BLDCNF obi,<-
     20EF  1284                             <obi,s,nam, MIRROR> -; Object name
     20EF  1285                             <obi,l,num, 25>     -; Object number
     20EF  1286                 >
     210B  1287 BLD_OBI_EVL:    $BLDCNF obi,<-
     210B  1288                             <obi,s,nam, EVL>    -; Object name
     210B  1289                             <obi,l,num, 26>     -; Object number
     210B  1290                 >
     2124  1291 BLD_OBI_MAIL:   $BLDCNF obi,<-
     2124  1292                             <obi,s,nam, MAIL>   -; Object name
     2124  1293                             <obi,l,num, 27>     -; Object number
     2124  1294                             <obi,l,prx, NMA$C_ACES_OUTG> - ; Proxy access
     2124  1295                             <obi,s,fid, <MAIL.EXE>>-; Object filespec
     2124  1296                 >
     2154  1297 BLD_OBI_PHONE:  $BLDCNF obi,<-
     2154  1298                             <obi,s,nam, PHONE>  -; Object name
     2154  1299                             <obi,l,num, 29>     -; Object number
     2154  1300                             <obi,l,prx, NMA$C_ACES_OUTG> - ; Proxy access
     2154  1301                             <obi,s,fid, <PHONE.EXE>>-; Object filespec
     2154  1302                 >
     2186  1303 BLD_OBI_CTERM:  $BLDCNF obi,<-
     2186  1304                             <obi,s,nam, CTERM>  -; Object name
     2186  1305                             <obi,l,num, 42>     -; Object number
     2186  1306                 >
     21A1  1307 BLD_OBI_DTR:    $BLDCNF obi,<-
     21A1  1308                             <obi,s,nam, DTR>    -; Object name
     21A1  1309                             <obi,l,num, 63>     -; Object number
     21A1  1310                 >
     21BA  1311 BLD_OBI_MOM:    $BLDCNF obi,<-
     21BA  1312                             <obi,s,nam, $MOM>   -; Object name
```

```
                21BA  1313                              <obi,l,num, 0>      -; Object number
                21BA  1314                          >
                21D4  1315 BLD_OBI_NICONFIG:
                21D4  1316                      $BLDCNF obi,<-
                21D4  1317                              <obi,s,nam, $NICONFIG> -; Object name
                21D4  1318                              <obi,l,num, 0>      -; Object number
                21D4  1319                      >
                21F3  1320
                21F3  1321 ;
                21F3  1322 ;  Build NDI block for the local node
                21F3  1323 ;
                21F3  1324 BLD_NDI_LOC:     $BLDCNF ndi,<-
                21F3  1325                              <ndi,l,ADD, 0>      -; Address is 0 at boot time
                21F3  1326                      >
                2204  1327
                2204  1328 ;
                2204  1329 ;  Build the LNI block
                2204  1330 ;
                2204  1331 BLD_LNI:         $BLDCNF lni,<-
                2204  1332                              <lni,l,sta, LNI$C_STA_INIT> -; Local state
                2204  1333
                2204  1334                              <lni,l,add, 0>      -; Local address
                2204  1335                              <lni,l,mln, 16>     -; Max circuits
                2204  1336                              <lni,l,mbu, 100>    -; Max buffers
                2204  1337                              <lni,l,mad, 32>     -; Max node address
                2204  1338                              <lni,l,bus, 576>    -; Buffer size
                2204  1339                              <lni,l,piq, 3000>   -; Pipeline quota
                2204  1340                              <lni,s,nve, 400>    -; NSP version is 4.0.0
                2204  1341                              <lni,s,rve, 200>    -; Routing version is 2.0.0
                2204  1342                              <lni,s,mve, 400>    -; Network Management version
                2204  1343                                                  -; is 4.0.0
                2204  1344
                2204  1345                              <lni,s,ide, <DECnet-VAX V4.0,  VMS 12345678>> -
                2204  1346                          >
                2286  1347
0000227A        2286  1348 .=.-12
00002282        227A  1349 NET$GQ_VERSION:: .BLKB  8                  ; Backup in order to stuff version
                2282  1350                                            ; of VMS
00000000        2282  1351          .LONG  0                    ; All $BLDCNF blocks are terminated by
                2286  1352                                      ; a zero
                2286  1353
```

```
                        00000000  1355          .PSECT  NET_INIT_CODE,NOWRT,EXE
                              0000  1356 ;+
                              0000  1357 ; NET$INI_CONFIG - Init internal configuration data base
                              0000  1358 ;
                              0000  1359 ; FUNCTIONAL DESCRIPTION:
                              0000  1360 ;
                              0000  1361 ;-
                              0000  1362
                              0000  1363 NET$INI_CONFIG::
                         0FFC 0000  1364          .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
                              0002  1365
            00000000'EF   D4  0002  1366          CLRL    NET$GL_FLAGS            ; Clear internal flags
                              0008  1367          ;
                              0008  1368          ;   Allocate the utility buffer
                              0008  1369          ;
                51  1000 8F   3C  0008  1370          MOVZWL  #NET$C_UTLBUFSIZ,R1     ; Set size of utility buffer
                 00000000'EF  16  000D  1371          JSB     NET$ALLOCATE            ; Allocate the storage
            00000004'EF   52   D0  0013  1372          MOVL    R2,NET$GL_UTLBUF        ; Store address of buffer
                              001A  1373          ;
                              001A  1374          ; Allocate a dummy NDI CNF block which is used to represent
                              001A  1375          ; nodes which are reachable, but not in the NDI list (phantom).
                              001A  1376          ;
            5B  00000008'EF   D0  001A  1377          MOVL    NET$GL_CNR_NDI,R11      ; Setup NDI root
                 00000000'EF  16  0021  1378          JSB     CNF$INIT_UTL            ; Init "utility buffer" as a CNF
                           58   D4  0027  1379          CLRL    R8                      ; Use harmless field value
                              0029  1380          $CNFFLD ndi,l,add,R9            ; Stuff it into the CNF
                 00000000'EF  16  0030  1381          JSB     CNF$PUT_FIELD           ;
                       04 50  E8  0036  1382          BLBS    R0,4$                   ; If LBS then okay
                              0039  1383          BUG_CHECK  NETNOSTATE,FATAL     ; Programming error
                 00000000'EF  16  003D  1384 4$:      JSB     CNF$CLONE               ; Clone a CNF copy from ACP pool
                       04 50  E8  0043  1385          BLBS    R0,6$                   ; If LBS then okay
                              0046  1386          BUG_CHECK  NETNOSTATE,FATAL     ; Programming error
                          04  88  004A  1387 6$:      BISB    #CNF$M_FLG_ACP,-        ; Mark it as the catch-all CNF
                       0B AA          004C  1388                  CNF$B_FLG(R10)  ;
            00000008'EF   5A   D0  004E  1389          MOVL    R10,NET$GL_DUM_NDI      ; Store it
                              0055  1390          ;
                              0055  1391          ;   Initialize CNR pointers to the tree root
                              0055  1392          ;
                 000002A8'EF  D4  0055  1393          CLRL    NET$GL_COL_TREE         ; Initialize the COLLATE root
                 000002AC'EF  D4  005B  1394          CLRL    NET$GL_NAME_TREE        ; Initialize the NAME root
                              0061  1395          ;
                              0061  1396          ;   Insert minimally required entries into data base
                              0061  1397          ;
            56  00000070'EF   DE  0061  1398          MOVAL   BLD_VEC,R6              ; Setup vector pointer
                      55   86  D0  0068  1399 10$:     MOVL    (R6)+,R5                ; Get address of parameter buffer
                           46  13  006B  1400          BEQL    60$                     ; Done if EQL
                      5B   85  D0  006D  1401          MOVL    (R5)+,R11               ; Get the CNR pointer
                 00000000'EF  16  0070  1402          JSB     CNF$INIT_UTL            ; Init "utility buffer" as a CNF
                       04 50  E8  0076  1403          BLBS    R0,20$                  ; If LBS then okay
                              0079  1404          BUG_CHECK NETNOSTATE,FATAL      ; Else programming bug
                      59   85  D0  007D  1405 20$:     MOVL    (R5)+,R9                ; Get next field i.d.
                           1D  13  0080  1406          BEQL    50$                     ; If EQL then no more fields
                      57   85  9A  0082  1407          MOVZBL  (R5)+,R7                ; Get size of string
                           08  13  0085  1408          BEQL    30$                     ; If EQL then its not a string
                      58   65  9E  0087  1409          MOVAB   (R5),R8                 ; Point to string
                      55   57  C0  008A  1410          ADDL    R7,R5                   ; Advance past string
                           03  11  008D  1411          BRB     40$                     ; Continue in common
```

```
                58    85    D0   008F  1412 30$:    MOVL    (R5)+,R8                ; Get field value
00000000'EF       16    0092  1413 40$:    JSB     CNF$PUT_FIELD           ; Move the field to the CNF block
                E2 50    E8   0098  1414          BLBS    R0,20$                  ; If LBS then successful, loop
                         009B  1415          BUG_CHECK NETNOSTATE,FATAL      ; Else programming bug
                   56    DD   009F  1416 50$:    PUSHL   R6                      ; Save reg
                   56    D4   00A1  1417          CLRL    R6                      ; Say "no former CNF to replace"
00000000'EF       16    00A3  1418          JSB     CNF$INSERT              ; Insert the CNF block
                   56 8ED0   00A9  1419          POPL    R6                      ; Restore reg
                B9 50    E8   00AC  1420          BLBS    R0,10$                  ; Loop if successful
                         00AF  1421          BUG_CHECK NETNOSTATE,FATAL      ; Else a bug exists
                         00B3  1422          ;
                         00B3  1423          ;   Initialize the NDC counter area
                         00B3  1424          ;
                FF4A'    30   00B3  1425 60$:    BSBW    NET$INIT_NDCOU          ; Initialize NDC area
                         00B6  1426          ;
                         00B6  1427          ;   Done
                         00B6  1428          ;
             50    01    D0   00B6  1429 100$:   MOVL    #1,R0                   ; Indicate success
                         04   00B9  1430          RET                             ; Done
                         00BA  1431
                         00BA  1432 .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$B_MTR                       = 0000003A
CRI$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_PRVEC                       = 00000021
MXDRL                           = 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$GL_PTR_UCBO                 0000000C RG    04
NET$GL_PTR_VCB                  00000008 RG    04
NET$GL_SAVE_IRP                 0000001C RG    03
NET$GL_SAVE_UCB                 00000020 RG    03
NET$GL_UTLBUF                   00000004 RG    03
NET$GQ_TMP_BUF                  0000000C RG    03
NET$GQ_USR_STAT                 00000028 RG    03
NET$GQ_UTLDESC                  00000000 RG    03
NET$GQ_VERSION                  0000227A RG    05
NET$GW_NETCHAN                  00000030 RG    03
NET$G_CRI_DDCMP                 00000144 RG    06
NET$G_CRI_DLM                   00000164 RG    06
NET$G_CRI_DLMOUT                00000170 RG    06
NET$G_CRI_NI                    00000184 RG    06
NET$G_CRI_TRN                   00000130 RG    06
NET$G_CRI_X25                   00000158 RG    06
NET$G_LNI_AREA                  00000104 RG    06
NET$G_PLI_DDCMP                 000001AC RG    06
NET$G_PLI_LAPB                  000001D0 RG    06
NET$G_PLI_NI                    000001E4 RG    06
NET$INIT_RDCOU                  ********   X   07
NET$INI_CONFIG                  00000000 RG    07
NET$INSERT_AJI                  ********   X   05
NET$INSERT_ARI                  ********   X   05
NET$INSERT_CRI                  ********   X   05
NET$INSERT_EFI                  ********   X   05
NET$INSERT_ESI                  ********   X   05
NET$INSERT_LLI                  ********   X   05
NET$INSERT_LNI                  ********   X   05
NET$INSERT_NDI                  ********   X   05
NET$INSERT_OBI                  ********   X   05
NET$INSERT_PLI                  ********   X   05
NET$INSERT_SDI                  ********   X   05
NET$INSERT_SPI                  ********   X   05
NET$LLI_L_DLY                   ********   X   05
NET$LLI_L_IPID                  ********   X   05
NET$LLI_L_LLN                   ********   X   05
NET$LLI_L_PID                   ********   X   05
NET$LLI_L_PNA                   ********   X   05
NET$LLI_L_RLN                   ********   X   05
NET$LLI_L_STA                   ********   X   05
NET$LLI_S_CNT                   ********   X   05
NET$LLI_S_COL                   ********   X   05
NET$LLI_S_PNN                   ********   X   05
NET$LLI_S_PRC                   ********   X   05
NET$LLI_S_RID                   ********   X   05
NET$LLI_S_USR                   ********   X   05
NET$LLI_V_LCK                   ********   X   05
NET$LNI_L_ACL                   ********   X   05
NET$LNI_L_ADD                   ********   X   05
NET$LNI_L_STA                   ********   X   05
NET$LNI_S_CNT                   ********   X   05
NET$LNI_S_COL                   ********   X   05
NET$LNI_S_NAM                   ********   X   05
NET$LNI_S_PHA                   ********   X   05
NET$LNI_V_LCK                   ********   X   05
NET$M_MAXLNKMSK                 = 000003FF

NET$NDI_L_ACL                   ********   X   05
NET$NDI_L_ADD                   ********   X   05
NET$NDI_L_DCO                   ********   X   05
NET$NDI_L_DEL                   ********   X   05
NET$NDI_L_DHO                   ********   X   05
NET$NDI_L_DTY                   ********   X   05
NET$NDI_L_NND                   ********   X   05
NET$NDI_L_TAD                   ********   X   05
NET$NDI_S_CNT                   ********   X   05
NET$NDI_S_COL                   ********   X   05
NET$NDI_S_DLI                   ********   X   05
NET$NDI_S_HAC                   ********   X   05
NET$NDI_S_NNN                   ********   X   05
NET$NDI_V_LCK                   ********   X   05
NET$NDI_V_LOO                   ********   X   05
NET$NDI_V_REA                   ********   X   05
NET$OBI_S_COL                   ********   X   05
NET$OBI_S_IAC                   ********   X   05
NET$OBI_S_SFI                   ********   X   05
NET$OBI_S_ZNA                   ********   X   05
NET$OBI_V_LCK                   ********   X   05
NET$PLI_L_BUS                   ********   X   05
NET$PLI_L_PLVEC                 ********   X   05
NET$PLI_L_SUB                   ********   X   05
NET$PLI_S_CHR                   ********   X   05
NET$PLI_S_CNT                   ********   X   05
NET$PLI_S_COL                   ********   X   05
NET$PLI_S_DEVNAM                ********   X   05
NET$PLI_S_VMSNAM                ********   X   05
NET$PLI_V_LCK                   ********   X   05
NET$PRE_QIO_AJI                 ********   X   05
NET$PRE_QIO_ARI                 ********   X   05
NET$PRE_QIO_CRI                 ********   X   05
NET$PRE_QIO_EFI                 ********   X   05
NET$PRE_QIO_ESI                 ********   X   05
NET$PRE_QIO_LLI                 ********   X   05
NET$PRE_QIO_LNI                 ********   X   05
NET$PRE_QIO_NDI                 ********   X   05
NET$PRE_QIO_OBI                 ********   X   05
NET$PRE_QIO_PLI                 ********   X   05
NET$PRE_QIO_SDI                 ********   X   05
NET$PRE_QIO_SPI                 ********   X   05
NET$REMOVE_AJI                  ********   X   05
NET$REMOVE_ARI                  ********   X   05
NET$REMOVE_CRI                  ********   X   05
NET$REMOVE_EFI                  ********   X   05
NET$REMOVE_ESI                  ********   X   05
NET$REMOVE_LLI                  ********   X   05
NET$REMOVE_LNI                  ********   X   05
NET$REMOVE_NDI                  ********   X   05
NET$REMOVE_OBI                  ********   X   05
NET$REMOVE_PLI                  ********   X   05
NET$REMOVE_SDI                  ********   X   05
NET$REMOVE_SPI                  ********   X   05
NET$SCAN_AJI                    ********   X   05
NET$SCAN_ARI                    ********   X   05
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$C_EFI_SIN                   = 06000010
NFB$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_NDI_CPU = 0201001A
NFB$C_NDI_CTA = 02010011
NFB$C_NDI_CTI = 02010013
NFB$C_NDI_DAD = 0201001C
NFB$C_NDI_DCO = 02010017
NFB$C_NDI_DCT = 0201001D
NFB$C_NDI_DEL = 02010015
NFB$C_NDI_DFL = 02020056
NFB$C_NDI_DHO = 02010018
NFB$C_NDI_DLI = 0202004D
NFB$C_NDI_DTY = 02010016
NFB$C_NDI_DUM = 0202004A
NFB$C_NDI_HAC = 02020041
NFB$C_NDI_HWA = 02020057
NFB$C_NDI_IHO = 0201001F
NFB$C_NDI_LCK = 02000001
NFB$C_NDI_LOA = 02020046
NFB$C_NDI_LOO = 02000002
NFB$C_NDI_NAC = 02020052
NFB$C_NDI_NLI = 0202004C
NFB$C_NDI_NNA = 02020043
NFB$C_NDI_NND = 02010022
NFB$C_NDI_NNN = 02020059
NFB$C_NDI_NPW = 02020053
NFB$C_NDI_NUS = 02020051
NFB$C_NDI_OHO = 0201001E
NFB$C_NDI_PAC = 0202004F
NFB$C_NDI_PPW = 02020050
NFB$C_NDI_PRX = 02010021
NFB$C_NDI_PUS = 0202004E
NFB$C_NDI_REA = 02000003
NFB$C_NDI_RPA = 02020054
NFB$C_NDI_SDU = 0202004B
NFB$C_NDI_SDV = 02010019
NFB$C_NDI_SID = 02020049
NFB$C_NDI_SLI = 02020044
NFB$C_NDI_SLO = 02020047
NFB$C_NDI_SNV = 02010023
NFB$C_NDI_SPA = 02020045
NFB$C_NDI_STY = 02010018
NFB$C_NDI_TAD = 02010010
NFB$C_NDI_TLO = 02020048
NFB$C_NDI_TPA = 02020055
NFB$C_OBI_ACC = 03020047
NFB$C_OBI_CHN = 03010013
NFB$C_OBI_COL = 03020040
NFB$C_OBI_FID = 03020045
NFB$C_OBI_HPR = 03010011
NFB$C_OBI_IAC = 03020043
NFB$C_OBI_LCK = 03000001
NFB$C_OBI_LPR = 03010010
NFB$C_OBI_NAM = 03020044
NFB$C_OBI_NUM = 03010014
NFB$C_OBI_PID = 03010015
NFB$C_OBI_PRX = 03010016
NFB$C_OBI_PSW = 03020048
NFB$C_OBI_SET = 03000002
NFB$C_OBI_SFI = 03020042
NFB$C_OBI_UCB = 03010012
NFB$C_OBI_USR = 03020046
NFB$C_OBI_ZNA = 03020041
NFB$C_PLI_BFN = 0501001E
NFB$C_PLI_BFS = 05010027
NFB$C_PLI_BUS = 0501001F
NFB$C_PLI_CHR = 05020043
NFB$C_PLI_CLO = 05000005
NFB$C_PLI_CNT = 05020044
NFB$C_PLI_COL = 05020040
NFB$C_PLI_CON = 05000004
NFB$C_PLI_CTA = 05010010
NFB$C_PLI_DDT = 0501001B
NFB$C_PLI_DEVNAM = 05020047
NFB$C_PLI_DLT = 0501001C
NFB$C_PLI_DUP = 05000003
NFB$C_PLI_EPT = 05010026
NFB$C_PLI_HTI = 05010016
NFB$C_PLI_HWA = 05020046
NFB$C_PLI_LCK = 05000001
NFB$C_PLI_LCT = 05010013
NFB$C_PLI_MBL = 05010017
NFB$C_PLI_MCD = 05020045
NFB$C_PLI_MOD = 05010022
NFB$C_PLI_MRT = 05010018
NFB$C_PLI_MWI = 05010019
NFB$C_PLI_NAM = 05020041
NFB$C_PLI_PLVEC = 05010020
NFB$C_PLI_PRO = 05010014
NFB$C_PLI_RTT = 05010021
NFB$C_PLI_SER = 05000002
NFB$C_PLI_SLT = 0501001A
NFB$C_PLI_SRT = 0501001D
NFB$C_PLI_STA = 05010011
NFB$C_PLI_STI = 05010015
NFB$C_PLI_SUB = 05010012
NFB$C_PLI_VMSNAM = 05020042
NFB$C_SDI_CIR = 1A020041
NFB$C_SDI_COL = 1A020040
NFB$C_SDI_LCK = 1A000001
NFB$C_SDI_PHA = 1A020042
NFB$C_SDI_PID = 1A010011
NFB$C_SDI_PRC = 1A020043
NFB$C_SDI_SUB = 1A010010
NFB$C_SPI_ACS = 12020041
NFB$C_SPI_CHN = 12010012
NFB$C_SPI_COL = 12020040
NFB$C_SPI_IRP = 12010011
NFB$C_SPI_LCK = 12000001
NFB$C_SPI_NCB = 12020044
NFB$C_SPI_PID = 12010010
NFB$C_SPI_PNM = 12020045
NFB$C_SPI_PRL = 12000002
NFB$C_SPI_RID = 12020042
NFB$C_SPI_RNA = 12010013
```

```
NFB$C_SPI_SFI           =  12020043
NFB$M_INX               =  0000FFFF
NMA$C_ACES_BOTH         =  00000003
NMA$C_ACES_OUTG         =  00000002
NMA$C_CIRTY_NI          =  00000006
NMA$C_CIRTY_X25         =  00000003
NMA$C_CIRVE_DIS         =  00000001
NMA$C_DPX_FUL           =  00000000
NMA$C_LINCN_NOR         =  00000000
NMA$C_LINSV_DIS         =  00000001
NMA$C_LINSV_ENA         =  00000000
NMA$C_STATE_OFF         =  00000001
NSP$C_EXT_LNK           =  0000001E
NSP$C_MAXADR            =  00000009
OBI$B_NUM               =  00000000
OBI$B_PRX               =  00000001
OBI$C_LENGTH            =  00000028
OBI$L_HPR               =  00000008
OBI$L_LPR               =  00000004
OBI$L_PID               =  00000010
OBI$L_S_ACC             =  00000020
OBI$L_S_FID             =  00000018
OBI$L_S_NAM             =  00000014
OBI$L_S_PSW             =  00000024
OBI$L_S_USR             =  0000001C
OBI$L_UCB               =  0000000C
OBI$W_CHN               =  00000002
PLI$B_BFN               =  00000008
PLI$B_MOD               =  0000002A
PLI$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$C_LENGTH            =  00000000
SIZ...                  =  00000001
SPI$C_LENGTH            =  00000020
SPI$L_IRP               =  00000004
SPI$L_PID               =  00000000
SPI$L_S_ACS             =  0000000C
SPI$L_S_NCB             =  00000018
SPI$L_S_PNM             =  0000001C
SPI$L_S_RID             =  00000010
SPI$L_S_SFI             =  00000014
SPI$W_CHN               =  0000000A
SPI$W_RNA               =  00000008
TR$C_MAXHDR             =  0000001C
TR$C_NI_ALLEND1         =  040000AB
TR$C_NI_ALLEND2         =  00000000
TR$C_NI_ALLROU1         =  030000AB
TR$C_NI_ALLROU2         =  00000000
TR$C_NI_PREFIX          =  000400AA
TR$C_NI_PROT            =  00000360
TR$C_PRI_ECL            =  0000001F
TR$C_PRI_RTHRU          =  0000001F
_$ACTOFF                =  0000005C
_$CNF_DEF               =  00000224 R      06
_$MAND                  =  00000001
_$MANDOFF               =  00000084
_$MAXBOOL               =  00000000
_$SEM                   =  03FF4C58
_$START                 =  00001D88 R      05
_$UNIQ                  =  00000001
_$UNIQOFF               =  000000E8
```

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
_255DUA28:[SHRLIB]NMALIBRY.MLB;1	1
_255DUA28:[SHRLIB]EVCDEF.MLB;1	0
_255DUA28:[NETACP.OBJ]NETDRV.MLB;1	0
_255DUA28:[NETACP.OBJ]NET.MLB;1	17
_255DUA28:[SYS.OBJ]LIB.MLB;1	2
_255DUA28:[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$:NETDRV/LIB+SHRLIB$
```

NETDLE
LIS

NETCONFIG
LIS

NETCONECT
LIS

NETCTLALL
LIS