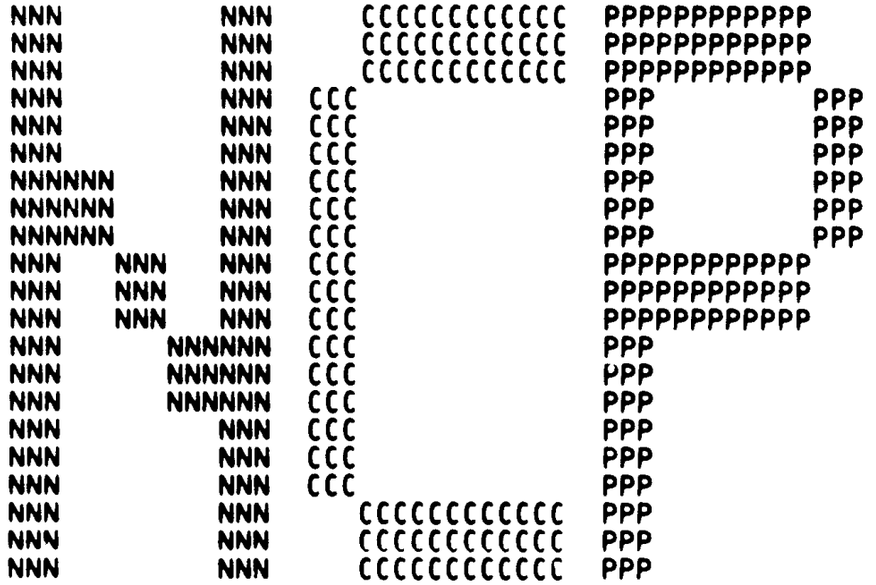
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCCCCCCCCCC PPPPPPPPPPPP
NNN NNN CCC PPP PPP
NNN NNN CCC PPP PPP
NNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNNNNN NNN CCC PPP PPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNN NNN CCC PPPPPPPPPPPP
NNN NNNNNN CCC PPP
NNN NNNNNN CCC PPP
NNN NNNNNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCC PPP
NNN NNN CCCCCCCCCCC PPP
NNN NNN CCCCCCCCCCC PPP
NNN NNN CCCCCCCCCCC PPP

FILEID**NCPSTALIN

```
NN      NN    CCCCCCCC  PPPPPPPP     SSSSSSSS  TTTTTTTTTT    AAAAAA    LL           IIIIII    NN      NN
NN      NN    CCCCCCCC  PPPPPPPP     SSSSSSSS  TTTTTTTTTT    AAAAAA    LL           IIIIII    NN      NN
NN      NN  CC          PP      PP  SS            TT       AA      AA  LL             II      NN      NN
NN      NN  CC          PP      PP  SS            TT       AA      AA  LL             II      NN      NN
NNNN    NN  CC          PP      PP  SS            TT       AA      AA  LL             II      NNNN    NN
NNNN    NN  CC          PP      PP  SS            TT       AA      AA  LL             II      NNNN    NN
NN  NN  NN  CC          PPPPPPPP      SSSSSS      TT       AA      AA  LL             II      NN  NN  NN
NN  NN  NN  CC          PPPPPPPP      SSSSSS      TT       AA      AA  LL             II      NN  NN  NN
NN    NNNN  CC          PP                  SS    TT       AAAAAAAAAA  LL             II      NN    NNNN
NN    NNNN  CC          PP                  SS    TT       AAAAAAAAAA  LL             II      NN    NNNN
NN      NN  CC          PP                  SS    TT       AA      AA  LL             II      NN      NN      ....
NN      NN  CC          PP                  SS    TT       AA      AA  LL             II      NN      NN      ....
NN      NN    CCCCCCCC  PP          SSSSSSSS      TT       AA      AA  LLLLLLLLLL   IIIIII    NN      NN      ....
NN      NN    CCCCCCCC  PP          SSSSSSSS      TT       AA      AA  LLLLLLLLLL   IIIIII    NN      NN      ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
;    1          0001  0 %TITLE  'Line Parameter Parse States and Data'
;    2          0002  0 MODULE NCPSTALIN (IDENT = 'V04-000', LIST(NOOBJECT)) =
;    3          0003  1 BEGIN
;    4          0004  1
;    5          0005  1 !
;    6          0006  1 !*****************************************************************************
;    7          0007  1 !*                                                                           *
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;   18          0018  1 !*                                                                           *
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;   22          0022  1 !*                                                                           *
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;   24          0024  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                   *
;   25          0025  1 !*                                                                           *
;   26          0026  1 !*                                                                           *
;   27          0027  1 !*****************************************************************************
;   28          0028  1 !
;   29          0029  1
;   30          0030  1 !++
;   31          0031  1 ! FACILITY:     Network Control Program (NCP)
;   32          0032  1 !
;   33          0033  1 ! ABSTRACT:
;   34          0034  1 !
;   35          0035  1 !       States and data for the parsing of NCP line parameters
;   36          0036  1 !
;   37          0037  1 ! ENVIRONMENT:  VAX/VMS Operating System
;   38          0038  1 !
;   39          0039  1 ! AUTHOR:       Darrell Duffy   , CREATION DATE: 10-September-79
;   40          0040  1 !
;   41          0041  1 ! MODIFIED BY:
;   42          0042  1 !
;   43          0043  1 !       V03-012 PRD0108         Paul R. DeStefano       23-Jul-1984
;   44          0044  1 !               Change LINE PROTOCOL NI to LINE PROTOCOL ETHERNET.
;   45          0045  1 !
;   46          0046  1 !       V03-011 RPG0011         Bob Grosso              19-Feb-1983
;   47          0047  1 !               Add LINE BUFFER SIZE, DU-2.
;   48          0048  1 !
;   49          0049  1 !       V03-010 RPG0010         Bob Grosso              16-Dec-1982
;   50          0050  1 !               Include ETHERNET PROTOCOL parsing.
;   51          0051  1 !
;   52          0052  1 !       V03-009 RPG0009         Bob Grosso              29-Nov-1982
;   53          0053  1 !               Remove references to nma$c_linpr_X25 and _LAP.
;   54          0054  1 !
;   55          0055  1 !       V03-008 RPG0008         Bob Grosso              22-Jul-1982
;   56          0056  1 !               Add LINE PROTOCOL NI add LINE PROTOCOL X25
;   57          0057  1 !
```

```
;    58          0058  1 !        V03-007 RPG0007         Bob Grosso              28-Jun-1982
;    59          0059  1 !                Change MAX BLOCK to MAX DATA.
;    60          0060  1 !
;    61          0061  1 !        V006    TMH0006         Tim Halvorsen   08-Mar-1982
;    62          0062  1 !                Only prompt for "essential" and "important" parameters.
;    63          0063  1 !
;    64          0064  1 !        V005    TMH0005         Tim Halvorsen   08-Jan-1982
;    65          0065  1 !                Remove TMH0003, thus restoring RETRANSMIT TIMER
;    66          0066  1 !                to a line parameter, which is what NM V3.0 finally
;    67          0067  1 !                came up with.
;    68          0068  1 !
;    69          0069  1 !        V004    TMH0004         Tim Halvorsen    2-Dec-1981
;    70          0070  1 !                Force user to spell out "LAPB" protocol keyword
;    71          0071  1 !                completely, since there is also a LAP protocol,
;    72          0072  1 !                not yet supported by DNA.
;    73          0073  1 !
;    74          0074  1 !        V003    TMH0003         Tim Halvorsen   05-Aug-1981
;    75          0075  1 !                Change RETRANSMIT TIMER to a circuit parameter,
;    76          0076  1 !                rather than a line parameter.
;    77          0077  1 !
;    78          0078  1 !        V002    TMH0002         Tim Halvorsen   07-Jul-1981
;    79          0079  1 !                Add line clock parameter.
;    80          0080  1 !
;    81          0081  1 !        V001    TMH0001         Tim Halvorsen   17-Jun-1981
;    82          0082  1 !                Add new V2.2 line parameters
;    83          0083  1 !--
```

```
;    85          0084  1 %SBTTL  'Definitions'
;    86          0085  1
;    87          0086  1 !
;    88          0087  1 ! INCLUDE FILES:
;    89          0088  1 !
;    90          0089  1
;    91          0090  1         LIBRARY 'LIB$:NMALIBRY';
;    92          0091  1         LIBRARY 'LIB$:NCPLIBRY';
;    93          0092  1         LIBRARY 'SYS$LIBRARY:TPAMAC';
;    94          0093  1
;    95          0094  1 !
;    96          0095  1 ! EXTERNAL REFERENCES:
;    97          0096  1 !
;    98          0097  1
;    99          0098  1         ACT_DFN                 ! Action routine externals
```

```
;  101          0099  1 %SBTTL  'Parameter blocks'
;  102          0100  1
;  103          0101  1 !
;  104          0102  1 ! BIND DATA:
;  105          0103  1 !
;  106          0104  1
;  107          0105  1 !
;  108          0106  1 !       Parameter Blocks
;  109          0107  1 !
;  110          0108  1
;  111        P 0109  1         BUILD_PCL
;  112        P 0110  1
;  113        P 0111  1         (LIN,
;  114        P 0112  1
;  115        P 0113  1         STA, NUMB,      PCLI_STA, ,
;  116        P 0114  1         SER, NUMB,      PCLI_SER, ,
;  117        P 0115  1         CTM, NUMW,      PCLI_LCT, ,
;  118        P 0116  1         COS, NUMB,      PCLI_COS, ,
;  119        P 0117  1         DEV, TKN,       PCLI_DEV, ,
;  120        P 0118  1         PRO, NUMB,      PCLI_PRO, ,
;  121        P 0119  1         DUP, NUMB,      PCLI_DUP, ,
;  122        P 0120  1         CON, NUMB,      PCLI_CON, ,
;  123        P 0121  1         CLO, NUMB,      PCLI_CLO, ,
;  124        P 0122  1         TYP, NUMB,      PCLI_LTY, ,
;  125        P 0123  1         STM, NUMW,      PCLI_STI, ,
;  126        P 0124  1         NTM, NUMW,      PCLI_NTI, ,
;  127        P 0125  1         HTI, NUMW,      PCLI_HTI, ,
;  128        P 0126  1         MBL, NUMW,      PCLI_MBL, ,
;  129        P 0127  1         MRT, NUMB,      PCLI_MRT, ,
;  130        P 0128  1         MWI, NUMB,      PCLI_MWI, ,
;  131        P 0129  1         TRB, NUMB,      PCLI_TRI, ,
;  132        P 0130  1         SLT, NUMW,      PCLI_SLT, ,
;  133        P 0131  1         DDT, NUMW,      PCLI_DDT, ,
;  134        P 0132  1         DLT, NUMW,      PCLI_DLT, ,
;  135        P 0133  1         SRT, NUMW,      PCLI_SRT, ,
;  136        P 0134  1         BFN, NUMW,      PCLI_BFN, ,
;  137        P 0135  1
;  138        P 0136  1         MCD, TKN,       PCLI_MCD, ,
;  139        P 0137  1         XMD, NUMB,      PCLI_XMD, ,
;  140        P 0138  1         EPT, NUMW,      PCLI_EPT, ,
;  141        P 0139  1         BFS, NUMW,      PCLI_BSZ, ,
;  142        P 0140  1
;  143        P 0141  1         . END. . .
;  144        P 0142  1
;  145          0143  1         )
;  146          0144  1
;  147        P 0145  1         BUILD_PBK
;  148        P 0146  1
;  149        P 0147  1         (LIN,
;  150        P 0148  1
;  151        P 0149  1         STAON,  LITB, NMA$C_STATE_ON, LIN_STA,
;  152        P 0150  1         STAOFF, LITB, NMA$C_STATE_OFF, LIN_STA,
;  153        P 0151  1         STASVC, LITB, NMA$C_STATE_SER, LIN_STA,
;  154        P 0152  1         SEN, LITB, NMA$C_LINSV_ENA, LIN_SER,
;  155        P 0153  1         SDS, LITB, NMA$C_LINSV_DIS, LIN_SER,
;  156        P 0154  1         CTM, NUMW, , ,
;  157        P 0155  1         COS, NUMB, , ,
```

```
;  158          P 0156  1          DEV, TKN, , ,
;  159          P 0157  1          PROPOI, LITB, NMA$C_LINPR_POI, LIN_PRO,
;  160          P 0158  1          PROCON, LITB, NMA$C_LINPR_CON, LIN_PRO,
;  161          P 0159  1          PROTRI, LITB, NMA$C_LINPR_TRI, LIN_PRO,
;  162          P 0160  1          PRODMC, LITB, NMA$C_LINPR_DMC, LIN_PRO,
;  163          P 0161  1          PROLAP, LITB, NMA$C_LINPR_LAPB, LIN_PRO,
;  164          P 0162  1          PRONI, LITB, NMA$C_LINPR_NI, LIN_PRO,
;  165          P 0163  1          DPF, LITB, NMA$C_DPX_FUL, LIN_DUP,
;  166          P 0164  1          DPH, LITB, NMA$C_DPX_HAL, LIN_DUP,
;  167          P 0165  1          CLB, LITB, NMA$C_LINCN_LOO, LIN_CON,
;  168          P 0166  1          CNM, LITB, NMA$C_LINCN_NOR, LIN_CON,
;  169          P 0167  1          CLE, LITB, NMA$C_LINCL_EXT, LIN_CLO,
;  170          P 0168  1          CLI, LITB, NMA$C_LINCL_INT, LIN_CLO,
;  171          P 0169  1          TYPPNT, LITB, NMA$C_LINTY_POI, LIN_TYP,
;  172          P 0170  1          TYPCTL, LITB, NMA$C_LINTY_CON, LIN_TYP,
;  173          P 0171  1          TYPTRB, LITB, NMA$C_LINTY_TRI, LIN_TYP,
;  174          P 0172  1          TYPDMC, LITB, NMA$C_LINTY_DMC, LIN_TYP,
;  175          P 0173  1          STM, NUMW, , ,
;  176          P 0174  1          NTM, NUMW, , ,
;  177          P 0175  1          HTI, NUMW, , ,
;  178          P 0176  1          MBL, NUMW, , ,
;  179          P 0177  1          MRT, NUMB, , ,
;  180          P 0178  1          MWI, NUMB, , ,
;  181          P 0179  1          TRB, NUMB, , ,
;  182          P 0180  1          SLT, NUMW, , ,
;  183          P 0181  1          DDT, NUMW, , ,
;  184          P 0182  1          DLT, NUMW, , ,
;  185          P 0183  1          SRT, NUMW, , ,
;  186          P 0184  1
;  187          P 0185  1          BFN, NUMW, , ,
;  188          P 0186  1
;  189          P 0187  1          MCD, TKN, , ,
;  190          P 0188  1          MDDTE, LITB, NMA$C_X25MD_DTE, LIN_XMD,
;  191          P 0189  1          MDDCE, LITB, NMA$C_X25MD_DCE, LIN_XMD,
;  192          P 0190  1          MDDTL, LITB, NMA$C_X25MD_DTL, LIN_XMD,
;  193          P 0191  1          MDDCL, LITB, NMA$C_X25MD_DCL, LIN_XMD,
;  194          P 0192  1
;  195          P 0193  1          EPT, NUMW, , ,
;  196          P 0194  1          BFS, NUMW, , ,
;  197          P 0195  1
;  198            0196  1          )
;  199            0197  1
;  200          P 0198  1          BUILD_SDB
;  201          P 0199  1
;  202            0200  1          (LIN, NMA$C_ENT_LIN, VRB_ENT, LIN)
```

```
;  204          0201  1 %SBTTL  'Prompt strings'
;  205          0202  1
;  206          0203  1 !
;  207          0204  1 !       Build prompt strings
;  208          0205  1 !
;  209          0206  1
;  210          0207  1 BIND
;  211          0208  1
;  212        P 0209  1         PROMPT_STRINGS
;  213        P 0210  1         (LIN,
;  214        P 0211  1
;  215        P 0212  1         BFN, 'Number of receive buffers       (1-1024): ',
;  216        P 0213  1 !       CLO, 'Clock mode          (EXTERNAL, INTERNAL): ',
;  217        P 0214  1 !       CON, 'Controller mode       (NORMAL, LOOPBACK): ',
;  218        P 0215  1 !       CTM, 'Counter timer          (1-65535 seconds): ',
;  219        P 0216  1 !       DDT, 'Dead timer        (1-65535 milliseconds): ',
;  220        P 0217  1 !       DLT, 'Delay timer       (1-65535 milliseconds): ',
;  221        P 0218  1 !!      DEV, 'Device                        (dev-c-u.t): ',
;  222        P 0219  1 !       DPX, 'Duplex mode                 (FULL, HALF): ',
;  223        P 0220  1 !       HTI, 'Holdback timer    (1-65535 milliseconds): ',
;  224        P 0221  1 !       MBL, 'Maximum block                (1-65535): ',
;  225        P 0222  1 !       MRT, 'Maximum retransmits            (1-255): ',
;  226        P 0223  1 !       MWI, 'Maximum window           (1-255 blocks): ',
;  227        P 0224  1         PRO, 'Protocol (DDCMP CONTROL/DMC/POINT/TRIBUTARY, LAPB, ETHERNET): ',
;  228        P 0225  1 !       NTM, 'Retransmit timer  (1-65535 milliseconds): ',
;  229        P 0226  1 !       SLT, 'Scheduling timer (50-65535 milliseconds): ',
;  230        P 0227  1 !       SVM, 'Service mode          (ENABLED, DISABLED): ',
;  231        P 0228  1 !       STM, 'Service timer     (1-65535 milliseconds): ',
;  232        P 0229  1         STA, 'Line state              (ON, OFF, SERVICE): ',
;  233        P 0230  1 !       SRT, 'Stream timer      (0-65535 milliseconds): ',
;  234        P 0231  1
;  235          0232  2         )
;  236          0233  1         ;
```

```
;  238          0234  1 %SBTTL  'State Table for Line Parameters'
;  239          0235  1
;  240          0236  1 $INIT_STATE (NCP$G_STTBL_LIN, NCP$G_KYTBL_LIN);
;  241          0237  1
;  242          0238  1 !
;  243          0239  1 !       SET/DEFINE LINE Parameter States
;  244          0240  1 !
;  245          0241  1
;  246        P 0242  1 $STATE  (ST_LIN,
;  247        P 0243  1          ( (SE_ALL), ST_LIN_DOIT),       ! All parameter
;  248        P 0244  1          (TPA$_EOS, , ACT$PMT_ON),               ! Prompt if no keywords
;  249        P 0245  1          (TPA$_LAMBDA, ST_LIN_PRC, ACT$PMT_OFF)  ! Process keywords
;  250          0246  1          );
;  251          0247  1
;  252        P 0248  1          PROMPT_STATES                   ! Prompt for these parameters
;  253        P 0249  1          (LIN,
;  254        P 0250  1
;  255        P 0251  1          BFN, PRO, STA
;  256        P 0252  1
;  257          0253  1          )
;  258          0254  1
;  259        P 0255  1 $STATE  (ST_LIN_DOIT,
;  260        P 0256  1          (TPA$_EOS, TPA$_EXIT, ACT$VRB_UTILITY, , , SDB$G_LIN),
;  261          0257  1          );
```

```
;  263          0258  1 %SBTTL  'Dispatch States'
;  264          0259  1
;  265          0260  1 !
;  266          0261  1 !       Dispatch States
;  267          0262  1 !
;  268          0263  1
;  269        P 0264  1 $STATE  (ST_LIN_PRC,
;  270        P 0265  1
;  271        P 0266  1         DISPATCH_STATES
;  272        P 0267  1         (LIN,
;  273        P 0268  1
;  274        P 0269  1         BFS, 'BUFFER',
;  275        P 0270  1         CLO, 'CLOCK',
;  276        P 0271  1         CON, 'CONTROLLER',
;  277        P 0272  1         COS, 'COST',
;  278        P 0273  1         CTM, 'COUNTER',
;  279        P 0274  1         DDT, 'DEAD',
;  280        P 0275  1         DLT, 'DELAY',
;  281        P 0276  1         DEV, 'DEVICE',
;  282        P 0277  1         DPX, 'DUPLEX',
;  283        P 0278  1         EPT, 'ETHERNET',
;  284        P 0279  1         HTI, 'HOLDBACK',
;  285        P 0280  1         MAX, 'MAXIMUM',
;  286        P 0281  1         MCD, 'MICROCODE',
;  287        P 0282  1         XMD, 'MODE',
;  288        P 0283  1         NTM, 'NORMAL',          ! [V2 only - same as RETRANSMIT TIMER]
;  289        P 0284  1         PRO, 'PROTOCOL',
;  290        P 0285  1         BFN, 'RECEIVE',
;  291        P 0286  1         NTM, 'RETRANSMIT',
;  292        P 0287  1         SLT, 'SCHEDULING',
;  293        P 0288  1         SVC, 'SERVICE',
;  294        P 0289  1         STA, 'STATE',
;  295        P 0290  1         SRT, 'STREAM',
;  296        P 0291  1         TRB, 'TRIBUTARY',
;  297        P 0292  1         TYP, 'TYPE',
;  298        P 0293  1
;  299        P 0294  1         )
;  300        P 0295  1         ,(TPA$_EOS, ST_LIN_DOIT)
;  301          0296  1         );
```

```
;  303          0297  1
;  304          0298  1 %SBTTL  'Process States'
;  305          0299  1
;  306          0300  1 !
;  307          0301  1 !       Process states
;  308          0302  1 !
;  309          0303  1
;  310        P 0304  1         PROCESS_STATES
;  311        P 0305  1         (LIN,
;  312        P 0306  1
;  313        P 0307  1         BFS, 'SIZE',
;  314        P 0308  1         CLO, ,
;  315        P 0309  1         CON, ,
;  316        P 0310  1         COS, ,
;  317        P 0311  1         CTM, 'TIMER',
;  318        P 0312  1         DDT, 'TIMER',
;  319        P 0313  1         DLT, 'TIMER',
;  320        P 0314  1         DEV, ,
;  321        P 0315  1         DPX, ,
;  322        P 0316  1         HTI, 'TIMER',
;  323        P 0317  1         MWI, ,                  ! From MAX below
;  324        P 0318  1         MRT, ,                  ! From MAX below
;  325        P 0319  1         MBL, ,                  ! From MAX below
;  326        P 0320  1         NTM, 'TIMER',
;  327        P 0321  1         PRO, ,
;  328        P 0322  1         BFN, 'BUFFERS',
;  329        P 0323  1         SLT, 'TIMER',
;  330        P 0324  1         STM, ,                  ! From SVC below
;  331        P 0325  1         SVM, ,                  ! From SVC below
;  332        P 0326  1         STA, ,
;  333        P 0327  1         SRT, 'TIMER',
;  334        P 0328  1         TRB, ,
;  335        P 0329  1         TYP, ,
;  336        P 0330  1
;  337        P 0331  1         MCD, 'DUMP',
;  338        P 0332  1         XMD, ,
;  339        P 0333  1         EPT, 'PROTOCOL',
;  340          0334  1         )
```

```
;  342          0335  1 %SBTTL  'Subexpression States'
;  343          0336  1
;  344          0337  1 !
;  345          0338  1 !       Sub_expressions
;  346          0339  1 !
;  347          0340  1
;  348        P 0341  1         SUB_EXPRESSIONS
;  349        P 0342  1         (LIN,
;  350        P 0343  1
;  351        P 0344  1         BFN, TPA$_DECIMAL,
;  352        P 0345  1         COS, TPA$_DECIMAL,
;  353        P 0346  1         CTM, TPA$_DECIMAL,
;  354        P 0347  1         NTM, TPA$_DECIMAL,
;  355        P 0348  1         STM, TPA$_DECIMAL,
;  356        P 0349  1         TRH, TPA$_DECIMAL,
;  357        P 0350  1         HII, TPA$_DECIMAL,
;  358        P 0351  1         SLT, TPA$_DECIMAL,
;  359        P 0352  1         DDT, TPA$_DECIMAL,
;  360        P 0353  1         DLT, TPA$_DECIMAL,
;  361        P 0354  1         SRT, TPA$_DECIMAL,
;  362        P 0355  1         MBL, TPA$_DECIMAL,
;  363        P 0356  1         MRT, TPA$_DECIMAL,
;  364        P 0357  1         MWI, TPA$_DECIMAL,
;  365        P 0358  1         DEV, (SE_LINE_ID),
;  366        P 0359  1
;  367        P 0360  1         MCD, (SE_FILE_ID),
;  368        P 0361  1         EPT, TPA$_HEX,
;  369        P 0362  1         BFS, TPA$_DECIMAL,
;  370          0363  1         )
;  371          0364  1
```

```
;  373          0365  1 !
;  374          0366  1 !       Dispatch on MAXIMUM keyword
;  375          0367  1 !
;  376          0368  1
;  377        P 0369  1 $STATE  (ST_LIN_PRC_MAX,
;  378        P 0370  1
;  379        P 0371  1          DISPATCH_STATES
;  380        P 0372  1          (LIN,
;  381        P 0373  1
;  382        P 0374  1          MBL, 'BLOCK',
;  383        P 0375  1          MRT, 'RETRANSMITS',
;  384        P 0376  1          MWI, 'WINDOW',
;  385        P 0377  1
;  386        P 0378  1          )
;  387          0379  1          );
;  388          0380  1
;  389          0381  1 !
;  390          0382  1 !       Dispatch on SERVICE keyword
;  391          0383  1 !
;  392          0384  1
;  393        P 0385  1 $STATE  (ST_LIN_PRC_SVC,
;  394        P 0386  1          ( (ST_LIN_SVM), ST_LIN_PRC),
;  395        P 0387  1          ('TIMER')
;  396          0388  1          );
;  397          0389  1
;  398        P 0390  1 $STATE  (,
;  399        P 0391  1          ( (ST_LIN_STM), ST_LIN_PRC),
;  400          0392  1          );
;  401          0393  1
;  402        P 0394  1 $STATE  (ST_LIN_SVM,
;  403        P 0395  1
;  404        P 0396  1          KEYWORD_STATE
;  405        P 0397  1          (LIN,
;  406        P 0398  1
;  407        P 0399  1          SFN, 'ENABLED',
;  408        P 0400  1          SDS, 'DISABLED',
;  409        P 0401  1
;  410        P 0402  1          )
;  411          0403  1          );
;  412          0404  1
;  413          0405  1 !
;  414          0406  1 !       Protocol
;  415          0407  1 !
;  416          0408  1
;  417        P 0409  1 $STATE  (ST_LIN_PRO,
;  418        P 0410  1
;  419        P 0411  1          ('LAP', TPA$_FAIL),          ! Force LAPB to be spelled out to
;  420        P 0412  1                                       ! allow for LAP protocol in the future
;  421        P 0413  1
;  422        P 0414  1          KEYWORD_STATE
;  423        P 0415  1          (LIN,
;  424        P 0416  1
;  425        P 0417  1          PROLAP, 'LAPB',
;  426        P 0418  1          PRONI, 'ETHERNET',
;  427        P 0419  1
;  428        P 0420  1          ),
;  429        P 0421  1
```

```
;  430        P 0422  1          DISPATCH_STATES
;  431        P 0423  1          (!IN,
;  432        P 0424  1
;  433        P 0425  1          DDCMP, 'DDCMP',
;  434        P 0426  1
;  435        P 0427  1          )
;  436          0428  1          );
;  437          0429  1
;  438        P 0430  1 $STATE   (ST_LIN_PRC_DDCMP,
;  439        P 0431  1
;  440        P 0432  1          KEYWORD_STATE
;  441        P 0433  1          (LIN,
;  442        P 0434  1
;  443        P 0435  1          PROPOI, 'POINT',
;  444        P 0436  1          PROCON, 'CONTROL',
;  445        P 0437  1          PRODMC, 'DMC',
;  446        P 0438  1          PROTRI, 'TRIBUTARY',
;  447        P 0439  1
;  448        P 0440  1          )
;  449          0441  1          );
;  450          0442  1
;  451          0443  1 !
;  452          0444  1 !        Duplex mode
;  453          0445  1 !
;  454          0446  1
;  455        P 0447  1 $STATE   (ST_LIN_DPX,
;  456        P 0448  1
;  457        P 0449  1          KEYWORD_STATE
;  458        P 0450  1          (LIN,
;  459        P 0451  1
;  460        P 0452  1          DPF, 'FULL',
;  461        P 0453  1          DPH, 'HALF',
;  462        P 0454  1
;  463        P 0455  1          )
;  464          0456  1          );
;  465          0457  1
;  466          0458  1 !
;  467          0459  1 !        Line state
;  468          0460  1 !
;  469          0461  1
;  470        P 0462  1 $STATE   (ST_LIN_STA,
;  471        P 0463  1
;  472        P 0464  1          KEYWORD_STATE
;  473        P 0465  1          (LIN,
;  474        P 0466  1
;  475        P 0467  1          STAOFF, 'OFF',
;  476        P 0468  1          STAON, 'ON',
;  477        P 0469  1          STASVC, 'SERVICE',
;  478        P 0470  1
;  479        P 0471  1          )
;  480          0472  1          );
;  481          0473  1
;  482          0474  1
;  483          0475  1 !
;  484          0476  1 !        Line type
;  485          0477  1 !
;  486          0478  1
```

```
;  487        P 0479  1 $STATE  (ST_LIN_TYP,
;  488        P 0480  1
;  489        P 0481  1          KEYWORD_STATE
;  490        P 0482  1          (LIN,
;  491        P 0483  1
;  492        P 0484  1          TYPCTL, 'CONTROL',
;  493        P 0485  1          TYPPNT, 'POINT',
;  494        P 0486  1          TYPTRB, 'TRIBUTARY',
;  495        P 0487  1          TYPDMC, 'DMC',
;  496        P 0488  1
;  497        P 0489  1          )
;  498          0490  1          );
;  499          0491  1
;  500          0492  1 !
;  501          0493  1 !        Line controller mode
;  502          0494  1 !
;  503          0495  1
;  504        P 0496  1 $STATE  (ST_LIN_CON,
;  505        P 0497  1
;  506        P 0498  1          KEYWORD_STATE
;  507        P 0499  1          (LIN,
;  508        P 0500  1
;  509        P 0501  1          CLB, 'LOOPBACK',
;  510        P 0502  1          CNM, 'NORMAL',
;  511        P 0503  1
;  512        P 0504  1          )
;  513          0505  1          );
;  514          0506  1
;  515          0507  1 !
;  516          0508  1 !        Line clock mode
;  517          0509  1 !
;  518          0510  1
;  519        P 0511  1 $STATE  (ST_LIN_CLO,
;  520        P 0512  1
;  521        P 0513  1          KEYWORD_STATE
;  522        P 0514  1          (LIN,
;  523        P 0515  1
;  524        P 0516  1          CLE, 'EXTERNAL',
;  525        P 0517  1          CLI, 'INTERNAL',
;  526        P 0518  1
;  527        P 0519  1          )
;  528          0520  1          );
;  529          0521  1
;  530          0522  1 !
;  531          0523  1 !        X25 line mode
;  532          0524  1 !
;  533          0525  1
;  534        P 0526  1 $STATE  (ST_LIN_XMD,
;  535        P 0527  1
;  536        P 0528  1          KEYWORD_STATE
;  537        P 0529  1          (LIN,
;  538        P 0530  1
;  539        P 0531  1          MDDTE, 'DTE',
;  540        P 0532  1          MDDCE, 'DCE',
;  541        P 0533  1          MDDTL, 'DTE_LOOP',
;  542        P 0534  1          MDDCL, 'DCE_LOOP',
;  543        P 0535  1
```

```
;  544          P 0536  1          )
;  545            0537  1          );
```

```
;  547          0538  1 %SBTTL  'Define Subexpressions'
;  548          0539  1
;  549          0540  1 !
;  550          0541  1 !       Define Subexpressions from Library
;  551          0542  1 !
;  552          0543  1
;  553          0544  1         SEM_ALL                 ! All parameter
;  554          0545  1         SEM_FILE_ID             ! File spec
;  555          0546  1         SEM_LINE_ID             ! Device name string
```

```
;  557          0547  1 %SBTTL  'Object Listing of Parse Table'
;  558          0548  1
;  559          0549  1 END                                   !End of module
;  560          0550  0 ELUDOM
```

NCPSTACNO
LIS

NCPSTALIN
LIS

NCPSTACIR
LIS

NCPSTADUM
LIS

NCPSTADIS
LIS

NCPSTACON
LIS

NCPSTACLR
LIS

NCPSTAMAC
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NCPSTAMSE
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NCPSTAMTR
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