```
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMM           MMM   LLL
NNN           NNN   MMMMMM    MMMMMM    LLL
NNN           NNN   MMMMMM    MMMMMM    LLL
NNN           NNN   MMMMMM    MMMMMM    LLL
NNNNNN        NNN   MMM   MMM   MMM     LLL
NNNNNN        NNN   MMM   MMM   MMM     LLL
NNNNNN        NNN   MMM   MMM   MMM     LLL
NNN   NNN     NNN   MMM         MMM     LLL
NNN   NNN     NNN   MMM         MMM     LLL
NNN   NNN     NNN   MMM         MMM     LLL
NNN       NNNNNN   MMM         MMM     LLL
NNN       NNNNNN   MMM         MMM     LLL
NNN       NNNNNN   MMM         MMM     LLL
NNN           NNN  MMM         MMM     LLL
NNN           NNN  MMM         MMM     LLL
NNN           NNN  MMM         MMM     LLL
NNN           NNN  MMM         MMM     LLLLLLLLLLLLLLL
NNN           NNN  MMM         MMM     LLLLLLLLLLLLLLL
NNN           NNN  MMM         MMM     LLLLLLLLLLLLLLL
```

```
NN      NN  MM      MM  LL          VV      VV    222222      SSSSSSSS  TTTTTTTTTT    AAAAAA
NN      NN  MM      MM  LL          VV      VV   222222       SSSSSSSS  TTTTTTTTTT    AAAAAA
NN      NN  MMMM  MMMM  LL          VV      VV  22      22  SS            TT        AA      AA
NN      NN  MMMM  MMMM  LL          VV      VV  22      22  SS            TT        AA      AA
NNNN    NN  MM  MM  MM  LL          VV      VV          22  SS            TT        AA      AA
NNNN    NN  MM  MM  MM  LL          VV      VV          22  SS            TT        AA      AA
NN  NN  NN  MM      MM  LL          VV      VV        22      SSSSSS      TT        AA      AA
NN  NN  NN  MM      MM  LL          VV      VV        22      SSSSSS      TT        AA      AA
NN    NNNN  MM      MM  LL          VV      VV      22                SS  TT        AAAAAAAAAA
NN    NNNN  MM      MM  LL          VV      VV      22                SS  TT        AAAAAAAAAA
NN      NN  MM      MM  LL            VV  VV      22                SS  TT        AA      AA      ....
NN      NN  MM      MM  LL            VV  VV      22                SS  TT        AA      AA      ....
NN      NN  MM      MM  LLLLLLLLLL      VV      2222222222  SSSSSSSS  TT        AA      AA      ....
NN      NN  MM      MM  LLLLLLLLLL      VV      2222222222  SSSSSSSS  TT        AA      AA      ....

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
```

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```
0000     1          .TITLE  NML$V2STA       SET PARAMETER STATE TABLES FOR LINES
0000     2          .IDENT  'V04-000'
0000     3
0000     4  ;
0000     5  ;*****************************************************************************
0000     6  ;*                                                                           *
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0000    24  ;*                                                                           *
0000    25  ;*                                                                           *
0000    26  ;*****************************************************************************
0000    27  ;
0000    28
0000    29  ;++
0000    30  ; FACILITY:     DECnet-VAX Network Management Listener
0000    31  ;
0000    32  ; ABSTRACT:
0000    33  ;
0000    34  ;    This module contains the NPARSE state tables for processing the
0000    35  ;    SET and DEFINE commands for V2 NCPs.
0000    36  ;
0000    37  ; ENVIRONMENT:  VAX/VMS Operating System
0000    38  ;
0000    39  ; AUTHOR:  Kathy Perko
0000    40  ;
0000    41  ; CREATION DATE: 13-November-1981
0000    42  ;
0000    43  ; MODIFIED BY:
0000    44  ;
0000    45  ;       V03-001 MKP0001         Kathy Perko             7-Jan-1982
0000    46  ;               Hopefully for the last time, change RTT (retransmit
0000    47  ;               timer) from a circuit parameter to a line parameter.
0000    48  ;
0000    49  ;--
```

```
0000     51          .SBTTL  Declarations
0000     52 ;
0000     53 ; INCLUDE FILES:
0000     54 ;
0000     55
0000     56 $NMADEF                          ; Network Management Layer definitions
0000     57 $NMLDEF                          ; NML definitions
0000     58
0000     59 ;
0000     60 ; OWN STORAGE:
0000     61 ;
```

```
                                                                    I 2
0000     63          .SBTTL  NML$NPA_SETV2LINE       Set V2 line parameter state table
0000     64
0000     65 ;++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
0000     66 ;    line
0000     67 ;----------------------------------------------------------------------------
0000     68
0000     69 IMSG$   NML$NPA_SETV2LINE
0000     70
0000     71 FIELD$
0000     72 $EOM    ,NML_FUN_ERR                         ; No SET ALL for V2
0000     73 $NEXT
0008     74
0008     75 FIELD$  NML_SET_START
0000     76 $EOM    ,NPA$_EXIT
0000     77                                              ; State
0000     78 $SBEXP  NML_SET_STA,NML_SET_START
0000     79 $NEXT
001C     80
001C     81 FIELD$                                       ; Service
0000     82 $SBEXP  NML_SET_SER,NML_SET_START,NML$CHK_V2_CIRC
0000     83 $NEXT
002C     84
002C     85 FIELD$                                       ; Counter timer
0000     86 $SBEXP  NML_SET_LCT,NML_SET_START,NML$CHK_V2_CIRC
0000     87 $NEXT
003C     88
003C     89 FIELD$                                       ; Cost
0000     90 $SBEXP  NML_SET_COS,NML_SET_START,NML$CHK_V2_CIRC
0000     91 $NEXT
004C     92
004C     93 FIELD$                                       ; Controller
0000     94 $SBEXP  NML_SET_CON,NML_SET_START,NML$CHK_V2_LINE
0000     95 $NEXT
005C     96
005C     97 FIELD$                                       ; Duplex
0000     98 $SBEXP  NML_SET_DUP,NML_SET_START,NML$CHK_V2_LINE
0000     99 $NEXT
006C    100
006C    101 FIELD$                                       ; Line type (V3 Protocol).
0000    102 $SBEXP  NML_SET_LTY,NML_SET_START,NML$CHK_V2_LINE
0000    103 $NEXT
007C    104
007C    105 FIELD$                                       ; Service timer
0000    106 $SBEXP  NML_SET_STI,NML_SET_START,NML$CHK_V2_LINE
0000    107 $NEXT
008C    108
008C    109 FIELD$                                       ; Normal timer (V3 Retransmit timer)
0000    110 $SBEXP  NML_SET_NTI,NML_SET_START,NML$CHK_V2_CIRC
0000    111 $NEXT
009C    112
009C    113 FIELD$                                       ; Tributary address
0000    114 $SBEXP  NML_SET_TRI,NML_SET_START,NML$CHK_V2_CIRC
0000    115 $NEXT
00AC    116
00AC    117 FIELD$                                       ; Receive buffer size
0000    118 $SBEXP  NML_SET_BFN,NML_SET_START,NML$CHK_V2_LINE
0000    119 $NEXT
```

```
                     00BC   120
                     00BC   121 FIELD$
                     0000   122 $MATCH  2,NML_PTY_ERR                    ; Unrecognized parameter type
                     0000   123 $NULL   ,NML_FOR_ERR                     ; Format error
                     0000   124
                     0000   125 FIELD$  NML_SET_STA                      ; State parameter
                     0000   126 $WORD   NMA$C_PCCI_STA
                     0000   127 FIELD$
                     0000   128 $EOM    ,NML_FOR_ERR                     ; Format error
                     0000   129 $LOOK   NMA$C_STATE_ON,NML_SKIP_BYTE     ; On
                     0000   130 $LOOK   NMA$C_STATE_OFF,NML_SKIP_BYTE    ; Off
                     0000   131 $LOOK   NMA$C_STATE_SER,NML_SKIP_BYTE    ; Service
                     0000   132 $NULL   ,NML_PVA_ERR                     ; Parameter value error
                     0000   133
                     0000   134 FIELD$  NML_SET_SER                      ; Service parameter
                     0000   135 $WORD   NMA$C_PCCI_SER,,,CPT$GK_PCCI_SER,NML$GL_PRMCODE
                     0000   136 FIELD$
                     0000   137 $EOM    ,NML_FOR_ERR                     ; Format error
                     0000   138 $LOOK   NMA$C_LINSV_ENA,NML_BYTE_SUB     ; Enabled
                     0000   139 $LOOK   NMA$C_LINSV_DIS,NML_BYTE_SUB     ; Disabled
                     0000   140 $NULL   ,NML_PVA_ERR                     ; Parameter value error
                     0000   141
                     0000   142 FIELD$  NML_SET_LCT                      ; Counter timer
                     0000   143 $WORD   NMA$C_PCCI_LCT,NML_WORD_SUB,,CPT$GK_PCCI_LCT,NML$GL_PRMCODE
                     0000   144
                     0000   145 FIELD$  NML_SET_COS                      ; Cost
                     0000   146 $WORD   NMA$C_PCCI_COS,NML_BYTE_SUB,,CPT$GK_PCCI_COS,NML$GL_PRMCODE
                     0000   147
                     0000   148 FIELD$  NML_SET_CON                      ; Controller mode parameter
                     0000   149 $WORD   NMA$C_PCLI_CON,,,CPT$GK_PCLI_CON,NML$GL_PRMCODE
                     0000   150 FIELD$
                     0000   151 $EOM    ,NML_FOR_ERR                     ; Format error
                     0000   152 $LOOK   NMA$C_LINCN_NOR,NML_BYTE_SUB     ; Normal
                     0000   153 $LOOK   NMA$C_LINCN_LOO,NML_BYTE_SUB     ; Loopback
                     0000   154 $NULL   ,NML_PVA_ERR                     ; Parameter value error
                     0000   155
                     0000   156 FIELD$  NML_SET_DUP                      ; Duplex parameter
                     0000   157 $WORD   NMA$C_PCLI_DUP,,,CPT$GK_PCLI_DUP,NML$GL_PRMCODE
                     0000   158 FIELD$
                     0000   159 $EOM    ,NML_FOR_ERR                     ; Format error
                     0000   160 $LOOK   NMA$C_DPX_FUL,NML_BYTE_SUB       ; Full duplex
                     0000   161 $LOOK   NMA$C_DPX_HAL,NML_BYTE_SUB       ; Half duplex
                     0000   162 $NULL   ,NML_PVA_ERR                     ; Parameter value error
                     0000   163
                     0000   164 FIELD$  NML_SET_LTY                      ; Line Type (V3 Protocol parameter)
                     0000   165 $WORD   NMA$C_PCLI_PRO,,,CPT$GK_PCLI_PRO,NML$GL_PRMCODE
                     0000   166 FIELD$
                     0000   167 $EOM    ,NML_FOR_ERR                     ; Format error
                     0000   168 $LOOK   NMA$C_LINPR_POI,NML_BYTE_SUB     ; DDCMP Point
                     0000   169 $LOOK   NMA$C_LINPR_CON,NML_BYTE_SUB     ; DDCMP Controller
                     0000   170 $LOOK   NMA$C_LINPR_TRI,NML_BYTE_SUB     ; DDCMP Tributary
                     0000   171 $NULL   ,NML_PVA_ERR                     ; Parameter error
                     0000   172
                     0000   173 FIELD$  NML_SET_STI                      ; Service timer parameter
                     0000   174 $WORD   NMA$C_PCLI_STI,NML_WORD_SUB,,CPT$GK_PCLI_STI,NML$GL_PRMCODE
                     0000   175
                     0000   176 FIELD$  NML_SET_NTI                      ; Normal retransmit timer parameter
```

```
0000   177 $WORD   NMA$C_PCLI_RTT,NML_WORD_SUB,,CPT$GK_PCLI_RTT,NML$GL_PRMCODE
0000   178
0000   179 FIELD$  NML_SET_TRI                              ; Tributary address
0000   180 $WORD   NMA$C_PCCI_TRI,NML_BYTE_SUB,,CPT$GK_PCCI_TRI,NML$GL_PRMCODE
0000   181
0000   182 ;
0000   183 ; Since the V2 receive buffer parameter = 2700, and for V3 it got
0000   184 ; changed to 1105, kludge the parameter id in.
0000   185 ;
0000   186 FIELD$  NML_SET_BFN                              ; Receive buffer size
0000   187 $WORD   NMA$C_PCLI_BF$,NML_WORD_SUB,,CPT$GK_PCLI_BF$,NML$GL_PRMCODE
0000   188
0000   189 FIELD$                                          ; End of line parameter states
```

```
                                                                L 2
0000   191          .SBTTL  NML$NPA_CLEARV2LINE     Clear V2 line parameter state table
0000   192
0000   193 ;+
0000   194 ;    line
0000   195 ;-
0000   196
0000   197 IMSG$   NML$NPA_CLEARV2LINE
0000   198
0000   199 FIELD$
0000   200 $EOM     ,NML_FUN_ERR                          ; No CLEAR ALL for V2
0000   201 $NEXT
0278   202
0278   203 FIELD$  NML_CLEAR_START
0000   204 $EOM     ,NPA$_EXIT                            ; Done
0000   205 $NEXT
0280   206
0280   207                                                ; State
0280   208 $SBEXP  NML_CLEAR_STA,NML_CLEAR_START
0000   209 $NEXT
028C   210
028C   211 FIELD$                                        ; Service
0000   212 $SBEXP  NML_CLEAR_SER,NML_CLEAR_START,NML$CHK_V2_CIRC
0000   213 $NEXT
029C   214
029C   215 FIELD$                                        ; Counter timer
0000   216 $SBEXP  NML_CLEAR_LCT,NML_CLEAR_START,NML$CHK_V2_CIRC
0000   217 $NEXT
02AC   218
02AC   219 FIELD$                                        ; Cost
0000   220 $SBEXP  NML_CLEAR_COS,NML_CLEAR_START,NML$CHK_V2_CIRC
0000   221 $NEXT
02BC   222
02BC   223 FIELD$                                        ; Controller
0000   224 $SBEXP  NML_CLEAR_CON,NML_CLEAR_START,NML$CHK_V2_LINE
0000   225 $NEXT
02CC   226
02CC   227 FIELD$                                        ; Duplex
0000   228 $SBEXP  NML_CLEAR_DUP,NML_CLEAR_START,NML$CHK_V2_LINE
0000   229 $NEXT
02DC   230
02DC   231 FIELD$                                        ; Line type (V3 Protocol).
0000   232 $SBEXP  NML_CLEAR_LTY,NML_CLEAR_START,NML$CHK_V2_LINE
0000   233 $NEXT
02EC   234
02EC   235 FIELD$                                        ; Service timer
0000   236 $SBEXP  NML_CLEAR_STI,NML_CLEAR_START,NML$CHK_V2_LINE
0000   237 $NEXT
02FC   238
02FC   239 FIELD$                                        ; Normal timer (V3 Retransmit timer)
0000   240 $SBEXP  NML_CLEAR_NTI,NML_CLEAR_START,NML$CHK_V2_CIRC
0000   241 $NEXT
030C   242
030C   243 FIELD$                                        ; Tributary address
0000   244 $SBEXP  NML_CLEAR_TRI,NML_CLEAR_START,NML$CHK_V2_CIRC
0000   245 $NEXT
031C   246
031C   247 FIELD$                                        ; Receive buffer size
```

```
0000    248 $SBEXP  NML_CLEAR_BFN,NML_CLEAR_START,NML$CHK_V2_LINE
0000    249 $NEXT
032C    250
032C    251 FIELD$
0000    252 $MATCH  2,NML_PTY_ERR                       ; Unrecognized parameter type
0000    253 $NULL   ,NML_FOR_ERR                        ; Format error
0000    254
0000    255
0000    256 FIELD$  NML_CLEAR_STA                       ; State parameter
0000    257 $WORD   NMA$C_PCCI_STA,NPA$_EXIT,NML$CHK_V2_STA
0000    258
0000    259 FIELD$  NML_CLEAR_SER                       ; Service parameter
0000    260 $WORD   NMA$C_PCCI_SER,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCCI_SER
0000    261
0000    262 FIELD$  NML_CLEAR_LCT                       ; Counter timer
0000    263 $WORD   NMA$C_PCCI_LCT,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCCI_LCT
0000    264
0000    265 FIELD$  NML_CLEAR_COS                       ; Cost
0000    266 $WORD   NMA$C_PCCI_COS,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCCI_COS
0000    267
0000    268 FIELD$  NML_CLEAR_CON                       ; Controller mode parameter
0000    269 $WORD   NMA$C_PCLI_CON,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_CON
0000    270
0000    271 FIELD$  NML_CLEAR_DUP                       ; Duplex parameter
0000    272 $WORD   NMA$C_PCLI_DUP,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_DUP
0000    273
0000    274 FIELD$  NML_CLEAR_LTY                       ; Line Type (V3 Protocol parameter)
0000    275 $WORD   NMA$C_PCLI_PRO,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_PRO
0000    276
0000    277 FIELD$  NML_CLEAR_STI                       ; Service timer parameter
0000    278 $WORD   NMA$C_PCLI_STI,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_STI
0000    279
0000    280 FIELD$  NML_CLEAR_NTI                       ; Normal retransmit timer parameter
0000    281 $WORD   NMA$C_PCLI_RTT,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_RTT
0000    282
0000    283 FIELD$  NML_CLEAR_TRI                       ; Tributary address
0000    284 $WORD   NMA$C_PCCI_TRI,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCCI_TRI
0000    285
0000    286 FIELD$  NML_CLEAR_BFN                       ; Receive buffer size
0000    287 $WORD   NMA$C_PCLI_BF$,NPA$_EXIT,NML$PRM_CLEAR,,,CPT$GK_PCLI_BF$
0000    288
0000    289 FIELD$                                      ; End of line parameter states
```

```
0000    291          .SBTTL  NML$NPA_V2SUB   Common set/define parameter parsing subexpressions
0000    292
0000    293 ;+
0000    294 ; Common subexpressions
0000    295 ;-
0000    296
0000    297 IMSG$   NML$NPA_V2SUB
0000    298
0000    299 FIELD$  NML_BYTE_SUB     ; Single byte parameter
0000    300 $MATCH  1,NPA$_EXIT,NML$PRM_CHECK
0000    301 $NULL   ,NML_FOR_ERR     ; Format error
0000    302
0000    303 FIELD$  NML_WORD_SUB     ; Word parameter
0000    304 $MATCH  2,NPA$_EXIT,NML$PRM_CHECK
0000    305 $NULL   ,NML_FOR_ERR     ; Format error
0000    306
0000    307 FIELD$  NML_LONG_SUB     ; Longword parameter
0000    308 $MATCH  4,NPA$_EXIT,NML$PRM_CHECK
0000    309 $NULL   ,NML_FOR_ERR     ; Format error
0000    310
0000    311 FIELD$  NML_SKIP_BYTE    ; Skip over single byte parameter
0000    312 $MATCH  1,NPA$_EXIT,NML$CHK_V2_STA
0000    313 $NULL   ,NML_FOR_ERR     ; Format error
0000    314
0000    315 ;
0000    316 ; Error subexpressions.
0000    317 ;
0000    318 FIELD$  NML_PTY_ERR      ; Parameter type error
0000    319 $ERROR  NML$_STS_PTY,,NML$PRM_ERR,,,NMA$C_STS_PTY
0000    320
0000    321 FIELD$  NML_PNA_ERR      ; Parameter not applicable error
0000    322 $ERROR  NML$_STS_PNA,,NML$PRM_ERR,,,NMA$C_STS_PNA
0000    323
0000    324 FIELD$  NML_PVA_ERR      ; Parameter value error
0000    325 $ERROR  NML$_STS_PVA,,NML$PRM_ERR,,,NMA$C_STS_PVA
0000    326
0000    327 FIELD$  NML_FOR_ERR      ; Message format error
0000    328 $ERROR  NML$_STS_INV,,NML$PRM_ERR,,,NMA$C_STS_INV
0000    329
0000    330 FIELD$  NML_FUN_ERR      ; Message function error
0000    331 $ERROR  NML$_STS_FUN,,NML$PRM_ERR,,,NMA$C_STS_INV
0000    332
0000    333 FIELD$                   ; End of common parsing states
0000    334
0000    335          .END
```

```
CPT$GK_PCCI_COS          ********  X  03
CPT$GK_PCCI_LCT          ********  X  03
CPT$GK_PCCI_SER          ********  X  03
CPT$GK_PCCI_TRI          ********  X  03
CPT$GK_PCLI_BF$          ********  X  03
CPT$GK_PCLI_CON          ********  X  03
CPT$GK_PCLI_DUP          ********  X  03
CPT$GK_PCLI_PRO          ********  X  03
CPT$GK_PCLI_RTT          ********  X  03
CPT$GK_PCLI_STI          ********  X  03
FLG$$$                 = FFFFFFFF
NMA$C_DPX_FUL          = 00000000
NMA$C_DPX_HAL          = 00000001
NMA$C_LINCN_LOO        = 00000001
NMA$C_LINCN_NOR        = 00000000
NMA$C_LINPR_CON        = 00000001
NMA$C_LINPR_POI        = 00000000
NMA$C_LINPR_TRI        = 00000002
NMA$C_LINSV_DIS        = 00000001
NMA$C_LINSV_ENA        = 00000000
NMA$C_PCCI_COS         = 00000384
NMA$C_PCCI_LCT         = 0000006E
NMA$C_PCCI_SER         = 00000064
NMA$C_PCCI_STA         = 00000000
NMA$C_PCCI_TRI         = 00000474
NMA$C_PCLI_BF$           ********  X  03
NMA$C_PCLI_CON         = 00000456
NMA$C_PCLI_DUP         = 00000457
NMA$C_PCLI_PRO         = 00000458
NMA$C_PCLI_RTT         = 00000461
NMA$C_PCLI_STI         = 00000460
NMA$C_STATE_OFF        = 00000001
NMA$C_STATE_ON         = 00000000
NMA$C_STATE_SER        = 00000002
NMA$C_STS_INV          = FFFFFFFE
NMA$C_STS_PNA          = FFFFFFEA
NMA$C_STS_PTY          = FFFFFFFA
NMA$C_STS_PVA          = FFFFFFF0
NML$CHK_V2_CIRC            ********  X  03
NML$CHK_V2_LINE            ********  X  03
NML$CHK_V2_STA             ********  X  03
NML$GL_PRMCODE             ********  X  03
NML$NPA_CLEARV2LINE        00000270 RG  03
NML$NPA_SETV2LINE          00000000 RG  03
NML$NPA_V2SUB              00000418 RG  03
NML$PRM_CHECK              ********  X  03
NML$PRM_CLEAR              ********  X  03
NML$PRM_ERR                ********  X  03
NML$_STS_FUN           = FFFFFFFE
NML$_STS_INV           = FFFFFFFC
NML$_STS_PNA           = FFFFFFD4
NML$_STS_PTY           = FFFFFFF4
NML$_STS_PVA           = FFFFFFE0
NML_BYTE_SUB               00000418 R   03
NML_CLEAR_BFN              00000404 R   03
NML_CLEAR_CON              0000038C R   03
NML_CLEAR_COS              00000378 R   03
NML_CLEAR_DUP              000003A0 R   03
NML_CLEAR_LCT              00000364 R   03
NML_CLEAR_LTY              000003B4 R   03
NML_CLEAR_NTI              000003DC R   03
NML_CLEAR_SER              00000350 R   03
NML_CLEAR_STA              00000340 R   03
NML_CLEAR_START            00000278 R   03
NML_CLEAR_STI              000003C8 R   03
NML_CLEAR_TRI              000003F0 R   03
NML_FOR_ERR                000004B4 R   03
NML_FUN_ERR                000004C8 R   03
NML_LONG_SUB               00000448 R   03
NML_PNA_ERR                0000048C R   03
NML_PTY_ERR                00000478 R   03
NML_PVA_ERR                000004A0 R   03
NML_SET_BFN                0000025C R   03
NML_SET_CON                0000016C R   03
NML_SET_COS                00000158 R   03
NML_SET_DUP                000001A4 R   03
NML_SET_LCT                00000144 R   03
NML_SET_LTY                000001DC R   03
NML_SET_NTI                00000234 R   03
NML_SET_SER                0000010C R   03
NML_SET_STA                000000D0 R   03
NML_SET_START              00000008 R   03
NML_SET_STI                00000220 R   03
NML_SET_TRI                00000248 R   03
NML_SKIP_BYTE              00000460 R   03
NML_WORD_SUB               00000430 R   03
NPA$M_ACTION           = 00000004
NPA$M_EXT              = 00000001
NPA$M_LAST             = 00008000
NPA$M_MASK             = 00000010
NPA$M_MSKADR           = 00000020
NPA$M_OFFSET           = 00000040
NPA$M_PARAM            = 00000002
NPA$M_STATE            = 00000008
NPA$_ADVANCE           = 00000001
NPA$_BYTE              = 00000003
NPA$_EOM               = 00000004
NPA$_ERROR             = 00000007
NPA$_EXIT              = 00000000
NPA$_EXTZV             = 0000000A
NPA$_FAIL              = FFFFFFFF
NPA$_IMAGE             = 00000000
NPA$_LOOK              = 00000009
NPA$_MASK              = 00000002
NPA$_MATCH             = 00000008
NPA$_NULL              = 00000005
NPA$_SBEXP             = 00000006
NPA$_WORD              = 00000001
NXT$$$                 = 00000000
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
. BLANK .	00000000 (0.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
ABS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
NPA$STATE	000004DC (1244.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.06	00:00:01.23
Command processing	152	00:00:00.86	00:00:06.74
Pass 1	470	00:00:23.91	00:00:46.37
Symbol table sort	0	00:00:01.58	00:00:02.96
Pass 2	77	00:00:04.01	00:00:06.83
Symbol table output	13	00:00:00.11	00:00:00.38
Psect synopsis output	3	00:00:00.02	00:00:00.06
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	753	00:00:30.56	00:01:04.60

The working set limit was 1800 pages.
120080 bytes (235 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 1083 non-local and 0 local symbols.
335 source lines were read in Pass 1, producing 23 object records in Pass 2.
31 pages of virtual memory were used to define 28 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SHRLIB]NMALIBRY.MLB;1	1
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[NML.OBJ]NMLLIB.MLB;1	14
_255DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	18

1293 GETS were required to define 18 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:NMLV2STA/OBJ=OBJ$:NMLV2STA MSRC$:NMLV2STA/UPDATE=(ENH$:NMLV2STA)+LIB$:NMLLIB/LIB+EXECML$/LIB+SHRLIB$:NMALIBRY/LIB
```

NPARSE
LIS

REQUEST
MAP

OPCOM

REPLY
MAP

NMLXFER
LIS

OPCCRASH
MAP

NMLV2STA
LIS

OPCOMLIB
B32

ALLOCATE
LIS

NMLZERO
LIS

OPCOMDEF
SDL

OPCOM
MAP

OPCDEFTMP
SDL

CANCEL
LIS