


```

NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  DDDDDDDD  UU      UU      MM      MM
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  DDDDDDDD  UU      UU      MM      MM
NN      NN      CC        PP        PP  SS        TT        AA        AA  DD        DD  UU      UU  MMMM  MMMM
NN      NN      CC        PP        PP  SS        TT        AA        AA  DD        DD  UU      UU  MMMM  MMMM
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  DD        DD  UU      UU  MM    MM
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PP        SS        TT        AAAAAAAAAA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PP        SS        TT        AAAAAAAAAA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PP        SS        TT        AA        AA  DD        DD  UU      UU  MM    MM
NN      NN      CC        PP        SS        TT        AA        AA  DD        DD  UU      UU  MM    MM
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  DDDDDDDD  UU      UU  MM    MM
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  DDDDDDDD  UUUUUUUUUU  MM    MM

```

```

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 'Dump Parse States and Data'
2 0002 0 MODULE NCPSTADUM (IDENT = 'V04-000', LIST(NOOBJECT)) =
3 0003 1 BEGIN
4 0004 1
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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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 dump commands
36 0036 1
37 0037 1 ENVIRONMENT: VAX/VMS Operating System
38 0038 1
39 0039 1 AUTHOR: Darrell Duffy , CREATION DATE: 25-September-79
40 0040 1
41 0041 1 MODIFIED BY:
42 0042 1
43 0043 1 V001 TMH0001 Tim Halvorsen 22-Jun-1981
44 0044 1 Change BUILD_SDB reference to use full entity type field.
45 0045 1 Change to dump via circuit, not line.
46 0046 1 --

```

```
.. 48      0047 1 %SBTTL 'Definitions'
.. 49      0048 1
.. 50      0049 1
.. 51      0050 1  ! INCLUDE FILES:
.. 52      0051 1  !
.. 53      0052 1
.. 54      0053 1      LIBRARY 'LIBS:NMALIBRY';
.. 55      0054 1      LIBRARY 'LIBS:NCPLIBRY';
.. 56      0055 1      LIBRARY 'SYSSLIBRARY:TPAMAC';
.. 57      0056 1
.. 58      0057 1  !
.. 59      0058 1  ! EXTERNAL REFERENCES:
.. 60      0059 1
.. 61      0060 1
.. 62      0061 1      ACT_DFN      ! External symbols for action routines
```

```

: 64      0062 1 %SBTTL 'Parameter blocks'
: 65      0063 1
: 66      0064 1
: 67      0065 1 BIND DATA:
: 68      0066 1
: 69      0067 1
: 70      0068 1
: 71      0069 1 Parameter Blocks
: 72      0070 1
: 73      0071 1
: 74      P 0072 1 BUILD_PCL
: 75      PP 0073 1
: 76      PP 0074 1 (DUM,
: 77      PP 0075 1
: 78      PP 0076 1 ADR, NUML, PCNO_DAD, .
: 79      PP 0077 1 COU, NUML, PCNO_DCT, .
: 80      PP 0078 1 TO, TKN, PCNO_DUM, .
: 81      PP 0079 1 SDF, TKN, PCNO_SDU, .
: 82      PP 0080 1 SLI, TKN, PCNO_SLI, .
: 83      PP 0081 1 SPW, HXPS, PCNO_SPA, .
: 84      PP 0082 1 . END, . .
: 85      P 0083 1
: 86      0084 1 )
: 87      0085 1
: 88      P 0086 1 BUILD_PCL
: 89      PP 0087 1
: 90      PP 0088 1 (DUM,
: 91      PP 0089 1
: 92      PP 0090 1 ADR, NUML, PCNO_DAD, DUM_ADR,
: 93      PP 0091 1 COU, NUML, PCNO_DCT, DUM_COU,
: 94      PP 0092 1 TO, TKN, PCNO_DUM, DUM_TO,
: 95      PP 0093 1 SDF, TKN, PCNO_SDU, DUM_SDF,
: 96      PP 0094 1 SPW, HXPS, PCNO_SPA, DUM_SPW,
: 97      P 0095 1 . END, . .
: 98      P 0096 1
: 99      0097 1 )
100      0098 1
101      P 0099 1 BUILD_PBK
102      PP 0100 1
103      PP 0101 1 (DUM,
104      PP 0102 1
105      PP 0103 1 ADR, NUML, . .
106      PP 0104 1 COU, NUML, . .
107      PP 0105 1 NOD, NADR, . VRB_ENT,
108      PP 0106 1 VIA, TKN, . VRB_ENT,
109      PP 0107 1 TO, TKN, . .
110      PP 0108 1 SDF, TKN, . .
111      PP 0109 1 SLI, TKN, . .
112      P 0110 1 SPW, HXPS, . .
113      P 0111 1
114      0112 1 )
115      0113 1
116      P 0114 1 BUILD_SDB
117      P 0115 1
118      0116 1 (DUM, NMASC_ENT_NOD, VRB_ENT, DUM)
119      0117 1
: 120     P 0118 1 BUILD_SDB

```

NCPSTADUM
V04-000

Dump Parse States and Data
Parameter blocks

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: 121
: 122
P 0119 1
0120 1 (DUV, NMASC_ENT_CIR, DUM_SLI, DUV)

N
V
.....

```
: 124      0121 1 %SBTTL 'Prompt strings'  
: 125      0122 1  
: 126      0123 1  
: 127      0124 1 Build prompt strings  
: 128      0125 1  
: 129      0126 1  
: 130      0127 1 BIND  
: 131      0128 1  
: 132      P 0129 1 PROMPT_STRINGS  
: 133      P 0130 1 (DUM,  
: 134      P 0131 1  
: 135      P 0132 1 ENT, ' (NODE node-id, VIA circuit-name): ',  
: 136      P 0133 1 NOD, 'Node to dump (node-name, address): ',  
: 137      P 0134 1 VIA, 'Circuit to node (circuit-name): ',  
: 138      P 0135 1  
: 139      0136 2 )  
: 140      0137 1 ;
```

```

142 0138 1 %SBTTL 'State Table Entry'
143 0139 1
144 0140 1 $INIT_STATE (NCP$G_STTBL_DUM, NCP$G_KYTBL_DUM);
145 0141 1
146 0142 1 :
147 0143 1 : Dump Command
148 0144 1 :
149 0145 1 :
150 0146 1 :
151 0147 1 : Dispatch to entity types and prompt if end of string
152 0148 1 :
153 0149 1 :
154 P 0150 1 COMMAND PROMPT
155 P 0151 1 (DUM, ENT, NCP$_INVKEY,
156 P 0152 1
157 P 0153 1 ('NODE', ST_DUM_NOD),
158 P 0154 1 ('VIA', ST_DUM_VIA)
159 P 0155 1
160 0156 1 )
161 0157 1
162 0158 1 :
163 0159 1 : Obtain Node ID
164 0160 1 :
165 0161 1
166 P 0162 1 COMMAND PROMPT
167 P 0163 1 (DUM, NOD, NCP$_INVVAL,
168 P 0164 1
169 P 0165 1 ( (SE_NODE_ID), ST_DUM_DOIT, ACT$$SAVPRM, , , PBK$G_DUM_NOD)
170 P 0166 1
171 0167 1 )
172 0168 1
173 P 0169 1 $STATE (ST_DUM_DOIT,
174 P 0170 1 ( (ST_DUM_PRM) )
175 0171 1 );
176 0172 1
177 P 0173 1 $STATE (
178 P 0174 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_DUM)
179 0175 1 );
180 0176 1
181 0177 1
182 0178 1 :
183 0179 1 : Select node by circuit name
184 0180 1 :
185 0181 1
186 P 0182 1 COMMAND PROMPT
187 P 0183 1 (DUM, VIA, NCP$_INVVAL,
188 P 0184 1
189 P 0185 1 ( (SE_LINE_ID), ST_DUM_PRM, ACT$$SAVPRM, NMA$C_ENT_CIR,
190 P 0186 1 NCP$GL_OPTION, PBR$G_DUM_SLI)
191 P 0187 1
192 0188 1 )
193 0189 1
194 P 0190 1 $STATE (ST_DUM_DOIT,
195 P 0191 1 ( (ST_DUM_PRM) )
196 0192 1 );
197 0193 1
198 P 0194 1 $STATE (

```


NCPSTADUM
V04-000

Dump Parse States and Data
State Table Entry

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: 199
: 200

P 0195 1 (TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, . . , SDBSG_DUV)
0196 1);

```

: 202      0197 1 %SBTTL 'Dump Parameters'
: 203      0198 1
: 204      0199 1
: 205      0200 1
: 206      0201 1
: 207      0202 1
: 208      P 0203 1 $STATE (ST_DUM_PRM,
: 209      P 0204 1 (TPAS_EOS, TPAS_EXIT, ACTSSAVPRM, , , PBK$G_VRB_ALL),
: 210      P 0205 1 (TPAS_LAMBDA)
: 211      0206 1 );
: 212      0207 1
: 213      P 0208 1 $STATE (ST_DUM_PRC,
: 214      P 0209 1
: 215      P 0210 1 DISPATCH_STATES
: 216      P 0211 1 (DUM,
: 217      P 0212 1
: 218      P 0213 1 ADR, 'ADDRESS',
: 219      P 0214 1 COU, 'COUNT',
: 220      P 0215 1 PSW, 'PASSWORD',
: 221      P 0216 1 SDF, 'SECONDARY',
: 222      P 0217 1 SPW, 'SERVICE',
: 223      P 0218 1 TO, 'TO',
: 224      P 0219 1 SLI, 'VIA',
: 225      P 0220 1
: 226      P 0221 1 )
: 227      P 0222 1
: 228      P 0223 1 (TPAS_EOS, TPAS_EXIT)
: 229      0224 1 );
: 230      0225 1
: 231      0226 1 %SBTTL 'Process States'
: 232      0227 1
: 233      0228 1
: 234      0229 1
: 235      0230 1
: 236      0231 1
: 237      P 0232 1 PROCESS_STATES
: 238      P 0233 1 (DUM,
: 239      P 0234 1
: 240      P 0235 1 ADR, ,
: 241      P 0236 1 COU, ,
: 242      P 0237 1 PSW, ,
: 243      P 0238 1 SDF, 'DUMPER',
: 244      P 0239 1 SLI, ,
: 245      P 0240 1 SPW, 'PASSWORD',
: 246      P 0241 1 TO, ,
: 247      P 0242 1
: 248      0243 1 )
: 249      0244 1
: 250      0245 1
: 251      0246 1 %SBTTL 'Subexpressions'
: 252      0247 1
: 253      0248 1
: 254      0249 1
: 255      0250 1
: 256      P 0251 1
: 257      P 0252 1 SUB_EXPRESSIONS
: 258      P 0253 1 (DUM,

```

```
: 259 P 0254 1
: 260 P 0255 1 ADR, TPAS_HEX,
: 261 P 0256 1 COU, TPAS_DECIMAL,
: 262 P 0257 1 SDF, (SE_FILE_ID),
: 263 P 0258 1 SLI, (SE_LINE_ID),
: 264 P 0259 1 SPW, (SE_HEX_PSW),
: 265 P 0260 1 TO, (SE_FILE_ID),
: 266 P 0261 1
: 267 0262 1 )
: 268 0263 1
: 269 P 0264 1 $STATE (ST_DUM_PSW, ! Another state for password
: 270 P 0265 1 (TPAS_LAMBDA, ST_DUM_SPW)
: 271 0266 1 );
```

```
: 273 0267 1 %SBTTL 'Define Subexpressions from Library'  
: 274 0268 1  
: 275 0269 1  
: 276 0270 1 Define subexpressions from Library  
: 277 0271 1  
: 278 0272 1  
: 279 0273 1 SEM_FILE_ID ! File id strings  
: 280 0274 1 SEM_HEX_PSW ! Hex password  
: 281 0275 1 SEM_LINE_ID ! Line id strings  
: 282 0276 1 SEM_NODE_ID ! Node id strings
```

NCPSTADUM
V04-000

Dump Parse States and Data
Object Listing of Parse Table

E 16
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```
: 284      0277 1 %SBTTL 'Object Listing of Parse Table'  
: 285      0278 1  
: 286      0279 1 END !End of module  
: 287      0280 0 ELUDOM
```

This image displays a grid of 144 small, illegible document thumbnails arranged in 12 rows and 12 columns. The thumbnails are arranged in a regular grid pattern. Several thumbnails contain legible text, including:

- Top row, 11th column: NCPSTACNO LIS
- 5th row, 11th column: NCPSTALIN LIS
- 6th row, 6th column: NCPSTACIR LIS
- 6th row, 11th column: NCPSTADUM LIS
- 8th row, 11th column: NCPSTADIS LIS
- 9th row, 11th column: NCPSTACON LIS
- 12th row, 6th column: NCPSTACLP LIS

The remaining thumbnails are too small and faded to read.