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NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  TTTTTTTTTT  RRRRRRRR  IIIIII
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  TTTTTTTTTT  RRRRRRRR  IIIIII
NN      NN      CC        PP        PP  SS        TT        AA        AA  TT        RR        RR  II
NN      NN      CC        PP        PP  SS        TT        AA        AA  TT        RR        RR  II
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  TT        RR        RR  II
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  TT        RR        RR  II
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  TT        RRRRRRRR  II
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  TT        RRRRRRRR  II
NN      NN      CC        PP        SS        TT        AAAAAAAAAA  TT        RR  RR  II
NN      NN      CC        PP        SS        TT        AAAAAAAAAA  TT        RR  RR  II
NN      NN      CC        PP        SS        TT        AA        AA  TT        RR        RR  II
NN      NN      CC        PP        SS        TT        AA        AA  TT        RR        RR  II
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  TT        RR        RR  IIIIII
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  TT        RR        RR  IIIIII

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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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```

0001 0 %TITLE 'Trigger Parse States and Data'
0002 0 MODULE NCPSTATRI (IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
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0025 1 *
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1 **
0031 1 FACILITY:      Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1     States and data for the parsing of NCP trigger commands
0036 1
0037 1 ENVIRONMENT:  VAX/VMS Operating System
0038 1
0039 1 AUTHOR:      Darrell Duffy   , CREATION DATE: 25-September-79
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1     V03-001  RPG0001      Bob Grosso      29-Apr-1983
0044 1             Add PHYSICAL ADDRESS
0045 1
0046 1     V002    TMH0002      Tim Halvorsen  14-Jul-1981
0047 1             Add reference to SEM_LINE_ID macro, in order for
0048 1             SE_CIRC_ID to work.
0049 1
0050 1     V001    TMH0001      Tim Halvorsen  22-Jun-1981
0051 1             Change BUILD_SDB reference to use full entity type field.
0052 1             Change to trigger via circuits, not lines.
0053 1  --

```

```
.. 55      0054 1 %SBTTL 'Definitions'  
.. 56      0055 1  
.. 57      0056 1  
.. 58      0057 1 : INCLUDE FILES:  
.. 59      0058 1 :  
.. 60      0059 1  
.. 61      0060 1     LIBRARY 'LIBS:NMALIBRY';  
.. 62      0061 1     LIBRARY 'LIBS:NCPLIBRY';  
.. 63      0062 1     LIBRARY 'SYSSLIBRARY:TPAMAC';  
.. 64      0063 1  
.. 65      0064 1 :  
.. 66      0065 1 : EXTERNAL REFERENCES:  
.. 67      0066 1 :  
.. 68      0067 1 :  
.. 69      0068 1     ACT_DFN           ! External symbols for action routines
```

```

71      0069 1 %SBTTL 'Parameter blocks'
72      0070 1
73      0071 1
74      0072 1 BIND DATA:
75      0073 1
76      0074 1
77      0075 1
78      0076 1 Parameter Blocks
79      0077 1
80      0078 1
81      P 0079 1 BUILD_PCL
82      P 0080 1
83      P 0081 1 (TRI,
84      P 0082 1
85      P 0083 1 SLI, TKN, PCNO_SLI,
86      P 0084 1 PSW, HXPS, PCNO_SPA,
87      P 0085 1 PHA, NIADR, PCNO_PHA,
88      P 0086 1
89      P 0087 1 . END, . . .
90      P 0088 1
91      0089 1 )
92      0090 1
93      P 0091 1 BUILD_PCL
94      P 0092 1
95      P 0093 1 (TRV,
96      P 0094 1
97      P 0095 1 PSW, HXPS, PCNO_SPA, TRI_PSW,
98      P 0096 1 PHA, NIADR, PCNO_PHA, TRI_PHA,
99      P 0097 1
100     P 0098 1 . END, . . .
101     P 0099 1
102     0100 1 )
103     0101 1
104     P 0102 1 BUILD_PBK
105     P 0103 1
106     P 0104 1 (TRI,
107     P 0105 1
108     P 0106 1 NOD, NADR, . VRB_ENT,
109     P 0107 1 PSW, HXPS, . . .
110     P 0108 1 SLI, TKN, . . .
111     P 0109 1 PHA, NIADR, . . .
112     P 0110 1
113     0111 1 )
114     0112 1
115     P 0113 1 BUILD_SDB
116     P 0114 1
117     0115 1 (TRI, NMASC_ENT_NGD, VRB_ENT, TRI)
118     0116 1
119     P 0117 1 BUILD_SDB
120     P 0118 1
121     0119 1 (TRV, NMASC_ENT_CIR, TRI_SLI, TRV)

```

```
.. 123      0120  1 %SBTTL  'Prompt strings'  
.. 124      0121  1  
.. 125      0122  1  
.. 126      0123  1  
.. 127      0124  1  
.. 128      0125  1  
.. 129      0126  1 BIND  
.. 130      0127  1  
.. 131      P 0128  1 PROMPT_STRINGS  
.. 132      P 0129  1 (TRI,  
.. 133      P 0130  1  
.. 134      P 0131  1 ENT, ' (NODE node-id, VIA circuit-name): ',  
.. 135      P 0132  1 NOD, 'Node to trigger (node-name, address): ',  
.. 136      P 0133  1 VIA, 'Circuit to use (circuit-name): ',  
.. 137      P 0134  1  
.. 138      0135  2 )  
.. 139      0136  1 :
```

```

141 0137 1 %SBTTL 'State Table Entry'
142 0138 1
143 0139 1 $INIT_STATE (NCP$G_STTBL_TRI, NCP$G_KYTBL_TRI);
144 0140 1
145 0141 1
146 0142 1 Trigger Command
147 0143 1
148 0144 1
149 0145 1
150 0146 1 Dispatch to entity types and prompt if end of string
151 0147 1
152 0148 1
153 P 0149 1 COMMAND PROMPT
154 P 0150 1 (TRI, ENT, NCP$ INVKEY,
155 P 0151 1
156 P 0152 1 ('NODE', ST_TRI_NOD),
157 P 0153 1 ('VIA', ST_TRI_VIA)
158 P 0154 1
159 0155 1 )
160 0156 1
161 0157 1
162 0158 1
163 0159 1 Obtain the node id
164 0160 1
165 0161 1
166 P 0162 1 COMMAND PROMPT
167 P 0163 1 (TRI, NOD, NCP$ INVVAL,
168 P 0164 1
169 P 0165 1 ( (SE_NODE_ID), ST_TRI_DOIT, ACT$SAVPRM, NMA$C_ENT_NOD,
170 P 0166 1 NCP$GL_OPTION, PBK$G_TRI_NOD)
171 P 0167 1
172 0168 1 )
173 0169 1
174 P 0170 1 $STATE (ST_TRI_DOIT,
175 P 0171 1 ( (ST_TRI_PRM) )
176 0172 1 );
177 0173 1
178 P 0174 1 $STATE (
179 P 0175 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_TRI)
180 0176 1 );
181 0177 1
182 0178 1
183 0179 1 Select node by circuit name
184 0180 1
185 0181 1
186 P 0182 1 COMMAND PROMPT
187 P 0183 1 (TRI, VIA, NCP$ INVVAL,
188 P 0184 1
189 P 0185 1 ( (SE_CIRC_ID), ST_TRV_DOIT, ACT$SAVPRM, NMA$C_ENT_CIR,
190 P 0186 1 NCP$GL_OPTION, PBK$G_TRI_SLI)
191 P 0187 1
192 0188 1 )
193 0189 1
194 0190 1
195 P 0191 1 $STATE (ST_TRV_DOIT,
196 P 0192 1 ( (ST_TRI_PRM) )
197 0193 1 );

```

NCPSTATRI  
V04-000

Trigger Parse States and Data  
State Table Entry

N 7  
16-Sep-1984 01:38:54  
5-Sep-1984 22:17:53

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTATRI.B32;1

Page 6  
(5)

NCP  
V04

:	198			
:	199	P	0194 1	
:	200	P	0195 1	\$STATE (
:	201		0196 1	(TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, , , SDBSG_TRV)
:			0197 1	);

.....



```

203 0198 1
204 0199 1
205 0200 1
206 0201 1
207 0202 1
208 P 0203 1 $STATE (ST_TRI_PRC,
209 P 0204 1 (TPAS_EOS, , ACTSSAVPRM, , , PBKSG_VRB_ALL),
210 P 0205 1 (TPAS_LAMBDA)
211 0206 1 );
212 0207 1
213 P 0208 1 $STATE (ST_TRI_PRC,
214 P 0209 1
215 P 0210 1 DISPATCH_STATES
216 P 0211 1 (TRI,
217 P 0212 1
218 P 0213 1 PSW, 'PASSWORD',
219 P 0214 1 SVC, 'SERVICE',
220 P 0215 1 SLI, 'VIA',
221 P 0216 1 PHA, 'PHYSICAL',
222 P 0217 1
223 P 0218 1 )
224 P 0219 1
225 P 0220 1 (TPAS_EOS, TPAS_EXIT)
226 0221 1 );
227 0222 1
228 P 0223 1 PROCESS_STATES
229 P 0224 1 (TRI,
230 P 0225 1
231 P 0226 1 PSW, ,
232 P 0227 1 SLI, ,
233 P 0228 1 PHA, 'ADDRESS',
234 P 0229 1
235 0230 1 )
236 0231 1
237 0232 1
238 P 0233 1 $STATE (ST_TRI_PRC_SVC,
239 P 0234 1 ('PASSWORD', ST_TRI_PRC_PSW),
240 P 0235 1 (TPAS_LAMBDA, ST_TRI_PRC_PSW)
241 0236 1 );
242 0237 1
243 P 0238 1 SUB EXPRESSIONS
244 P 0239 1 (TRI,
245 P 0240 1
246 P 0241 1 PSW, (SE_HEX_PSW),
247 P 0242 1 SLI, (SE_CIRC_ID),
248 P 0243 1 PHA, (SE_NI_ADR),
249 P 0244 1
250 0245 1 )
251 0246 1

```

```
.. 253 0247 1 %SBTTL 'Define Sub-expressions from Library'  
.. 254 0248 1  
.. 255 0249 1  
.. 256 0250 1 Define subexpressions from library  
.. 257 0251 1  
.. 258 0252 1  
.. 259 0253 1 SEM_HEX_PSW ! Hex password  
.. 260 0254 1 SEM_CIRC_ID ! Circuit name strings  
.. 261 0255 1 SEM_LINE_ID ! Line ID strings  
.. 262 0256 1 SEM_NODE_ID ! Node id strings  
.. 263 0257 1 SEM_NI_ADR ! NI node address
```

NCPSTATRI  
V04-000

Trigger Parse States and Data  
Object Listing of Parse Table

D 8  
16-Sep-1984 01:38:54  
5-Sep-1984 22:17:53

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTATRI.B32;1

Page 9  
(8)

```
: 265      0258 1 %SBTTL 'Object Listing of Parse Table'  
: 266      0259 1  
: 267      0260 1 END .End of module  
: 268      0261 0 ELUDOM
```

