

NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	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	CCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	

```

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      TTTT      AA      AA      TT      RR      RR      II
NN      NN      CC      PP      SS      TT      TT      TTTT      AA      AA      TT      RR      RR      II
NN      NN      CC      PP      SS      TT      TT      TTTT      AA      AA      TT      RR      RR      II
NN      NN      CC      PP      SS      TT      TT      TTTT      AA      AA      TT      RR      RR      II
NN      NN      CC      PP      SS      TT      TT      TTTT      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

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

```

```
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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0024 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
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 'LIB$:NMALIBRY';
62 0061 1 LIBRARY 'LIB$: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_NOD, 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)
```

NCPSTATRI
V04-000

Trigger Parse States and Data
Prompt strings

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

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[NCP.SRC]NCPSTATRI.B32;1

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```

: 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 );
```

:	198
:	199
:	200
:	201

```

P 0194 1
P 0195 1 $STATE (
P 0196 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_TRV)
P 0197 1 );

```



```
203 0198 1
204 0199 1
205 0200 1
206 0201 1
207 0202 1
208 P 0203 1 $STATE (ST_TRI_PRC,
209 P 0204 1 (TPAS_EOS, , ACT$SAVPRM, , , PBK$G_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 Subexpressions 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
:	260	0254	1		SEM_CIRC_ID
:	261	0255	1		SEM_LINE_ID
:	262	0256	1		SEM_NODE_ID
:	263	0257	1		SEM_NI_ADR

:	Hex password
:	Circuit name strings
:	Line ID strings
:	Node id strings
:	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

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

0271

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