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NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  LL      000000  GGGGGGGG
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  LL      000000  GGGGGGGG
NN      NN      CC        PP        PP  SS        TT        AA        AA  LL      00        00  GG
NN      NN      CC        PP        PP  SS        TT        AA        AA  LL      00        00  GG
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  LL      00        00  GG
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  LL      00        00  GG
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  LL      00        00  GG
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  LL      00        00  GG
NN      NN      CC        PP        SS        TT        AAAAAAAAAA  LL      00        00  GG  GGGGGG
NN      NNNN    CC        PP        SS        TT        AAAAAAAAAA  LL      00        00  GG  GGGGGG
NN      NNNN    CC        PP        SS        TT        AA        AA  LL      00        00  GG  GG
NN      NN      CC        PP        SS        TT        AA        AA  LL      00        00  GG  GG
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  LLLLLLLLLL  000000  GGGGGG
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  LLLLLLLLLL  000000  GGGGGG

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LL.      I I I I I  SSSSSSSS
LL      I I I I I  SSSSSSSS
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0001 0 %TITLE 'Logging Parameter Parse States and Data'
0002 0 MODULE NCPSTALOG (IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
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0025 1 *
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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 logging parameters
0036 1
0037 1 ENVIRONMENT:   VAX/VMS Operating System
0038 1
0039 1 AUTHOR:       Darrell Duffy   , CREATION DATE: 10-September-79
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1       V03-002 RPG0002      Bob Grosso      26-Feb-1983
0044 1       Rename ESMO to MODPRM.
0045 1
0046 1       V03-001 RPG0001      Bob Grosso      23-Feb-1983
0047 1       Add LOG MONITOR MODULE (X25-PROT,X25-SERVER,X29-SERVER).
0048 1
0049 1       V002      TMH0002      Tim Halvorsen  11-Nov-1981
0050 1       Allow a circuit source as well as line and node.
0051 1
0052 1       V001      TMH0001      Tim Halvorsen  22-Jun-1981
0053 1       Change BUILD_SDB reference to use full entity type field.
0054 1  --

```

```
.. 56 0055 1 %SBTTL 'Defi itions'  
.. 57 0056 1  
.. 58 0057 1  
.. 59 0058 1 : INCLUDE FILES:  
.. 60 0059 1 :  
.. 61 0060 1  
.. 62 0061 1 LIBRARY 'LIBS:NMALIBRY':  
.. 63 0062 1 LIBRARY 'LIBS:NCPLIBRY':  
.. 64 0063 1 LIBRARY 'SYSSLIBRARY:TPAMAC';  
.. 65 0064 1  
.. 66 0065 1 :  
.. 67 0066 1 : EXTERNAL REFERENCES:  
.. 68 0067 1 :  
.. 69 0068 1  
.. 70 0069 1 ACT_DFN ! Action routine externals
```

```

72 0070 1 %SBTTL 'Parameter blocks'
73 0071 1
74 0072 1
75 0073 1 BIND DATA:
76 0074 1
77 0075 1
78 0076 1
79 0077 1 Parameter Blocks
80 0078 1
81 0079 1
82 P 0080 1 BUILD_PCL
83 P 0081 1
84 P 0082 1 (LOG,
85 P 0083 1
86 P 0084 1 STA, NUMB, PCLO_STA,
87 P 0085 1 NAM, TKN, PCLO_LNA,
88 P 0086 1 SNO, NADR, PCLO_SIN,
89 P 0087 1 EVL, ESET, PCLO_EVE, VRB_EVE, ! Event logging type stored
90 P 0088 1 ! in PDB$G_VRB_EVE
91 P 0089 1 . END. . .
92 P 0090 1
93 0091 1 )
94 0092 1
95 P 0093 1 BUILD_PBK
96 P 0094 1
97 P 0095 1 (LOG,
98 P 0096 1
99 P 0097 1 EVL, LITB, 0,
100 P 0098 1 KNE, LITB, 0, LOG_EVL,
101 P 0099 1 LIN, ESLI, , VRB_EVE,
102 P 0100 1
103 P 0101 1 ACT$SAVPRM will specially handle type MODPRM to store the correct module string in PDB$G_VRB
104 P 0102 1 MPR, MODPRM, NCP$C_ENT_MODPRO, VRB_EVE,
105 P 0103 1 MSE, MODPRM, NCP$C_ENT_MODSER, VRB_EVE,
106 P 0104 1 M9S, MODPRM, NCP$C_ENT_MOD29S, VRB_EVE,
107 P 0105 1
108 P 0106 1 NAM, TKN,
109 P 0107 1 NOD, ESN0, , VRB_EVE,
110 P 0108 1 CIR, ESCI, , VRB_EVE,
111 P 0109 1 SEX, LITL, 0, LOG_SNO,
112 P 0110 1 SNO, NADR,
113 P 0111 1 STAON, LITB, NMASC_STATE_ON, LOG_STA,
114 P 0112 1 STAOFF, LITB, NMASC_STATE_OFF, LOG_STA,
115 P 0113 1 STAHL, LITB, NMASC_STATE_HOL, LOG_STA,
116 P 0114 1
117 0115 1 )
118 0116 1
119 P 0117 1 BUILD_SDB
120 P 0118 1
121 0119 1 (LOG, NMASC_ENT_LOG, VRB_ENT, LOG)

```

```
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 (LOG,
133 P 0130 1
134 P 0131 1 EVK, 'Event list (cls.typ,typ-typ, KNOWN): ',
135 P 0132 1 NAM, 'Sink name (filename.typ): ',
136 P 0133 1 MOD, 'Module (X25-PROTOCOL, X25-SERVER, X29-SERVER): ',
137 P 0134 1 SNK, 'Sink node (NODE node-id, EXECUTOR): ',
138 P 0135 1 SRC,
139 L 0136 1 %STRING('Source (NODE node-id, LINE line-id,',CRLF,
140 P 0137 1 'CIRCUIT circ-id, MODULE module-name): '),
141 P 0138 1 STA, 'Sink state (ON, OFF, HOLD): ',
142 P 0139 1
143 0140 2 )
144 0141 1 :
```

```
146 0142 1 %SBTTL 'State Table for Logging Parameters'  
147 0143 1  
148 0144 1 $INIT_STATE (NCP$G_STTBL_LOG, NCP$G_KYTBL_LOG);  
149 0145 1  
150 0146 1  
151 0147 1  
152 0148 1  
153 0149 1  
154 P 0150 1 $STATE (ST_LOG,  
155 P 0151 1 (TPAS_LAMBDA, , ACT$SAVPRM, , , PBK$G_EVE_ESET)  
156 0152 1 );  
157 0153 1  
158 P 0154 1 $STATE (  
159 P 0155 1 ( (SE_ALL), ST_LOG_DOIT), ! All parameter  
160 P 0156 1 (TPAS_EOS, , ACT$PMT_ON); ! Prompt if no keywords  
161 P 0157 1 (TPAS_LAMBDA, ST_LOG_PRC, ACT$PMT_OFF) ! Process keywords  
162 0158 1 );  
163 0159 1  
164 P 0160 1 PROMPT_STATES ! Prompt for these parameters  
165 P 0161 1 (LOG,  
166 P 0162 1 SRC, EVK, SNK, NAM, STA  
167 0163 1 )  
168 0164 1  
169 P 0165 1 $STATE (ST_LOG_DOIT,  
170 P 0166 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_LOG),  
171 0167 1 );
```

```
173 0168 1 %SBTTL 'Substate Dispatching'
174 0169 1
175 0170 1
176 0171 1
177 0172 1
178 0173 1
179 P 0174 1 $STATE (ST_LOG_PRC,
180 PP 0175 1
181 PP 0176 1 DISPATCH_STATES
182 PP 0177 1 (LOG,
183 PP 0178 1
184 PP 0179 1 CIR, 'CIRCUIT',
185 PP 0180 1 EVL, 'EVENTS',
186 PP 0181 1 KNE, 'KNOWN',
187 PP 0182 1 LIN, 'LINE',
188 PP 0183 1 NAM, 'NAME',
189 PP 0184 1 NOD, 'NODE',
190 PP 0185 1 SNK, 'SINK',
191 PP 0186 1 STA, 'STATE',
192 PP 0187 1
193 PP 0188 1 ),
194 PP 0189 1
195 PP 0190 1 ('MODULE', ST_LOG_MOD),
196 PP 0191 1 ('X25', ST_LOG_X25),
197 PP 0192 1 ('X29', ST_LOG_X29),
198 P 0193 1 (TPAS_EOS, ST_LOG_DOIT)
199 0194 1 );
200 0195 1
201 0196 1 %SBTTL 'Process States'
202 0197 1
203 0198 1
204 0199 1
205 0200 1
206 0201 1
207 P 0202 1 PROCESS_STATES
208 PP 0203 1 (LOG,
209 PP 0204 1
210 PP 0205 1 CIR,
211 PP 0206 1 EVL,
212 PP 0207 1 KNE, 'EVENTS',
213 PP 0208 1 LIN,
214 PP 0209 1 NAM,
215 PP 0210 1 NOD,
216 PP 0211 1 SEX,
217 PP 0212 1 SNK,
218 PP 0213 1 STA,
219 P 0214 1
220 0215 1 )
```



```
222 0216 1 %SBTTL 'Subexpressions'  
223 0217 1  
224 0218 1  
225 0219 1 Sub_expressions  
226 0220 1  
227 0221 1  
228 P 0222 1 SUB_EXPRESSIONS  
229 P 0223 1 (LOG,  
230 P 0224 1  
231 P 0225 1 CIR, (SE_CIRC_ID),  
232 P 0226 1 EVL, (SE_EVENT_LIST),  
233 P 0227 1 KNE, (SE_EVENT_KNOWN),  
234 P 0228 1 LIN, (SE_LINE_ID),  
235 P 0229 1 NOD, (SE_NODE_ID),  
236 P 0230 1 NAM, (SE_FILE_ID),  
237 P 0231 1 SEX, TPAS_LAMBDA,  
238 P 0232 1 SNO, (SE_NODE_ID),  
239 P 0233 1  
240 0234 1 )  
241 0235 1  
242 P 0236 1 $STATE (ST_LOG_EVK,  
243 P 0237 1 ('KNOWN'),  
244 P 0238 1 ((SE_EVENT_LIST), TPAS_EXIT, ACT$SAVPRM, , , PBK$G_LOG_EVL),  
245 0239 1 );  
246 0240 1  
247 P 0241 1 $STATE (  
248 P 0242 1 ((SE_EVENT_KNOWN), TPAS_EXIT, ACT$SAVPRM, , , PBK$G_LOG_EVL),  
249 0243 1 );  
250 0244 1  
251 0245 1  
252 P 0246 1 $STATE (ST_LOG_SRC,  
253 P 0247 1 ('LINE', ST_LOG_LIN),  
254 P 0248 1 ('MODULE', ST_LOG_MOD),  
255 P 0249 1 ('NODE', ST_LOG_NOD),  
256 0250 1 ('CIRCUIT', ST_LOG_CIR));  
257 0251 1  
258 P 0252 1 $STATE (ST_LOG_SNK,  
259 P 0253 1 ('EXECUTOR', ST_LOG_SEX),  
260 P 0254 1 ('NODE', ST_LOG_SNO),  
261 0255 1 );  
262 0256 1  
263 P 0257 1 $STATE (ST_LOG_STA,  
264 P 0258 1  
265 P 0259 1 KEYWORD_STATE  
266 P 0260 1 (LOG,  
267 P 0261 1  
268 P 0262 1 STAOFF, 'OFF',  
269 P 0263 1 STAON, 'ON',  
270 P 0264 1 STAHL, 'HOLD',  
271 P 0265 1  
272 P 0266 1 )  
273 P 0267 1  
274 0268 1 );
```

```

: 276      0269 1 %SBTTL 'MODULE'
: 277      0270 1
: 278      0271 1
: 279      0272 1
: 280      0273 1
: 281      P 0274 1 $STATE (ST_LOG_MOD,
: 282      P 0275 1 ('X25', ST_LOG_X25),
: 283      P 0276 1 ('X29', ST_LOG_X29),
: 284      P 0277 1 (TPAS_EOS, ST_LOG_PMT_MOD),
: 285      0278 1 );
: 286      0279 1
: 287      P 0280 1 $STATE (ST_LOG_PMT_MOD,
: 288      0281 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_LOG_MOD));
: 289      0282 1
: 290      P 0283 1 $STATE (
: 291      P 0284 1 ('X25', ST_LOG_X25),
: 292      P 0285 1 ('X29', ST_LOG_X29),
: 293      P 0286 1 (TPAS_EOS, ST_LOG_PMT_MOD)
: 294      0287 1 );
: 295      0288 1
: 296      P 0289 1 $STATE (ST_LOG_X25,
: 297      0290 1 ('-T'));
: 298      P 0291 1 $STATE (
: 299      P 0292 1 ('PROTOCOL', ST_LOG_PRC, ACT$SAVPRM, , , PBK$G_LOG_MPR),
: 300      P 0293 1 ('SERVER', ST_LOG_PRC, ACT$SAVPRM, , , PBK$G_LOG_MSE),
: 301      0294 1 );
: 302      0295 1
: 303      P 0296 1 $STATE (ST_LOG_X29,
: 304      0297 1 ('-T'));
: 305      P 0298 1 $STATE (
: 306      P 0299 1 ('SERVER', ST_LOG_PRC, ACT$SAVPRM, , , PBK$G_LOG_M9S),
: 307      0300 1 );

```

```
.. 309 0301 1 %SBTTL 'Define Subexpressions'  
.. 310 0302 1  
.. 311 0303 1  
.. 312 0304 1 Define subexpressions from library  
.. 313 0305 1  
.. 314 0306 1  
.. 315 0307 1 SEM_A ! All parameter  
.. 316 0308 1 SEM_FILE_ID ! File id string  
.. 317 0309 1 SEM_EVENT_LIST ! Event List  
.. 318 0310 1 SEM_LINE_ID ! Line id strings  
.. 319 0311 1 SEM_CIRC_ID ! Circuit id strings  
.. 320 0312 1 SEM_NODE_ID ! Node id strings
```


NCPSTAMAC LIS

NCPSTAMSE LIS

NCPSTAMTR LIS

NCPSTAMOD LIS

NCPSTALOR LIS

NCPSTALOO LIS

NCPSTAMPR LIS

NCPSTALOG LIS