



```

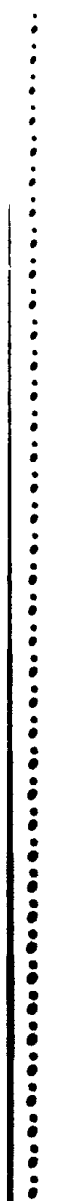
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NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  MM      MM      000000  DDDDDDDD
NN      NN      CC          PP          PP  SS          TT          AA      AA  MMMM  MMMM  00      00  DD      DD
NN      NN      CC          PP          PP  SS          TT          AA      AA  MMMM  MMMM  00      00  DD      DD
NNNN    NN      CC          PP          PP  SS          TT          AA      AA  MM  MM  MM  00      00  DD      DD
NNNN    NN      CC          PP          PP  SS          TT          AA      AA  MM  MM  MM  00      00  DD      DD
NN      NN      NN      CC          PPPPPPPP  SSSSSS      TT          AA      AA  MM      MM  00      00  DD      DD
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NN      NN      NN      CC          PP          SS          TT          AAAAAAAAAA  MM      MM  00      00  DD      DD
NN      NN      NN      CC          PP          SS          TT          AA      AA  MM      MM  00      00  DD      DD
NN      NN      NN      CC          PP          SS          TT          AA      AA  MM      MM  00      00  DD      DD
NN      NN      NN      CC          PP          SS          TT          AA      AA  MM      MM  00      00  DD      DD
NN      NN      NN      CC          PP          SS          TT          AA      AA  MM      MM  00      00  DD      DD
NN      NN      NN      CCCCCCCC  PP          SSSSSSSS  TT          AA      AA  MM      MM  000000  DDDDDDDD
NN      NN      NN      CCCCCCCC  PP          SSSSSSSS  TT          AA      AA  MM      MM  000000  DDDDDDDD

```

```

LL      IIIIII  SSSSSSSS
LL      !IIIII  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 'Modules Configurator, Console, Loader, Looper Parsing'  
2 0002 0 MODULE NCPSTAMOD (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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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 Configurator module parameters  
36 0036 1  
37 0037 1 ENVIRONMENT: VAX/VMS Operating System  
38 0038 1  
39 0039 1 AUTHOR: Bob Grosso October 1982  
40 0040 1  
41 0041 1 MODIFIED BY:  
42 0042 1  
43 0043 1  
44 0044 1 --
```

```
.. 46 0045 1 %SBTTL 'Definitions'
.. 47 0046 1
.. 48 0047 1
.. 49 0048 1 !! INCLUDE FILES:
.. 50 0049 1 !!
.. 51 0050 1
.. 52 0051 1 LIBRARY 'LIBS:NMALIBRY';
.. 53 0052 1 LIBRARY 'LIBS:NCPLIBRY';
.. 54 0053 1 LIBRARY 'SYSSLIBRARY:TPAMAC';
.. 55 0054 1
.. 56 0055 1 !!
.. 57 0056 1 !! EXTERNAL REFERENCES:
.. 58 0057 1 !!
.. 59 0058 1
.. 60 0059 1 ACT_DFN ! Action routine externals
.. 61 0060 1
.. 62 0061 1 EXTERNAL
.. 63 0062 1 NCP$GL_QUALPRS; ! Flag presence of qualifier
.. 64 0063 1
.. 65 0064 1 LITERAL
.. 66 0065 1 QUALPRESENT = 1; ! Flag presence of qualifier on command line
.. 67 0066 1
```

```
69      0067 1 %SBTTL 'Set Parameter blocks'
70      0068 1
71      0069 1
72      0070 1      Set Configurator Parameter Blocks
73      0071 1
74      0072 1
75      P 0073 1      BUILD_PCL
76      P P 0074 1
77      P P 0075 1      (MCF,                ! Module Configurator
78      P P 0076 1
79      P P 0077 1      CIR, TKN,          PCCN_CIR, .
80      P P 0078 1
81      P P 0079 1      SUR, NUMB,        PCCN_SUR, .
82      P P 0080 1
83      P P 0081 1      , END, . . .
84      P 0082 1
85      0083 1      )
86      0084 1
87      0085 1
88      P 0086 1      BUILD_PBK
89      P P 0087 1
90      P P 0088 1      (MCF,                ! Module Configurator
91      P P 0089 1
92      P P 0090 1      CIR, TKN,          ! Circuit is a qualifier
93      P P 0091 1      KCI, LITB, 'NMA$C_ENT_KNO, MCF_CIR, ! Known circuits
94      P P 0092 1
95      P P 0093 1      SUR_ENAB, LITB, NMA$C_SUR_ENA, MCF_SUR,
96      P P 0094 1      SUR_DISAB, LITB, NMA$C_SUR_DIS, MCF_SUR,
97      P 0095 1
98      0096 1      )
99      0097 1
100     0098 1 BIND  PDB$G_MCF_ENT = UPLIT BYTE(0, %ASCIC 'CONFIGLRATOR');
101     0099 1
102     P 0100 1      BUILD_SDB
103     0101 1      (MCF, NMA$C_ENT_MOD, MCF_ENT, MCF)
```



```
133 0129 1  |
134 0130 1  | Set Loader Parameter Blocks
135 0131 1  |
136 0132 1  |
137 P 0133 1  BUILD_PCL
138 P 0134 1  (MLD,
139 P 0135 1  ! Module Loader
140 P 0136 1  ASS, NUMB, PCLD_ASS,
141 P 0137 1  . END, . .
142 P 0138 1  )
143 P 0139 1  )
144 P 0140 1  )
145 0141 1  )
146 0142 1  )
147 0143 1  )
148 P 0144 1  BUILD_PBK
149 P 0145 1  (MLD,
150 P 0146 1  ! Module Loader
151 P 0147 1  ASS_ENAB, LITB, NMA$C_ASS_ENA, MLD_ASS,
152 P 0148 1  ASS_DISAB, LITB, NMA$C_ASS_ENA, MLD_ASS,
153 P 0149 1  )
154 P 0150 1  )
155 0151 1  )
156 0152 1  )
157 0153 1 BIND PDB$G_MLD_ENT = UPLIT BYTE(0, %ASCIC 'LOADER');
158 0154 1
159 P 0155 1 BUILD_SDB
160 0156 1 (MLD, NMA$C_ENT_MOD, MLD_ENT, MLD)
```

```
162 0157 1 |
163 0158 1 | Set Looper Parameter Blocks
164 0159 1 |
165 0160 1 |
166 P 0161 1 | BUILD_PCL
167 P 0162 1 |
168 P 0163 1 | (MLP, ! Module Looper
169 P 0164 1 |
170 P 0165 1 | ASS, NUMB, PCLP_ASS, .
171 P 0166 1 |
172 P 0167 1 | . END, . .
173 P 0168 1 |
174 0169 1 | )
175 0170 1 |
176 P 0171 1 |
177 P 0172 1 | BUILD_PBK
178 P 0173 1 |
179 P 0174 1 | (MLP, ! Module Looper
180 P 0175 1 |
181 P 0176 1 | ASS_ENAB, LITB, NMA$C_ASS_ENA, MLP_ASS,
182 P 0177 1 | ASS_DISAB, LITB, NMA$C_ASS_ENA, MLP_ASS,
183 P 0178 1 |
184 0179 1 | )
185 0180 1 |
186 0181 1 | BIND PDB$G_MLP_ENT = UPLIT BYTE(0, %ASCIC 'LOOPER');
187 0182 1 |
188 P 0183 1 | BUILD_SDB
189 0184 1 | (MLP, NMA$C_ENT_MOD, MLP_ENT, MLP)
```



```
191 0185 1 %SBTTL 'Clear Parameter blocks'
192 0186 1
193 0187 1
194 0188 1 Clear Configurator Parameter Blocks
195 0189 1
196 0190 1
197 0191 1
198 P 0192 1 BUILD_PCL
199 P P 0193 1
200 P P 0194 1 (CCF, ! Module Configurator
201 P P 0195 1
202 P P 0196 1 CIR, TKN, PCCN_CIR, .
203 P P 0197 1
204 P P 0198 1 SUR, LITB, PCCN_SUR, .
205 P P 0199 1
206 P 0200 1 . END, . .
207 P 0201 1
208 0202 1 )
209 0203 1
210 P 0204 1 BUILD_PBK
211 P 0205 1
212 P 0206 1 (CCF, ! Module Configurator
213 P P 0207 1
214 P P 0208 1 ALL, LITB, 0, VRB_ALL,
215 P P 0209 1 CIR, TKN, 0, ! Circuit is a qualifier
216 P 0210 1 KCI, LITB, NMASC_ENT_KNO, CCF_CIR, ! Known circuits
217 P 0211 1
218 P 0212 1 SUR, LITB, 0, .
219 P 0213 1
220 0214 1 )
221 0215 1
222 P 0216 1 BUILD_SDB
223 P 0217 1
224 0218 1 (CCF, NMASC_ENT_MOD, MCF_ENT, CCF)
225 0219 1
226 0220 1
```

```
.. 228 0221 1 !  
.. 229 0222 1 ! Clear Console Parameter Blocks  
.. 230 0223 1 !  
.. 231 0224 1 !  
.. 232 0225 1 !  
.. 233 P 0226 1 BUILD_PCL  
.. 234 P 0227 1  
.. 235 P 0228 1 (CCS, ! Module Console  
.. 236 P 0229 1  
.. 237 P 0230 1 RTR, LITB, PCCO_RTR, ,  
.. 238 P 0231 1  
.. 239 P 0232 1 , END, , ,  
.. 240 P 0233 1  
.. 241 P 0234 1 )  
.. 242 P 0235 1  
.. 243 P 0236 1 BUILD_PBK  
.. 244 P 0237 1  
.. 245 P 0238 1 (CCS, ! Module Console  
.. 246 P 0239 1  
.. 247 P 0240 1 ALL, LITB, 0, VRB_ALL,  
.. 248 P 0241 1  
.. 249 P 0242 1 RTR, LITB, 0, ,  
.. 250 P 0243 1  
.. 251 P 0244 1 )  
.. 252 P 0245 1  
.. 253 P 0246 1 BUILD_SDB  
.. 254 P 0247 1  
.. 255 P 0248 1 (CCS, NMASC_ENT_MOD, MCS_ENT, CCS)  
.. 256 P 0249 1  
.. 257 P 0250 1
```

```
.. 259      0251  1  |
.. 260      0252  1  |
.. 261      0253  1  |
.. 262      0254  1  |
.. 263      0255  1  |
.. 264      P 0256  1  | BUILD_PCL
.. 265      P 0257  1  |
.. 266      P 0258  1  | (CLD,                ! Module Loader
.. 267      P 0259  1  |
.. 268      P 0260  1  |
.. 269      P 0261  1  | ASS, LITB,          PCLD_ASS, .
.. 270      P 0262  1  |
.. 271      P 0263  1  | . END, . . .
.. 272      P 0264  1  |
.. 273      P 0265  1  | )
.. 274      P 0266  1  |
.. 275      P 0267  1  | BUILD_PBK
.. 276      P 0268  1  |
.. 277      P 0269  1  | (CLD,                : Module Loader
.. 278      P 0270  1  |
.. 279      P 0271  1  | ALL, LITB, 0, VRB_ALL,
.. 280      P 0272  1  |
.. 281      P 0273  1  | ASS, LITB, 0, .
.. 282      P 0274  1  |
.. 283      P 0275  1  | )
.. 284      P 0276  1  |
.. 285      P 0277  1  | BUILD_SDB
.. 286      P 0278  1  |
.. 287      P 0279  1  | (CLD, NMASC_ENT_MOD, MLD_ENT, CLD)
.. 288      0280  1  |
.. 289      0281  1  |
```

```
291 0282 1 :  
292 0283 1 : Clear Looper Parameter Blocks  
293 0284 1 :  
294 0285 1 :  
295 0286 1 :  
296 P 0287 1 BUILD_PCL  
297 P 0288 1  
298 P 0289 1 (CLP, ! Module Looper  
299 P 0290 1  
300 P 0291 1 ASS, LITB, PCLP_ASS, ,  
301 P 0292 1  
302 P 0293 1 , END, , ,  
303 P 0294 1  
304 0295 1 )  
305 0296 1  
306 P 0297 1 BUILD_PBK  
307 P 0298 1  
308 P 0299 1 (CLP, ! Module Looper  
309 P 0300 1  
310 P 0301 1 ALL, LITB, 0, VRB_ALL,  
311 P 0302 1  
312 P 0303 1 ASS, LITB, 0, ,  
313 P 0304 1  
314 0305 1 )  
315 0306 1  
316 P 0307 1 BUILD_SDB  
317 P 0308 1  
318 0309 1 (CLP, NMASC_ENT_MOD, MLP_ENT, CLP)  
319 0310 1  
320 0311 1
```

```
.. 322      0312 1 %SBTTL 'Prompt strings'
.. 323      0313 1
.. 324      0314 1
.. 325      0315 1 Build prompt strings
.. 326      0316 1
.. 327      0317 1
.. 328      0318 1 BIND
.. 329      0319 1
.. 330      P 0320 1 PROMPT_STRINGS
.. 331      P 0321 1 (MCF,
.. 332      P 0322 1
.. 333      P 0323 1 DAT, ' (CIRCUIT name, or KNOWN): ',
.. 334      P 0324 1 KWN, ' (CIRCUITS): ',
.. 335      P 0325 1 SUR, 'Surveillance flag (ENABLED, DISABLED): ',
.. 336      P 0326 1
.. 337      0327 1 ),
.. 338      0328 1
.. 339      P 0329 1 PROMPT_STRINGS
.. 340      P 0330 1 (CCF,
.. 341      P 0331 1
.. 342      P 0332 1 DAT, ' (CIRCUIT name, or KNOWN): ',
.. 343      P 0333 1 KWN, ' (CIRCUITS): ',
.. 344      P 0334 1 ALL, 'All Configurator parameters (Y, N): ',
.. 345      P 0335 1
.. 346      P 0336 1 SUR, 'Surveillance flag (Y, N): ',
.. 347      P 0337 1
.. 348      0338 1 );
.. 349      0339 1
.. 350      0340 1
.. 351      0341 1 Module Console prompts
.. 352      0342 1
.. 353      0343 1 BIND
.. 354      0344 1
.. 355      P 0345 1 PROMPT_STRINGS
.. 356      P 0346 1 (MCS,
.. 357      P 0347 1
.. 358      P 0348 1 RTR, 'Reservation timer (1-65535 seconds): ',
.. 359      P 0349 1
.. 360      0350 1 ),
.. 361      0351 1
.. 362      P 0352 1 PROMPT_STRINGS
.. 363      P 0353 1 (CCS,
.. 364      P 0354 1
.. 365      P 0355 1 ALL, 'All Console parameters (Y, N): ',
.. 366      P 0356 1
.. 367      P 0357 1 RTR, 'Reservation timer (Y, N): ',
.. 368      P 0358 1
.. 369      0359 1 );
.. 370      0360 1
.. 371      0361 1
.. 372      0362 1 Module Loader prompts
.. 373      0363 1
.. 374      0364 1 BIND
.. 375      0365 1
.. 376      P 0366 1 PROMPT_STRINGS
.. 377      P 0367 1 (MLD,
.. 378      P 0368 1
```

```
: 379 P 0369 1 ASS, 'Assistance control (ENABLED, DISABLED): ',
: 380 P 0370 1
: 381 0371 1 ),
: 382 0372 1
: 383 P 0373 1 PROMPT_STRINGS
: 384 P P 0374 1 (CLD,
: 385 P P 0375 1
: 386 P P 0376 1 ALL, 'All Loader parameters (Y, N): ',
: 387 P P 0377 1
: 388 P P 0378 1 ASS, 'Assistance control (Y, N): ',
: 389 P 0379 1
: 390 0380 1 );
: 391 0381 1
: 392 0382 1 ...
: 393 0383 1 Module Looper prompts
: 394 0384 1
: 395 0385 1 BIND
: 396 0386 1
: 397 P 0387 1 PROMPT_STRINGS
: 398 P P 0388 1 (MLP,
: 399 P P 0389 1
: 400 P P 0390 1 ASS, 'Assistance control (ENABLED, DISABLED): ',
: 401 P 0391 1
: 402 0392 1 ),
: 403 0393 1
: 404 P 0394 1 PROMPT_STRINGS
: 405 P P 0395 1 (CLP,
: 406 P P 0396 1
: 407 P P 0397 1 ALL, 'All Looper parameters (Y, N): ',
: 408 P P 0398 1
: 409 P P 0399 1 ASS, 'Assistance control (Y, N): ',
: 410 P 0400 1
: 411 0401 1 );
```

```

413 0402 1 %SBTTL 'Declare entry points to TPARSE tables'
414 0403 1
415 0404 1
416 0405 1
417 0406 1
418 0407 1
419 0408 1 $INIT_STATE (NCP$G_STTBL_10D, NCP$G_KYTBL_MOD);
420 0409 1
421 0410 1 FORWARD
422 0411 1     ST_MCF:          VECTOR [0],      : Set Module Configurator
423 0412 1     ST_CCF:          VECTOR [0],      : Clear Module Configurator
424 0413 1     ST_MCS:          VECTOR [0],      : Set Module Console
425 0414 1     ST_CCS:          VECTOR [0],      : Clear Module Console
426 0415 1     ST_MLD:          VECTOR [0],      : Set Module Loader
427 0416 1     ST_CLD:          VECTOR [0],      : Clear Module Loader
428 0417 1     ST_MLP:          VECTOR [0],      : Set Module Looper
429 0418 1     ST_CLP:          VECTOR [0],      : Clear Module Looper
430 0419 1
431 0420 1
432 0421 1 GLOBAL BIND
433 0422 1     NCP$G_STTBL_MODCNF = ST_MCF,
434 0423 1     NCP$G_KYTBL_MODCNF = NCP$G_KYTBL_MOD,
435 0424 1     NCP$G_STTBL_CCF = ST_CCF,
436 0425 1     NCP$G_KYTBL_CCF = NCP$G_KYTBL_MOD,
437 0426 1
438 0427 1     NCP$G_STTBL_MODCNS = ST_MCS,
439 0428 1     NCP$G_KYTBL_MODCNS = NCP$G_KYTBL_MOD,
440 0429 1     NCP$G_STTBL_CCS = ST_CCS,
441 0430 1     NCP$G_KYTBL_CCS = NCP$G_KYTBL_MOD,
442 0431 1
443 0432 1     NCP$G_STTBL_MODLOA = ST_MLD,
444 0433 1     NCP$G_KYTBL_MODLOA = NCP$G_KYTBL_MOD,
445 0434 1     NCP$G_STTBL_CLD = ST_CLD,
446 0435 1     NCP$G_KYTBL_CLD = NCP$G_KYTBL_MOD,
447 0436 1
448 0437 1     NCP$G_STTBL_MODLOO = ST_MLP,
449 0438 1     NCP$G_KYTBL_MODLOO = NCP$G_KYTBL_MOD,
450 0439 1     NCP$G_STTBL_CLP = ST_CLP,
451 0440 1     NCP$G_KYTBL_CLP = NCP$G_KYTBL_MOD;

```

```

453      0441 1
454      0442 1 %SBTTL 'SET Configurator Module Parameters'
455      0443 1
456      0444 1
457      0445 1 SET/DEFINE MODULE Configurator parameter states
458      0446 1
459      0447 1
460      P 0448 1 $STATE (ST_MCF,
461      P 0449 1 ('PAS_EOS),
462      P 0450 1 (TPAS_LAMBDA, ST_MCF_DAT)
463      0451 1 );
464      0452 1
465      P 0453 1 $STATE (
466      0454 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_MCF_DAT));
467      0455 1
468      0456 1
469      0457 1 Configurator is qualified by Circuit or Known Circuits
470      0458 1
471      P 0459 1 $STATE (ST_MCF_DAT,
472      P 0460 1 ('CIRCUIT'),
473      P 0461 1 ('KNOWN', ST_MCF_DAT_KWN),
474      P 0462 1 (TPAS_EOS, ST_MCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_MCF_KCI),
475      0463 1 );
476      0464 1
477      P 0465 1 $STATE (
478      P 0466 1 ((SE_CIRC_ID), ST_MCF_PMT_CIR, ACT$SAVPRM,
479      0467 1 QUALPRESENT, NCP$GL_QUALPRS, PBK$G_MCF_CIR));
480      0468 1
481      P 0469 1 $STATE (ST_MCF_DAT_KWN,
482      0470 1 (TPAS_LAMBDA));
483      0471 1
484      P 0472 1 COMMAND PROMPT
485      P 0473 1 (MCF, KWN, NCP$INVKEY,
486      P 0474 1
487      P 0475 1 ('CIRCUITS', ST_MCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_MCF_KCI),
488      0476 1 )
489      0477 1
490      0478 1 Prompt for circuit parameters
491      0479 1
492      P 0480 1 $STATE (ST_MCF_PMT_CIR,
493      P 0481 1 (TPAS_EOS), ! start prompting if EOS
494      0482 1 (TPAS_LAMBDA, ST_MCF_PRC)); ! Else try parsing parameters
495      0483 1
496      P 0484 1 PROMPT_STATES
497      P 0485 1 (MCF,
498      P 0486 1
499      0487 1 SUR)
500      0488 1
501      0489 1
502      P 0490 1 $STATE (ST_MCF_DOIT,
503      P 0491 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MCF),
504      0492 1 );
505      0493 1

```



```
.. 507 P 0494 1 $STATE (ST_MCF_PRC,  
508 P 0495 1 ((SE_ALE), $T_MCF_DOIT),  
509 P 0496 1  
510 P 0497 1 DISPATCH_STATES  
511 P 0498 1 (MCF,  
512 P 0499 1  
513 P 0500 1 SUR, 'SURVEILLANCE',  
514 P 0501 1  
515 P 0502 1 )  
516 P 0503 1  
517 P 0504 1 ;(TPAS_EOS, ST_MCF_DOIT)  
518 0505 1 ;  
519 0506 1  
520 P 0507 1 $STATE (ST_MCF_SUR,  
521 P 0508 1  
522 P 0509 1 KEYWORD_STATE  
523 P 0510 1 (MCF,  
524 P 0511 1  
525 P 0512 1 SUR_ENAB, 'ENABLED',  
526 P 0513 1 SUR_DISAB, 'DISABLED',  
527 P 0514 1  
528 0515 1 ));  
529 0516 1  
530 0517 1  
531 0518 1  
532 0519 1  
533 P 0520 1 PROCESS_STATES  
534 P 0521 1 (MCF,  
535 P 0522 1  
536 P 0523 1 SUR ,  
537 P 0524 1  
538 0525 1 )  
539 0526 1
```

```

541 0527 1
542 0528 1 %SBTTL 'SET Console Module Parameters'
543 0529 1
544 0530 1
545 0531 1 SET/DEFINE MODULE Console parameter states
546 0532 1
547 0533 1
548 P 0534 1 $STATE (ST_MCS,
549 P 0535 1 (TPAS_EOS),
550 P 0536 1 (TPAS_LAMBDA, ST_MCS_PRC)
551 0537 1 );
552 0538 1
553 0539 1
554 P 0540 1 PROMPT_STATES
555 P 0541 1 (MCS,
556 P 0542 1
557 0543 1 RTR)
558 0544 1
559 0545 1
560 P 0546 1 $STATE (ST_MCS_DOIT,
561 P 0547 1 (TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, , , SDB$G_MCS),
562 0548 1 );
563 0549 1
564 0550 1
565 P 0551 1 $STATE (ST_MCS_PRC,
566 P 0552 1 ((SE_ALC), ST_MCS_DOIT),
567 P 0553 1
568 P 0554 1 DISPATCH_STATES
569 P 0555 1 (MCS,
570 P 0556 1
571 P 0557 1 RTR, 'RESERVATION',
572 P 0558 1
573 P 0559 1 )
574 P 0560 1
575 P 0561 1 (TPAS_EOS, ST_MCS_DOIT)
576 0562 1 );
577 0563 1
578 0564 1
579 0565 1 Process States
580 0566 1
581 P 0567 1 PROCESS_STATES
582 P 0568 1 (MCS,
583 P 0569 1
584 P 0570 1 RTR, 'TIMER',
585 P 0571 1
586 0572 1 )
587 0573 1
588 0574 1
589 0575 1 Subexpression states
590 0576 1
591 P 0577 1 SUB_EXPRESSIONS
592 P 0578 1 (MCS,
593 P 0579 1
594 P 0580 1 RTR, TPAS_DECIMAL,
595 P 0581 1
596 0582 1 )
597 0583 1

```

```

599 0584 1
600 0585 1 %SBTTL 'SET Loader Module Parameters'
601 0586 1
602 0587 1
603 0588 1 SET/DEFINE Loader parameter states
604 0589 1
605 0590 1
606 P 0591 1 $STATE (ST_MLD,
607 PP 0592 1 (TPAS_EOS),
608 P 0593 1 (TPAS_LAMBDA, ST_MLD_PRC)
609 0594 1 );
610 0595 1
611 0596 1
612 P 0597 1 PROMPT_STATES
613 PP 0598 1 (MLD,
614 P 0599 1 ASS)
615 0600 1
616 0601 1
617 0602 1
618 P 0603 1 $STATE (ST_MLD_DOIT,
619 P 0604 1 (TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, , , SDB$G_MLD),
620 0605 1 );
621 0606 1
622 0607 1
623 P 0608 1 $STATE (ST_MLD_PRC,
624 PP 0609 1 ((SE_ALC), ST_MLD_DOIT),
625 PP 0610 1
626 PP 0611 1 DISPATCH_STATES
627 PP 0612 1 (MLD,
628 PP 0613 1 ASS, 'ASSISTANCE',
629 PP 0614 1 )
630 PP 0615 1
631 PP 0616 1
632 PP 0617 1
633 P 0618 1 (TPAS_EOS, ST_MLD_DOIT)
634 0619 1 );
635 0620 1
636 0621 1
637 0622 1 Process States
638 0623 1
639 P 0624 1 PROCESS_STATES
640 PP 0625 1 (MLD,
641 PP 0626 1 ASS, ,
642 P 0627 1 )
643 0628 1
644 0629 1
645 0630 1
646 P 0631 1 $STATE (ST_MLD_ASS,
647 P 0632 1
648 P 0633 1 KEYWORD_STATE
649 P 0634 1 (MLD,
650 P 0635 1
651 P 0636 1 ASS_ENAB, 'ENABLED',
652 P 0637 1 ASS_DISAB, 'DISABLED',
653 P 0638 1
654 0639 1 ));

```

```

656 0640 1
657 0641 1 %SBTTL 'SET Looper Module Parameters'
658 0642 1
659 0643 1
660 0644 1 SET/DEFINE Looper parameter states
661 0645 1
662 0646 1
663 P 0647 1 $STATE (ST_MLP,
664 P 0648 1 (TPAS_EOS),
665 P 0649 1 (TPAS_LAMBDA, ST_MLP_PRC)
666 0650 1 );
667 0651 1
668 0652 1
669 P 0653 1 PROMPT_STATES
670 P 0654 1 (MLP,
671 P 0655 1
672 0656 1 ASS)
673 0657 1
674 0658 1
675 P 0659 1 $STATE (ST_MLP_DOIT,
676 P 0660 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MLP),
677 0661 1 );
678 0662 1
679 0663 1
680 P 0664 1 $STATE (ST_MLP_PRC,
681 P 0665 1 ((SE_ALC), ST_MLP_DOIT),
682 P 0666 1
683 P 0667 1 DISPATCH_STATES
684 P 0668 1 (MLP,
685 P 0669 1 ASS, 'ASSISTANCE',
686 P 0670 1
687 P 0671 1 )
688 P 0672 1
689 P 0673 1
690 P 0674 1 (TPAS_EOS, ST_MLP_DOIT)
691 0675 1 );
692 0676 1
693 0677 1
694 0678 1 Process States
695 0679 1
696 P 0680 1 PROCESS_STATES
697 P 0681 1 (MLP,
698 P 0682 1
699 P 0683 1 ASS, ,
700 P 0684 1
701 0685 1 )
702 0686 1
703 P 0687 1 $STATE (ST_MLP_ASS,
704 P 0688 1
705 P 0689 1 KEYWORD_STATE
706 P 0690 1 (MLP,
707 P 0691 1
708 P 0692 1 ASS_ENAB, 'ENABLED',
709 P 0693 1 ASS_DISAB, 'DISABLED',
710 P 0694 1
711 0695 1 ));

```

```

713 0696 1 %SBTTL 'CLEAR Configurator Module Parameters'
714 0697 1
715 0698 1
716 0699 1 CLEAR/PURGE MODULE Configurator parameter states
717 0700 1
718 0701 1
719 P 0702 1 $STATE (ST_CCF,
720 P 0703 1 (TPAS_EOS),
721 P 0704 1 (TPAS_LAMBDA, ST_CCF_DAT)
722 0705 1 );
723 0706 1
724 P 0707 1 $STATE (
725 0708 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_CCF_DAT));
726 0709 1
727 0710 1
728 0711 1 Configurator is qualified by Circuit or Known Circuits
729 0712 1
730 P 0713 1 $STATE (ST_CCF_DAT,
731 P 0714 1 ('CIRCUIT'),
732 P 0715 1 ('KNOWN', ST_CCF_DAT_KWN),
733 P 0716 1 (TPAS_EOS, ST_CCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_CCF_KCI),
734 0717 1 );
735 0718 1
736 P 0719 1 $STATE (
737 P 0720 1 ((SE_CIRC_ID), ST_CCF_PMT_CIR, ACT$SAVPRM,
738 0721 1 QUALPRESENT, NCP$GL_QUALPRS, PBK$G_CCF_CIR));
739 0722 1
740 P 0723 1 $STATE (ST_CCF_DAT_KWN,
741 0724 1 (TPAS_LAMBDA));
742 0725 1
743 P 0726 1 COMMAND PROMPT
744 P 0727 1 (CCF, KWN, NCP$INVKEY,
745 P 0728 1
746 P 0729 1 ('CIRCUITS', ST_CCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_CCF_KCI),
747 0730 1 )
748 0731 1
749 0732 1 Prompt for circuit parameters
750 0733 1
751 P 0734 1 $STATE (ST_CCF_PMT_CIR,
752 P 0735 1 (TPAS_EOS), ! start prompting if EOS
753 0736 1 (TPAS_LAMBDA, ST_CCF_PRC)); ! Else try parsing parameters
754 0737 1
755 P 0738 1 QUERY_STATES
756 P 0739 1 (CCF,
757 P 0740 1
758 0741 1 ALL, SUR)
759 0742 1
760 0743 1
761 P 0744 1 $STATE (ST_CCF_DOIT,
762 P 0745 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CCF),
763 0746 1 );
764 0747 1

```

```
.. 766 P 0748 1 $STATE (ST_CCF_PRC,  
.. 767 P 0749 1 ((SE_ALC), ST_CCF_DOIT),  
.. 768 P 0750 1  
.. 769 P 0751 1 DISPATCH_STATES  
.. 770 P 0752 1 (CCF,  
.. 771 P 0753 1  
.. 772 P 0754 1 SUR, 'SURVEILLANCE',  
.. 773 P 0755 1  
.. 774 P 0756 1 )  
.. 775 P 0757 1  
.. 776 P 0758 1 (TPAS_EOS, ST_CCF_DOIT)  
.. 777 P 0759 1 );  
.. 778 0760 1  
.. 779 0761 1  
.. 780 0762 1  
.. 781 0763 1 :  
.. 782 0764 1 Process States  
.. 783 P 0765 1 PROCESS_STATES  
.. 784 P 0766 1 (CCF,  
.. 785 P 0767 1  
.. 786 P 0768 1 SUR ,  
.. 787 P 0769 1 )  
.. 788 0770 1  
.. 789 0771 1  
.. 790 0772 1 :  
.. 791 0773 1 Subexpression states  
.. 792 0774 1  
.. 793 0775 1  
.. 794 P 0776 1 SUB_EXPRESSIONS  
.. 795 P 0777 1 (CCF,  
.. 796 P 0778 1  
.. 797 P 0779 1 ALL, TPAS_EOS,  
.. 798 P 0780 1 SUR, TPAS_LAMBDA,  
.. 799 P 0781 1  
.. 800 0782 1 )
```

```
802 0783 1 %SBTTL 'CLEAR Console Module Parameters'
803 0784 1
804 0785 1
805 0786 1
806 0787 1
807 0788 1
808 P 0789 1 $STATE (ST_CCS,
809 P 0790 1 (TPAS_EOS),
810 P 0791 1 (TPAS_LAMBDA, ST_CCS_PRC)
811 0792 1 );
812 0793 1
813 0794 1
814 P 0795 1 QUERY_STATES
815 P 0796 1 (CCS,
816 P 0797 1
817 0798 1 ALL, RTR)
818 0799 1
819 0800 1
820 P 0801 1 $STATE (ST_CCS_DOIT,
821 P 0802 1 (TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, . . SDB$G_CCS),
822 0803 1 );
823 0804 1
824 0805 1
825 P 0806 1 $STATE (ST_CCS_PRC,
826 P 0807 1 ((SE_ALC), ST_CCS_DOIT),
827 P 0808 1
828 P 0809 1 DISPATCH_STATES
829 P 0810 1 (CCS,
830 P 0811 1
831 P 0812 1 RTR, 'RESERVATION',
832 P 0813 1
833 P 0814 1 )
834 P 0815 1
835 P 0816 1 (TPAS_EOS, ST_CCS_DOIT)
836 0817 1 );
837 0818 1
838 0819 1
839 0820 1
840 0821 1
841 0822 1
842 P 0823 1 Process States
843 P 0824 1 PROCESS_STATES
844 P 0825 1 (CCS,
845 P 0826 1
846 P 0827 1 RTR, 'TIMER',
847 0828 1 )
848 0829 1
849 0830 1
850 0831 1
851 0832 1
852 0833 1
853 P 0834 1 Subexpression states
854 P 0835 1 SUB_EXPRESSIONS
855 P 0836 1 (CCS,
856 P 0837 1
857 P 0838 1 ALL, TPAS_EOS,
858 P 0839 1 RTR, TPAS_LAMBDA,
```

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V04-000

Modules Configurator, Console, Loader, Looper P E 10  
CLEAR Console Module Parameters 16-Sep-1984 00:46:46  
14-Sep-1984 12:48:28

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0840 1 )

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```
861 0841 1 %SBTTL 'CLEAR Loader Module Parameters'
862 0842 1
863 0843 1
864 0844 1 CLEAR/PURGE MODULE Loader parameter states
865 0845 1
866 0846 1
867 P 0847 1 %STATE (ST_CLD,
868 P 0848 1 (TPAS_EOS),
869 P 0849 1 (TPAS_LAMBDA, ST_CLD_PRC)
870 0850 1 );
871 0851 1
872 0852 1
873 P 0853 1 QUERY_STATES
874 P 0854 1 (CLD,
875 P 0855 1
876 0856 1 ALL, ASS)
877 0857 1
878 0858 1
879 P 0859 1 %STATE (ST_CLD_DOIT,
880 P 0860 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CLD),
881 0861 1 );
882 0862 1
883 0863 1
884 P 0864 1 %STATE (ST_CLD_PRC,
885 P 0865 1 ((SE_ALC), ST_CLD_DOIT),
886 P 0866 1
887 P 0867 1 DISPATCH_STATES
888 P 0868 1 (CLD,
889 P 0869 1
890 P 0870 1 ASS, 'ASSISTANCE',
891 P 0871 1
892 P 0872 1 )
893 P 0873 1
894 P 0874 1 (TPAS_EOS, ST_CLD_DOIT)
895 0875 1 );
896 0876 1
897 0877 1
898 0878 1
899 0879 1 Process States
900 0880 1
901 P 0881 1 PROCESS_STATES
902 P 0882 1 (CLD,
903 P 0883 1
904 P 0884 1 ASS, .
905 P 0885 1
906 0886 1 )
907 0887 1
908 0888 1
909 0889 1 Subexpression states
910 0890 1
911 0891 1
912 P 0892 1 SUB_EXPRESSIONS
913 P 0893 1 (CLD,
914 P 0894 1
915 P 0895 1 ALL, TPAS_EOS,
916 P 0896 1 ASS, TPAS_LAMBDA,
917 P 0897 1
```

NCPSTAMOD  
V04-000

Modules Configurator, Console, Loader, Looper P 6 10  
CLEAR Loader Module Parameters 16-Sep-1984 00:46:46  
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0898 1 )

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920      0899 1 %SBTTL 'CLEAR Looper Module Parameters'
921      0900 1
922      0901 1
923      0902 1
924      0903 1
925      0904 1
926      P 0905 1 $STATE (ST_CLP,
927      P 0906 1 (TPAS_EOS),
928      P 0907 1 (TPAS_LAMBDA, ST_CLP_PRC)
929      0908 1 );
930      0909 1
931      0910 1
932      P 0911 1 QUERY_STATES
933      P 0912 1 (CLP,
934      P 0913 1
935      0914 1 ALL, ASS)
936      0915 1
937      0916 1
938      P 0917 1 $STATE (ST_CLP_DOIT,
939      P 0918 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CLP),
940      0919 1 );
941      0920 1
942      0921 1
943      P 0922 1 $STATE (ST_CLP_PRC,
944      P 0923 1 ((SE_ALC), ST_CLP_DOIT),
945      P 0924 1
946      P 0925 1 DISPATCH_STATES
947      P 0926 1 (CLP,
948      P 0927 1
949      P 0928 1 ASS, 'ASSISTANCE',
950      P 0929 1
951      P 0930 1 )
952      P 0931 1
953      P 0932 1 (TPAS_EOS, ST_CLP_DOIT)
954      0933 1 );
955      0934 1
956      0935 1
957      0936 1
958      0937 1
959      0938 1
960      P 0939 1 PROCESS_STATES
961      P 0940 1 (CLP,
962      P 0941 1
963      P 0942 1 ASS, .
964      P 0943 1
965      0944 1 )
966      0945 1
967      0946 1
968      0947 1
969      0948 1
970      0949 1
971      P 0950 1 SUB_EXPRESSIONS
972      P 0951 1 (CLP,
973      P 0952 1
974      P 0953 1 ALL, TPAS_EOS,
975      P 0954 1 ASS, TPAS_LAMBDA,
976      P 0955 1

```

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V04-000

Modules Configurator, Console, Loader, Looper P 10  
CLEAR Looper Module Parameters 16-Sep-1984 00:46:46  
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0956 1 )

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```
: 979 0957 1 %SBTTL 'Define Subexpressions'  
: 980 0958 1  
: 981 0959 1  
: 982 0960 1 Define Subexpressions from Library  
: 983 0961 1  
: 984 0962 1  
: 985 0963 1 SEM_ALL ! All parameter  
: 986 0964 1 SEM_CIRC_ID ! Circuit name  
: 987 0965 1 SEM_LINE_ID  
: 988 0966 1 SEM_QUERY ! Query state subexpressions
```

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V04-000

Modules Configurator, Console, Loader, Looper P  
Define Subexpressions

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0967 1 END  
0968 0 ELUDOM

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