

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	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	

```

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

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
LLLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIII  SSSSSSSS
```

```
0001 0 XTITLE 'Circuit Parameter Parse States and Data'
0002 0 MODULE NCPSTACIR (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 circuit parameters
0036 1
0037 1 ENVIRONMENT: VAX/VMS Operating System
0038 1
0039 1 AUTHOR: Tim Halvorsen, June 1981
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1 V03-013 RPG0012 Bob Grosso 06-Oct-1982
0044 1 Change Transport type PHASE II to ROUTING III.
0045 1
0046 1 V03-012 RPG0012 Bob Grosso 21-Sep-1982
0047 1 Alter prompting if circuit type is X25.
0048 1
0049 1 V03-011 RPG0011 Bob Grosso 03-Sep-1982
0050 1 Add new transport types.
0051 1
0052 1 V03-010 RPG0010 Bob Grosso 28-Jun-1982
0053 1 Change MAX BLOCK to MAX DATA.
0054 1
0055 1 V009 TMH0009 Tim Halvorsen 10-May-1982
0056 1 Add circuit MRT and RPR parameters for NI support.
0057 1 Add OWNER parameter.
```


58	0058	1		
59	0059	1	V008	TMH0008 Tim Halvorsen 08-Mar-1982
60	0060	1		Only prompt for "essential" and "important" parameters.
61	0061	1		
62	0062	1	V007	TMH0007 Tim Halvorsen 20-Jan-1982
63	0063	1		Add TRANSPORT TYPE parameter.
64	0064	1		Disable prompting of X25 parameters.
65	0065	1		
66	0066	1	V006	TMH0006 Tim Halvorsen 08-Jan-1982
67	0067	1		Remove TMH0003, thus restoring RETRANSMIT TIMER
68	0068	1		back to a line parameter, which is what NM V3.0
69	0069	1		finally came up with.
70	0070	1		
71	0071	1	V005	TMH0005 Tim Halvorsen 15-Aug-1981
72	0072	1		Add CIRCUIT VERIFICATION parameter.
73	0073	1		
74	0074	1	V004	TMH0004 Tim Halvorsen 11-Aug-1981
75	0075	1		Remove fix to TYPE keywords in TMH0002, since
76	0076	1		only the X25 value may be written using that
77	0077	1		parameter - all the rest of the values are read-only.
78	0078	1		
79	0079	1	V003	TMH0003 Tim Halvorsen 05-Aug-1981
80	0080	1		Make RETRANSMIT TIMER a circuit parameter rather
81	0081	1		than a line parameter.
82	0082	1		
83	0083	1	V002	TMH0002 Tim Halvorsen 30-Jul-1981
84	0084	1		Fix keywords accepted for TYPE parameter.
85	0085	1		Fix parameter code used for TRIBUTARY.
86	0086	1		
87	0087	1	V001	TMH0001 Tim Halvorsen 07-Jul-1981
88	0088	1		Add MAXIMUM TRANSMITS
89	0089	1		


```

: 91 0090 1 %SBTTL 'Definitions'
: 92 0091 1
: 93 0092 1
: 94 0093 1 INCLUDE FILES:
: 95 0094 1
: 96 0095 1
: 97 0096 1 LIBRARY 'LIB$:NMALIBRY';
: 98 0097 1 LIBRARY 'LIB$:NCPLIBRY';
: 99 0098 1 LIBRARY 'SYSS$LIBRARY:TPAMAC';
100 0099 1
101 0100 1
102 0101 1 EXTERNAL REFERENCES:
103 0102 1
: 104 0103 1
: 105 0104 1 ACT_DFN ! Action routine externals

```

```
107 0105 1 %SBTTL 'Parameter blocks'
108 0106 1
109 0107 1
110 0108 1
111 0109 1
112 0110 1
113 0111 1
114 0112 1
115 0113 1
116 0114 1
117 P 0115 1 BUILD_PCL
118 P 0116 1
119 P 0117 1 (CIR,
120 P 0118 1
121 P 0119 1 STA, NUMB, PCCI-STA,
122 P 0120 1 SER, NUMB, PCCI-SER,
123 P 0121 1 CTM, NUMB, PCCI-LCT,
124 P 0122 1 COS, NUMB, PCCI-COS,
125 P 0123 1 MRT, NUMB, PCCI-MRT,
126 P 0124 1 RPR, NUMB, PCCI-RPR,
127 P 0125 1 HET, NUMB, PCCI-HET,
128 P 0126 1 LIT, NUMB, PCCI-LIT,
129 P 0127 1 BLK, NUMB, PCCI-BLK,
130 P 0128 1 MRC, NUMB, PCCI-MRC,
131 P 0129 1 RCT, NUMB, PCCI-RCT,
132 P 0130 1 NUM, TKN, PCCI-NUM,
133 P 0131 1 POL, NUMB, PCCI-POL,
134 P 0132 1 OWN, ENT, PCCI-OWN,
135 P 0133 1 LIN, TKN, PCCI-LIN,
136 P 0134 1 USE, NUMB, PCCI-USE,
137 P 0135 1 TYP, NUMB, PCCI-TYP,
138 P 0136 1 DTE, TKN, PCCI-DTE,
139 P 0137 1 CHN, NUMB, PCCI-CHN,
140 P 0138 1 MBL, NUMB, PCCI-MBL,
141 P 0139 1 MWI, NUMB, PCCI-MWI,
142 P 0140 1 TRI, NUMB, PCCI-TRI,
143 P 0141 1 BBT, NUMB, PCCI-BBT,
144 P 0142 1 TRT, NUMB, PCCI-TRT,
145 P 0143 1 MRB, NUMB, PCCI-MRB,
146 P 0144 1 MTR, NUMB, PCCI-MTR,
147 P 0145 1 ACB, NUMB, PCCI-ACB,
148 P 0146 1 ACI, NUMB, PCCI-ACI,
149 P 0147 1 IAB, NUMB, PCCI-IAB,
150 P 0148 1 IAI, NUMB, PCCI-IAI,
151 P 0149 1 IAT, NUMB, PCCI-IAT,
152 P 0150 1 DYB, NUMB, PCCI-DYB,
153 P 0151 1 DYI, NUMB, PCCI-DYI,
154 P 0152 1 DYT, NUMB, PCCI-DYT,
155 P 0153 1 DTH, NUMB, PCCI-DTH,
156 P 0154 1 VER, NUMB, PCCI-VER,
157 P 0155 1 XPT, NUMB, PCCI-XPT,
158 P 0156 1
159 P 0157 1 , END, , ,
160 P 0158 1 )
161 0159 1
162 0160 1
163 P 0161 1 BUILD_PBK
```



```
164 P 0162 1
165 P 0163 1
166 P 0164 1
167 P 0165 1
168 P 0166 1
169 P 0167 1
170 P 0168 1
171 P 0169 1
172 P 0170 1
173 P 0171 1
174 P 0172 1
175 P 0173 1
176 P 0174 1
177 P 0175 1
178 P 0176 1
179 P 0177 1
180 P 0178 1
181 P 0179 1
182 P 0180 1
183 P 0181 1
184 P 0182 1
185 P 0183 1
186 P 0184 1
187 P 0185 1
188 P 0186 1
189 P 0187 1
190 P 0188 1
191 P 0189 1
192 P 0190 1
193 P 0191 1
194 P 0192 1
195 P 0193 1
196 P 0194 1
197 P 0195 1
198 P 0196 1
199 P 0197 1
200 P 0198 1
201 P 0199 1
202 P 0200 1
203 P 0201 1
204 P 0202 1
205 P 0203 1
206 P 0204 1
207 P 0205 1
208 P 0206 1
209 P 0207 1
210 P 0208 1
211 P 0209 1
212 P 0210 1
213 P 0211 1
214 P 0212 1
215 P 0213 1
216 P 0214 1
217 P 0215 1
218 P 0216 1
219 0217 1
220 0218 1

(CIR,
STAON, LITB, NMASC_STATE_ON, CIR_STA,
STAOFF, LITB, NMASC_STATE_OFF, CIR_STA,
STASVC, LITB, NMASC_STATE_SER, CIR_STA,
SERENA, LITB, NMASC_LINSV_ENA, CIR_SER,
SERDIS, LITB, NMASC_LINSV_DIS, CIR_SER,
CTM, NUMW, , ,
COS, NUMB, , ,
MRT, NUMB, , ,
RPR, NUMB, , ,
HET, NUMW, , ,
LIT, NUMW, , ,
BLKENA, LITB, NMASC_CIRBLK_ENA, CIR_BLK,
BLKDIS, LITB, NMASC_CIRBLK_DIS, CIR_BLK,
MRC, NUMB, , ,
RCT, NUMW, , ,
NUM, TKN, , ,
POLAUT, LITB, NMASC_CIRPST_AUT, CIR_POL,
POLACT, LITB, NMASC_CIRPST_ACT, CIR_POL,
POLINA, LITB, NMASC_CIRPST_INA, CIR_POL,
POLDIE, LITB, NMASC_CIRPST_DIE, CIR_POL,
POLDED, LITB, NMASC_CIRPST_DED, CIR_POL,
OWNEXE, LITL, NMASC_ENT_NOD OR (0 ^ 8), CIR_OWN,
LIN, TKN, , ,
USEPER, LITB, NMASC_CIRUS_PER, CIR_USE,
USEINC, LITB, NMASC_CIRUS_INC, CIR_USE,
USEOUT, LITB, NMASC_CIRUS_OUT, CIR_USE,
TYPX25, LITB, NMASC_CIRTY_X25, CIR_TYP,
DTE, TKN, , ,
CHN, NUMW, , ,
MBL, NUMW, , ,
MWI, NUMB, , ,
TRI, NUMB, , ,
BBT, NUMW, , ,
TRT, NUMW, , ,
MRB, NUMB, , ,
MRBUNL, LITB, 255, CIR_MRB,
MTR, NUMB, , ,
ACB, NUMB, , ,
ACI, NUMB, , ,
IAB, NUMB, , ,
IAI, NUMB, , ,
IAT, NUMB, , ,
DYB, NUMB, , ,
DYI, NUMB, , ,
DYT, NUMB, , ,
DTH, NUMB, , ,
VERENA, LITB, NMASC_CIRVE_ENA, CIR_VER,
VERDIS, LITB, NMASC_CIRVE_DIS, CIR_VER,
XPTPH2, LITB, NMASC_CIRXPT_PH2, CIR_XPT,
XPTRO3, LITB, NMASC_CIRXPT_RO3, CIR_XPT,
XPTNR4, LITB, NMASC_CIRXPT_NR4, CIR_XPT,
)
```


NCPSTACIR
V04-000

Circuit Parameter Parse States and Data
Parameter blocks

M 7
15-Sep-1984 23:58:57
14-Sep-1984 12:48:17

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

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: 221
: 222
: 223
P 0219 1 BUILD_SDB
P 0220 1
0221 1 (CIR, NMASC_ENT_CIR, VRB_ENT, CIR)

```
225 0222 1 %SBTTL 'Prompt strings'
226 0223 1
227 0224 1
228 0225 1
229 0226 1
230 0227 1
231 0228 1 BIND
232 P 0229 1 PROMPT_STRINGS
233 P 0230 1 (CIR,
234 P 0231 1
235 P 0232 1 STA, 'Circuit state (ON, OFF, SERVICE): ',
236 P 0233 1 SER, 'Service mode (ENABLED, DISABLED): ',
237 P 0234 1 CTM, 'Counter timer (1-65535 seconds): ',
238 P 0235 1 COS, 'Cost of circuit (1-125): ',
239 P 0236 1 HET, 'Hello timer (1-65535 seconds): ',
240 P 0237 1 LIT, 'Listen timer (1-65535 seconds): ',
241 P 0238 1 BLK, 'Blocking (ENABLED, DISABLED): ',
242 P 0239 1 MRC, 'Maximum recalls (0-255): ',
243 P 0240 1 RCT, 'Recall timer (1-65535 seconds): ',
244 P 0241 1 NUM, 'Number (1-16 digits): ',
245 L 0242 1 POL, %STRING('Polling state (AUTOMATIC, ACTIVE, CRLF,
246 P 0243 1 INACTIVE, DYING, DEAD): ',
247 P 0244 1 OWN, 'Owner (EXECUTOR NODE): ',
248 P 0245 1 LIN, 'Line ID (1-16 characters): ',
249 P 0246 1 USE, 'Usage (INCOMING, OUTGOING, PERMANENT): ',
250 P 0247 1 TYP, 'Type (X25 or <CR>): ',
251 P 0248 1 VER, 'Verification (ENABLED, DISABLED): ',
252 P 0249 1 XPT, 'Transport type (PHASE II, ROUTING III): ',
253 P 0250 1 DTE, 'X.25 DTE address (1-16 digits): ',
254 P 0251 1 CHN, 'X.25 channel number (0-4095): ',
255 P 0252 1 MBL, 'X.25 maximum data size (1-65535): ',
256 P 0253 1 MWI, 'X.25 maximum window size (1-255 blocks): ',
257 P 0254 1 TRI, 'Tributary address (0-255): ',
258 P 0255 1 BBT, 'Babble timer (1-65535 milliseconds): ',
259 P 0256 1 TRT, 'Transmit timer (0-65535 milliseconds): ',
260 P 0257 1 MRB, 'Maximum buffers (1-254, UNLIMITED): ',
261 P 0258 1 MTR, 'Maximum transmits (1-255 messages): ',
262 P 0259 1 ACB, 'Active base priority (0-255): ',
263 P 0260 1 ACI, 'Active priority increment (0-255): ',
264 P 0261 1 IAB, 'Inactive base priority (0-255): ',
265 P 0262 1 IAI, 'Inactive priority increment (0-255): ',
266 P 0263 1 IAT, 'Inactive threshold (0-255): ',
267 P 0264 1 DYB, 'Dying base priority (0-255): ',
268 P 0265 1 DYI, 'Dying priority increment (0-255): ',
269 P 0266 1 DYT, 'Dying threshold (0-255): ',
270 P 0267 1 DTH, 'Dead threshold (0-255): ',
271 P 0268 1
272 0269 1 );
```



```
274 0270 1 %SBTTL 'State table for circuit parameters'
275 0271 1
276 0272 1 $INIT_STATE(NCP$G_STTBL_CIR, NCP$G_KYTBL_CIR);
277 0273 1
278 0274 1
279 0275 1 SET/DEFINE CIRCUIT parameters
280 0276 1
281 0277 1
282 P 0278 1 $STATE (ST_CIR,
283 P 0279 1 ((SE_ALL), ST_CIR_DOIT), ! ALL parameter
284 P 0280 1 (TPAS_EOS, , ACT$PMT_ON), ! Prompt if no keywords
285 P 0281 1 (TPAS_LAMBDA, ST_CIR_PRC, ACT$PMT_OFF) ! Process keywords
286 0282 1 );
287 0283 1
288 0284 1
289 0285 1 Find out whether circuit type is X25
290 0286 1
291 0287 1
292 P 0288 1 $STATE (ST_CIR_PMT_TYP,
293 0289 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_CIR_TYP));
294 P 0290 1 $STATE (
295 P 0291 1 (TPAS_SYMBOL, ST_CIR_DOIT, ACT$PMTDONEQ),
296 P 0292 1 ((ST_CIR_TYP), ST_CIR_PMT_TYP_X25),
297 P 0293 1 (TPAS_EOS, ST_CIR_PMT_TYP_CR),
298 P 0294 1 (TPAS_LAMBDA, ST_CIR_PMT_TYP, ACT$SIGNAL, , , NCP$_INVVAL)
299 0295 1 );
300 0296 1
301 0297 1
302 0298 1 Prompting when TYP was <CR>
303 0299 1
304 P 0300 1 $STATE (ST_CIR_PMT_TYP_CR,
305 0301 1 (TPAS_LAMBDA));
306 0302 1
307 P 0303 1 PROMPT_STATES
308 P 0304 1 (CIR,
309 P 0305 1
310 P 0306 1 STA, COS, TRI,
311 P 0307 1 ! BLK, LIN
312 0308 1 )
313 0309 1
314 P 0310 1 $STATE (
315 P 0311 1 (TPAS_LAMBDA, ST_CIR_DOIT)
316 0312 1 );
317 0313 1
318 0314 1
319 0315 1 Prompting when TYP was X25
320 0316 1
321 P 0317 1 $STATE (ST_CIR_PMT_TYP_X25,
322 0318 1 (TPAS_LAMBDA));
323 0319 1
324 P 0320 1 PROMPT_STATES
325 P 0321 1 (CIR,
326 P 0322 1
327 P 0323 1 USE, OWN, POL, DTE, CHN, NUM, MRC, RCT, MBL, MWI,
328 0324 1 )
329 0325 1
330 P 0326 1 $STATE (ST_CIR_DOIT,
```


NCPSTACIR
V04-000

Circuit Parameter Parse States and Data
State table for circuit parameters

C 8
15-Sep-1984 23:58:57
14-Sep-1984 12:48:17

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

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: 331
: 332

P 0327 1
0328 1

(TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, , , SDBSG_CIR)
);

NCP
V04

```
.. 334      0329 1 %SBTTL 'Dispatch on parameter keywords'
.. 335      0330 1
.. 336      0331 1
.. 337      0332 1
.. 338      0333 1
.. 339      0334 1
.. 340      P 0335 1 $STATE (ST_CIR_PRC,
.. 341      P 0336 1
.. 342      P 0337 1 DISPATCH_STATES
.. 343      P 0338 1 (CIR,
.. 344      P 0339 1
.. 345      P 0340 1 ACT, 'ACTIVE',
.. 346      P 0341 1 BBT, 'BABBLE',
.. 347      P 0342 1 BLK, 'BLOCKING',
.. 348      P 0343 1 CHN, 'CHANNEL',
.. 349      P 0344 1 COS, 'COST',
.. 350      P 0345 1 CTM, 'COUNTER',
.. 351      P 0346 1 DTH, 'DEAD',
.. 352      P 0347 1 DTE, 'DTE',
.. 353      P 0348 1 DYE, 'DYING',
.. 354      P 0349 1 HET, 'HELLO',
.. 355      P 0350 1 IAC, 'INACTIVE',
.. 356      P 0351 1 LIN, 'LINE',
.. 357      P 0352 1 LIT, 'LISTEN',
.. 358      P 0353 1 MAX, 'MAXIMUM',
.. 359      P 0354 1 NUM, 'NUMBER',
.. 360      P 0355 1 OWN, 'OWNER',
.. 361      P 0356 1 POL, 'POLLING',
.. 362      P 0357 1 RCT, 'RECALL',
.. 363      P 0358 1 RPR, 'ROUTER',
.. 364      P 0359 1 SER, 'SERVICE',
.. 365      P 0360 1 STA, 'STATE',
.. 366      P 0361 1 TRT, 'TRANSMIT',
.. 367      P 0362 1 XPT, 'TRANSPORT',
.. 368      P 0363 1 TRI, 'TRIBUTARY',
.. 369      P 0364 1 TYP, 'TYPE',
.. 370      P 0365 1 USE, 'USAGE',
.. 371      P 0366 1 VER, 'VERIFICATION',
.. 372      P 0367 1
.. 373      P 0368 1 ),
.. 374      P 0369 1
.. 375      P 0370 1 (TPA$_EOS, ST_CIR_DOIT)
.. 376      0371 1 );
```



```
.. 378      0372 1
.. 379      0373 1
.. 380      0374 1      Dispatch on MAXIMUM keyword
.. 381      0375 1
.. 382      0376 1
.. 383      P 0377 1 $STATE (ST_CIR_PRC_MAX,
.. 384      P 0378 1
.. 385      P 0379 1      DISPATCH_STATES
.. 386      P 0380 1      (CIR,
.. 387      P 0381 1
.. 388      P 0382 1      MBL, 'DATA',
.. 389      P 0383 1      MRB, 'BUFFERS',
.. 390      P 0384 1      MRC, 'RECALLS',
.. 391      P 0385 1      MRT, 'ROUTERS',
.. 392      P 0386 1      MTR, 'TRANSMITS',
.. 393      P 0387 1      MWI, 'WINDOW',
.. 394      P 0388 1
.. 395      0389 1      ));
.. 396      0390 1
.. 397      0391 1
.. 398      0392 1      Dispatch on ACTIVE keyword
.. 399      0393 1
.. 400      0394 1
.. 401      P 0395 1 $STATE (ST_CIR_PRC_ACT,
.. 402      P 0396 1
.. 403      P 0397 1      DISPATCH_STATES
.. 404      P 0398 1      (CIR,
.. 405      P 0399 1
.. 406      P 0400 1      ACB, 'BASE',
.. 407      P 0401 1      ACI, 'INCREMENT',
.. 408      P 0402 1
.. 409      0403 1      ));
.. 410      0404 1
.. 411      0405 1
.. 412      0406 1      Dispatch for INACTIVE keyword
.. 413      0407 1
.. 414      0408 1
.. 415      P 0409 1 $STATE (ST_CIR_PRC_IAC,
.. 416      P 0410 1
.. 417      P 0411 1      DISPATCH_STATES
.. 418      P 0412 1      (CIR,
.. 419      P 0413 1
.. 420      P 0414 1      IAB, 'BASE',
.. 421      P 0415 1      IAI, 'INCREMENT',
.. 422      P 0416 1      IAT, 'THRESHOLD',
.. 423      P 0417 1
.. 424      0418 1      ));
.. 425      0419 1
.. 426      0420 1
.. 427      0421 1      Dispatch for DYING keyword
.. 428      0422 1
.. 429      0423 1
.. 430      P 0424 1 $STATE (ST_CIR_PRC_DYE,
.. 431      P 0425 1
.. 432      P 0426 1      DISPATCH_STATES
.. 433      P 0427 1      (CIR,
.. 434      P 0428 1
```

NCPSTACIR
V04-000

Circuit Parameter Parse States and Data
Dispatch on parameter keywords

F 8
15-Sep-1984 23:58:57
14-Sep-1984 12:48:17

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

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```
.. 435
.. 436
.. 437
.. 438
.. 439

P 0429 1      DYB, 'BASE',
P 0430 1      DYI, 'INCREMENT',
P 0431 1      DYT, 'THRESHOLD',
P 0432 1
  0433 1      ));
```

NCP
V04


```
.. 441      0434 1
.. 442      0435 1
.. 443      0436 1
.. 444      0437 1
.. 445      0438 1
.. 446      0439 1
.. 447      P 0440 1
.. 448      P 0441 1
.. 449      P 0442 1
.. 450      P 0443 1
.. 451      P 0444 1
.. 452      P 0445 1
.. 453      P 0446 1
.. 454      P 0447 1
.. 455      P 0448 1
.. 456      P 0449 1
.. 457      P 0450 1
.. 458      P 0451 1
.. 459      P 0452 1
.. 460      P 0453 1
.. 461      P 0454 1
.. 462      P 0455 1
.. 463      P 0456 1
.. 464      P 0457 1
.. 465      P 0458 1
.. 466      P 0459 1
.. 467      P 0460 1
.. 468      P 0461 1
.. 469      P 0462 1
.. 470      P 0463 1
.. 471      P 0464 1
.. 472      P 0465 1
.. 473      P 0466 1
.. 474      P 0467 1
.. 475      P 0468 1
.. 476      P 0469 1
.. 477      P 0470 1
.. 478      P 0471 1
.. 479      P 0472 1
.. 480      P 0473 1
.. 481      P 0474 1
.. 482      P 0475 1
.. 483      P 0476 1
.. 484      P 0477 1
.. 485      P 0478 1
.. 486      P 0479 1
.. 487      P 0480 1
.. 488      0481 1

These states take care of noise words
and call the subexpressions to do the work

PROCESS_STATES
(CIR,

STA, ,
SER, ,
CTM, 'TIMER',
COS, ,
MRT, , ! From MAX
RPR, 'PRIORITY',
HET, 'TIMER',
LIT, 'TIMER',
BLK, ,
MRC, , ! From MAX
RCT, 'TIMER',
NUM, ,
POL, 'STATE',
OWN, ,
LIN, ,
USE, ,
TYP, ,
DTE, ,
CHN, ,
MBL, , ! From MAX
MWI, , ! From MAX
TRI, ,
BBT, 'TIMER',
TRT, 'TIMER',
MRB, , ! From MAX
MTR, , ! From MAX
ACB, , ! From ACT
ACI, , ! From ACT
IAB, , ! From IAC
IAI, , ! From IAC
IAT, , ! From IAC
DYB, , ! From DYE
DYI, , ! From DYE
DYT, , ! From DYE
DTH, 'THRESHOLD',
VER, ,
XPT, 'TYPE',
)
```

```

: 490      0482 1
: 491      0483 1
: 492      0484 1
: 493      0485 1
: 494      0486 1
: 495      P 0487 1
: 496      P 0488 1
: 497      P 0489 1
: 498      P 0490 1
: 499      P 0491 1
: 500      P 0492 1
: 501      P 0493 1
: 502      P 0494 1
: 503      P 0495 1
: 504      P 0496 1
: 505      P 0497 1
: 506      P 0498 1
: 507      P 0499 1
: 508      P 0500 1
: 509      P 0501 1
: 510      P 0502 1
: 511      P 0503 1
: 512      P 0504 1
: 513      P 0505 1
: 514      P 0506 1
: 515      P 0507 1
: 516      P 0508 1
: 517      P 0509 1
: 518      P 0510 1
: 519      P 0511 1
: 520      P 0512 1
: 521      P 0513 1
: 522      P 0514 1
: 523      P 0515 1
: 524      P 0516 1
: 525      P 0517 1
: 526      P 0518 1
: 527      P 0519 1
: 528      P 0520 1
: 529      0521 1

      These subexpressions store away the parameter values

      SUB EXPRESSIONS
      (CIR,

      CTM, TPAS_DECIMAL,
      COS, TPAS_DECIMAL,
      MRT, TPAS_DECIMAL,
      RPR, TPAS_DECIMAL,
      HET, TPAS_DECIMAL,
      LIT, TPAS_DECIMAL,
      MRC, TPAS_DECIMAL,
      RCT, TPAS_DECIMAL,
      NUM, (SE_DTE_NUMBER),
      LIN, (SE_LINE_ID),
      DTE, (SE_DTE_NUMBER),
      CHN, TPAS_DECIMAL,
      MBL, TPAS_DECIMAL,
      MWI, TPAS_DECIMAL,
      TRI, TPAS_DECIMAL,
      BBT, TPAS_DECIMAL,
      TRT, TPAS_DECIMAL,
      MTR, TPAS_DECIMAL,
      ACB, TPAS_DECIMAL,
      ACI, TPAS_DECIMAL,
      IAB, TPAS_DECIMAL,
      IAI, TPAS_DECIMAL,
      IAT, TPAS_DECIMAL,
      DYB, TPAS_DECIMAL,
      DYI, TPAS_DECIMAL,
      DYT, TPAS_DECIMAL,
      DTH, TPAS_DECIMAL,

      XTPH2, TPAS_LAMBDA,
      XPTRO3, TPAS_LAMBDA,
      XPTNR4, TPAS_LAMBDA,
      )
```



```
531 0522 1
532 0523 1
533 0524 1 Circuit state
534 0525 1
535 0526 1
536 P 0527 1 $STATE (ST_CIR_STA,
537 P 0528 1
538 P 0529 1 KEYWORD_STATE
539 P 0530 1 (CIR,
540 P 0531 1 STAOFF, 'OFF',
541 P 0532 1 STAON, 'ON',
542 P 0533 1 STASVC, 'SERVICE',
543 0534 1 ));
544 0535 1
545 0536 1
546 0537 1 Circuit service mode
547 0538 1
548 0539 1
549 P 0540 1 $STATE (ST_CIR_SER,
550 P 0541 1
551 P 0542 1 KEYWORD_STATE
552 P 0543 1 (CIR,
553 P 0544 1 SERENA, 'ENABLED',
554 P 0545 1 SERDIS, 'DISABLED',
555 0546 1 ));
556 0547 1
557 0548 1
558 0549 1 Circuit blocking mode
559 0550 1
560 0551 1
561 P 0552 1 $STATE (ST_CIR_BLK,
562 P 0553 1
563 P 0554 1 KEYWORD_STATE
564 P 0555 1 (CIR,
565 P 0556 1 BLKENA, 'ENABLED',
566 P 0557 1 BLKDIS, 'DISABLED',
567 0558 1 ));
568 0559 1
569 0560 1
570 0561 1 Circuit polling state
571 0562 1
572 0563 1
573 P 0564 1 $STATE (ST_CIR_POL,
574 P 0565 1
575 P 0566 1 KEYWORD_STATE
576 P 0567 1 (CIR,
577 P 0568 1 POLAUT, 'AUTOMATIC',
578 P 0569 1 POLACT, 'ACTIVE',
579 P 0570 1 POLINA, 'INACTIVE',
580 P 0571 1 POLDIE, 'DYING',
581 P 0572 1 POLDED, 'DEAD',
582 0573 1 ));
583 0574 1
584 0575 1
585 0576 1 Circuit usage
586 0577 1
587 0578 1
```

```
588 P 0579 1 $STATE (ST_CIR_USE,  
589 P 0580 1  
590 P 0581 1 KEYWORD_STATE  
591 P 0582 1 (CIR,  
592 P 0583 1 USEINC, 'INCOMING',  
593 P 0584 1 USEOUT, 'OUTGOING',  
594 P 0585 1 USEPER, 'PERMANENT',  
595 0586 1 ));  
596 0587 1  
597 0588 1  
598 0589 1  
599 0590 1  
600 0591 1  
601 P 0592 1 $STATE (ST_CIR_TYP,  
602 P 0593 1  
603 P 0594 1 KEYWORD_STATE  
604 P 0595 1 (CIR,  
605 P 0596 1 TYPX25, 'X25',  
606 0597 1 ));  
607 0598 1  
608 0599 1  
609 0600 1  
610 0601 1  
611 0602 1  
612 P 0603 1 $STATE (ST_CIR_VER,  
613 P 0604 1  
614 P 0605 1 KEYWORD_STATE  
615 P 0606 1 (CIR,  
616 P 0607 1 VERENA, 'ENABLED',  
617 P 0608 1 VERDIS, 'DISABLED',  
618 0609 1 ));  
619 0610 1  
620 0611 1  
621 0612 1  
622 0613 1  
623 0614 1  
624 P 0615 1 $STATE (ST_CIR_XPT,  
625 P 0616 1  
626 P 0617 1 ('NONROUTING', ST_CIR_XPTNON),  
627 P 0618 1 ('PHASE', ST_CIR_XPTPHA),  
628 P 0619 1 ('ROUTING', ST_CIR_XPTROU),  
629 0620 1 );  
630 0621 1  
631 P 0622 1 $STATE (ST_CIR_XPTNON,  
632 P 0623 1 ('1', ST_CIR_XPTNR4),  
633 0624 1 );  
634 0625 1  
635 P 0626 1 $STATE (ST_CIR_XPTPHA,  
636 P 0627 1 ('1', ST_CIR_XPTPH2),  
637 P 0628 1 ('2', ST_CIR_XPTPH2),  
638 0629 1 );  
639 0630 1  
640 P 0631 1 $STATE (ST_CIR_XPTROU,  
641 P 0632 1 ('1', ST_CIR_XPTRO3),  
642 P 0633 1 ('3', ST_CIR_XPTRO3),  
643 0634 1 );  
644 0635 1
```



```
: 645      0636 1 !
: 646      0637 1 !
: 647      0638 1 !
: 648      0639 1 !
: 649      P 0640 1 $STATE (ST_CIR_MRB,
: 650      P 0641 1 ('UNLIMITED', TPAS_EXIT, ACT$SAVPRM,,, PBK$G_CIR_MRBUNL),
: 651      P 0642 1 (TPAS_DECIMAL, TPAS_EXIT, ACT$SAVPRM,,, PBK$G_CIR_MRB)
: 652      0643 1 );
: 653      0644 1 !
: 654      0645 1 !
: 655      0646 1 !
: 656      0647 1 !
: 657      0648 1 !
: 658      P 0649 1 $STATE (ST_CIR_OWN,
: 659      P 0650 1 KEYWORD_STATE
: 660      P 0651 1 (CIR,
: 661      P 0652 1 OWNEXE, 'EXECUTOR',
: 662      P 0653 1 );
: 663      0654 1
```

NCPSTACIR
V04-000

Circuit Parameter Parse States and Data
Define shared subexpressions

L 8
15-Sep-1984 23:58:57
14-Sep-1984 12:48:17

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

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```
: 665      0655 1 %SBTTL 'Define shared subexpressions'
: 666      0656 1
: 667      0657 1
: 668      0658 1
: 669      0659 1
: 670      0660 1
: 671      0661 1
: 672      0662 1
: 673      0663 1
: 674      0664 1

                Define Subexpressions from Library

                SEM_ALL           : All parameter
                SEM_LINE_ID       : Device name string
                SEM_NODE_ID       : Circuit owner id
                SEM_DTE_NUMBER    : DTE call number
```


NCPSTACIR
V04-000

Circuit Parameter Parse States and Data
Object Listing of Parse Table

M 8
15-Sep-1984 23:58:57
14-Sep-1984 12:48:17

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

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```
: 676      0665 1 %SBTTL 'Object Listing of Parse Table'
: 677      0666 1
: 678      0667 1 END                                !End of module
: 679      0668 0 ELUDOM
```


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VAX/VMS V4.0

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