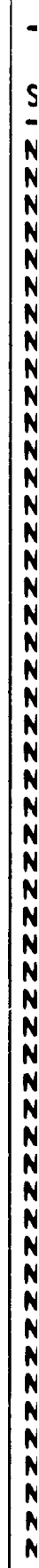


```

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             PPNPPPPPPPPP
NNN      NNN      NNN      CCC             PPNPPPPPPPPP
NNN      NNN      NNN      CCC             PPNPPPPPPPPP
NNN      NNN      NNN      CCC             PPN
NNN      NNN      NNN      CCC             PPN
NNN      NNN      NNN      CCC             PPN
NNN      NNN      NNN      CCC             PPN
NNN      NNN      NNN      CCC             PPN
NNN      NNN      CCCCCCCCCCCC      PPN
NNN      NNN      CCCCCCCCCCCC      PPN
NNN      NNN      CCCCCCCCCCCC      PPN

```



```

NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  000000  88888888  JJ
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  000000  88888888  JJ
NN      NN      CC        PP        PP  SS        TT        AA        AA  00        00  88        88  JJ
NN      NN      CC        PP        PP  SS        TT        AA        AA  00        00  88        88  JJ
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  00        00  88        88  JJ
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  00        00  88        88  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CC        P          SSSSSS    TT        AA        AA  00        00  88888888  JJ
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  000000  88888888  JJJJJJ  .....
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  000000  88888888  JJJJJJ  .....

```

```

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
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```



```

1 0001 0 %TITLE 'Object Parameter Parse States and Data'
2 0002 0 MODULE NCPSTAOBJ (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 *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
22 0022 1 *
23 0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
25 0025 1 *
26 0026 1 *****
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 object parameters
36 0036 1
37 0037 1 ENVIRONMENT: VAX/VMS Operating System
38 0038 1
39 0039 1 AUTHOR: Darrell Duffy , CREATION DATE: 10-September-79
40 0040 1
41 0041 1 MODIFIED BY:
42 0042 1
43 0043 1 V03-002 RPG0002 Bob Grosso 19-Feb-1983
44 0044 1 Add PROXY 'REQUIRED'.
45 0045 1
46 0046 1 V001 TMH0001 Tim Halvorsen 02-Jun-1982
47 0047 1 Fix PROXY ACCESS parameter to allow ACCESS as a noise word.
48 0048 1 --

```

```
.. 50      0049 1 %SBTTL 'Definitions'  
.. 51      0050 1  
.. 52      0051 1  
.. 53      0052 1 : INCLUDE FILES:  
.. 54      0053 1 :  
.. 55      0054 1  
.. 56      0055 1     LIBRARY 'LIBS:NMALIBRY.L32':  
.. 57      0056 1     LIBRARY 'LIBS:NCPLIBRY.L32':  
.. 58      0057 1     LIBRARY 'SYSS:LIBRARY:TPAMAC.L32':  
.. 59      0058 1  
.. 60      0059 1 :  
.. 61      0060 1 : EXTERNAL REFERENCES:  
.. 62      0061 1 :  
.. 63      0062 1  
.. 64      0063 1     ACT_DFN           ! Action routine externals
```

```
66      0064 1 %SBTTL 'Parameter blocks'
67      0065 1
68      0066 1
69      0067 1
70      0068 1
71      0069 1
72      P 0070 1 BUILD_PCL
73      P P 0071 1
74      P P 0072 1 (OBJ,
75      P P 0073 1
76      P P 0074 1 NUM, NUMB, PCOB_NUM,
77      P P 0075 1 FIL, TKN, PCOB_FID,
78      P P 0076 1 PRV, PRVL, PCOB_PRV,
79      P P 0077 1 USR, TKNQ, PCOB_USR,
80      P P 0078 1 ACC, TKNQ, PCOB_ACC,
81      P P 0079 1 PSW, TKNQ, PCOB_PSW,
82      P P 0080 1 PRX, NUMB, PCOB_PRX,
83      P P 0081 1
84      P P 0082 1 . END, . .
85      P 0083 1
86      0084 1 )
87      0085 1
88      P 0086 1 BUILD_PBK
89      P P 0087 1
90      P P 0088 1 (OBJ,
91      P P 0089 1
92      P P 0090 1 NUM, NUMB,
93      P P 0091 1 FIL, TKN,
94      P P 0092 1 PRV, PRVL,
95      P P 0093 1 USR, TKNQ,
96      P P 0094 1 ACC, TKNQ,
97      P P 0095 1 PSW, TKNQ,
98      P P 0096 1 CPV, PRVC, OBJ PRV,
99      P P 0097 1 PRXNON, LITB, NMASC_ACES_NONE, OBJ_PRX,
100     P P 0098 1 PRXINC, LITB, NMASC_ACES_INCO, OBJ_PRX,
101     P P 0099 1 PRXOUT, LITB, NMASC_ACES_OUTG, OBJ_PRX,
102     P P 0100 1 PRXBOT, LITB, NMASC_ACES_BOTH, OBJ_PRX,
103     P P 0101 1 PRXREQ, LITB, NMASC_ACES_REQU, OBJ_PRX,
104     P 0102 1
105     0103 1 )
106     0104 1
107     P 0105 1 BUILD_SDB
108     P 0106 1
109     0107 1 (OBJ, -NMASC_SENT_OBJ, VRB_ENT, OBJ)
```

```
111 0108 1 %SBTTL 'Prompt strings'  
112 0109 1  
113 0110 1  
114 0111 1 Build prompt strings  
115 0112 1  
116 0113 1  
117 0114 1 BIND  
118 0115 1  
119 P 0116 1 PROMPT_STRINGS  
120 P 0117 1 (OBJ,  
121 P 0118 1  
122 P 0119 1 FIL, 'File name (filename): ',  
123 P 0120 1 NUM, 'Object number (0-255): ',  
124 P 0121 1 PRV, 'Privileges (List of VMS privileges): ',  
125 P 0122 1 USR, 'User ID (1-39 characters): ',  
126 P 0123 1 PSW, 'Password (1-39 characters): ',  
127 P 0124 1 ACC, 'Account (1-39 characters): ',  
128 P 0125 1 PRX, %STRING(  
129 P 0126 1 'Proxy access (INCOMING, OUTGOING,  
130 P 0127 1 ' BOTH, NONE, REQUIRED): '),  
131 P 0128 1  
132 0129 2 )  
133 0130 1 ;
```

```

135 0131 1 %SBTTL 'State Table for Object Parameters'
136 0132 1
137 0133 1 $INIT_STATE (NCP$G_STTBL_OBJ, NCP$G_KYTBL_OBJ);
138 0134 1
139 0135 1
140 0136 1 SET/DEFINE OBJECT Parameter States
141 0137 1
142 0138 1
143 P 0139 1 $STATE (ST_OBJ,
144 P 0140 1 ( (SE_ALL), ST_OBJ_DOIT), ! All parameter
145 P 0141 1 (TPAS_EOS, , ACT$PMT_ON); ! Prompt if no keywords
146 P 0142 1 (TPAS_LAMBDA, ST_OBJ_PRC, ACT$PMT_OFF) ! Process keywords
147 0143 1 );
148 0144 1
149 P 0145 1 PROMPT_STATES ! Prompt for these parameters
150 P 0146 1 (OBJ,
151 P 0147 1 NUM, FIL, PRV, USR, PSW, ACC, PRX
152 0148 1 )
153 0149 1
154 P 0150 1 $STATE (ST_OBJ_DOIT,
155 P 0151 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_OBJ),
156 0152 1 );

```

```
158 0153 1 %SBTTL 'Dispatch States'  
159 0154 1  
160 0155 1  
161 0156 1  
162 0157 1  
163 0158 1  
164 F 0159 1 $STATE (ST_OBJ_PRC,  
165 P 0160 1  
166 P 0161 1 DISPATCH_STATES  
167 P 0162 1 (OBJ,  
168 P 0163 1  
169 P 0164 1 ACC, 'ACCOUNT',  
170 P 0165 1 FIL, 'FILE',  
171 P 0166 1 NUM, 'NUMBER',  
172 P 0167 1 PRV, 'PRIVILEGES',  
173 P 0168 1 PSW, 'PASSWORD',  
174 P 0169 1 PRX, 'PROXY',  
175 P 0170 1 USR, 'USER',  
176 P 0171 1  
177 P 0172 1 )  
178 P 0173 1 ;(TPAS_EOS, ST_OBJ_DOIT)  
179 0174 1 ;  
180 0175 1  
181 0176 1 %SBTTL 'Process States'  
182 0177 1  
183 0178 1  
184 0179 1  
185 0180 1  
186 0181 1  
187 P 0182 1 PROCESS_STATES  
188 P 0183 1 (OBJ,  
189 P 0184 1  
190 P 0185 1 ACC, .  
191 P 0186 1 FIL, .  
192 P 0187 1 NUM, .  
193 P 0188 1 PRV, .  
194 P 0189 1 PSW, .  
195 P 0190 1 PRX, 'ACCESS',  
196 P 0191 1 USR, .  
197 P 0192 1  
198 0193 1 )
```



```
: 200      0194 1 %SBTTL 'Subexpressions'  
: 201      0195 1  
: 202      0196 1  
: 203      0197 1  
: 204      0198 1  
: 205      0199 1  
: 206      P 0200 1      SUB_EXPRESSIONS  
: 207      P 0201 1      (OBJ,  
: 208      P 0202 1  
: 209      P 0203 1      ACC, (SE_ACC_ACC),  
: 210      P 0204 1      FIL, (SE_FILE_ID),  
: 211      P 0205 1      NUM, TPAS_DECIMAL,  
: 212      P 0206 1      PSW, (SE_ACC_PSW),  
: 213      P 0207 1      USR, (SE_ACC_USR),  
: 214      P 0208 1  
: 215      0209 1      )
```

.....

```
.. 217      0210 1 %SBTTL 'Subexpressions for Privilege List'  
.. 218      0211 1  
.. 219      0212 1  
.. 220      0213 1 Subexpression for a privilege list  
.. 221      0214 1  
.. 222      0215 1  
.. 223      P 0216 1 $STATE (ST_OBJ_PRIV,  
.. 224      P 0217 1 (TPAS_EXIT, TPAS_EXIT),  
.. 225      P 0218 1 (TPAS_LAMBDA, , ACTSSAVPRM, , , PBKSG_OBJ_CPV)  
.. 226      0219 1 );  
.. 227      0220 1  
.. 228      P 0221 1 $STATE (  
.. 229      P 0222 1 ( (SE_PRIV) )  
.. 230      0223 1 );  
.. 231      0224 1  
.. 232      P 0225 1 $STATE (ST_PRIV_1,  
.. 233      P 0226 1 ( (SE_PRIV), ST_PRIV_1),  
.. 234      P 0227 1 (TPAS_LAMBDA, TPAS_EXIT)  
.. 235      0228 1 );  
.. 236      0229 1  
.. 237      P 0230 1 $STATE (SE_PRIV,  
.. 238      P 0231 1 (TPAS_SYMBOL, TPAS_EXIT, ACTSSAVPRM, , , PBKSG_OBJ_PRIV)  
.. 239      0232 1 );
```

```
.. 241      0233  1
... 242      0234  1  |
... 243      0235  1  | Parse PROXY value.
... 244      0236  1  |
... 245      0237  1  |
... 246      P 0238  1  $STATE (ST_OBJ_PRX,      . Object proxy access
... 247      P 0239  1
... 248      P 0240  1  KEYWORD_STATE
... 249      P 0241  1  (OBJ,
... 250      P 0242  1
... 251      P 0243  1  PRXNON, 'NONE',
... 252      P 0244  1  PRXINC, 'INCOMING',
... 253      P 0245  1  PRXOUT, 'OUTGOING',
... 254      P 0246  1  PRXBOT, 'BOTH',
... 255      P 0247  1  PRXREQ, 'REQUIRED',
.. 256      0248  1  ));
```

```
: 258 0249 1 %SBTTL 'Define Subexpressions from Library'
: 259 0250 1
: 260 0251 1 !
: 261 0252 1 ! Define subexpressions from library
: 262 0253 1 !
: 263 0254 1 !
: 264 0255 1 SEM_ACCESS ! Access control strings
: 265 0256 1 SEM_ALL ! All parameter
: 266 0257 1 SEM_FILE_ID ! File id strings
: 267 0258 1 SEM_QUOT_STR ! Quoted strings
```

.....

```
: 269      0259 1 %SBTTL 'Object Listing of Parse Table'  
: 270      0260 1  
: 271      0261 1 END                                !End of module  
: 272      0262 0 ELUDOM
```

.....

0271 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

