

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	DDDDDDDD	UU	UU	MM	MM
NN	NN	CCCCCCCC	PPPPPPPP	SSSSSSSS	TTTTTTTTTT	AAAAAA	DDDDDDDD	UU	UU	MM	MM
NN	NN	CC	PP	PP	SS	AA	AA	DD	DD	UU	UU
NN	NN	CC	PP	PP	SS	AA	AA	DD	DD	UU	UU
NNNN	NN	CC	PP	PP	SS	AA	AA	DD	DD	UU	UU
NNNN	NN	CC	PP	PP	SS	AA	AA	DD	DD	UU	UU
NN	NN	CC	PPPPPPPP	SSSSSS	TTTT	AA	AA	DD	DD	UU	UU
NN	NN	CC	PPPPPPPP	SSSSSS	TTTT	AA	AA	DD	DD	UU	UU
NN	NNNN	CC	PP	SS	TTTT	AAAAAAAAAA	DD	DD	UU	UU	UU
NN	NNNN	CC	PP	SS	TTTT	AAAAAAAAAA	DD	DD	UU	UU	UU
NN	NN	CC	PP	SS	TTTT	AA	AA	DD	DD	UU	UU
NN	NN	CC	PP	SS	TTTT	AA	AA	DD	DD	UU	UU
NN	NN	CC	PP	SS	TTTT	AA	AA	DD	DD	UU	UU
NN	NN	CCCCCCCC	PP	SSSSSSSS	TTTT	AA	AA	DDDDDDDD	UUUUUUUUUU	MM	MM
NN	NN	CCCCCCCC	PP	SSSSSSSS	TTTT	AA	AA	DDDDDDDD	UUUUUUUUUU	MM	MM

```

LL          IIIIII
LL          IIIIII
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LLLLLLLLLL IIIIII
LLLLLLLLLL IIIIII
SSSSSSSS
SSSSSSSS
SS
SS
SS
SS
SSSSSS
SSSSSS
SS
SS
SS
SS
SSSSSSSS
SSSSSSSS

```

```
0001 0 %TITLE 'Dump Parse States and Data'
0002 0 MODULE NCPSTADUM (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 dump 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      V001      TMH0001      Tim Halvorsen   22-Jun-1981
0044 1      Change BUILD_SDB reference to use full entity type field.
0045 1      Change to dump via circuit, not line.
0046 1 --
```



```

: 48 0047 1 %SBTTL 'Definitions'
: 49 0048 1
: 50 0049 1
: 51 0050 1
: 52 0051 1
: 53 0052 1
: 54 0053 1
: 55 0054 1
: 56 0055 1
: 57 0056 1
: 58 0057 1
: 59 0058 1
: 60 0059 1
: 61 0060 1
: 62 0061 1
```

INCLUDE FILES:

```
LIBRARY 'LIB$:NMALIBRY';
LIBRARY 'LIB$:NCPLIBRY';
LIBRARY 'SYSS$LIBRARY:TPAMAC';
```

EXTERNAL REFERENCES:

ACT_DFN

! External symbols for action routines

```
.. 64      0062 1 %SBTTL 'Parameter blocks'
.. 65      0063 1
.. 66      0064 1
.. 67      0065 1 BIND DATA:
.. 68      0066 1
.. 69      0067 1
.. 70      0068 1
.. 71      0069 1 Parameter Blocks
.. 72      0070 1
.. 73      0071 1
.. 74      P 0072 1 BUILD_PCL
.. 75      P P 0073 1
.. 76      P P 0074 1 (DUM,
.. 77      P P 0075 1
.. 78      P P 0076 1 ADR, NUML, PCNO_DAD, ,
.. 79      P P 0077 1 COU, NUML, PCNO_DCT, ,
.. 80      P P 0078 1 TO, TKN, PCNO_DUM, ,
.. 81      P P 0079 1 SDF, TKN, PCNO_SDU, ,
.. 82      P P 0080 1 SLI, TKN, PCNO_SLI, ,
.. 83      P P 0081 1 SPW, HXPS, PCNO_SPA, ,
.. 84      P 0082 1 , END, , ,
.. 85      P 0083 1
.. 86      0084 1 )
.. 87      0085 1
.. 88      P 0086 1 BUILD_PCL
.. 89      P P 0087 1
.. 90      P P 0088 1 (DUM,
.. 91      P P 0089 1
.. 92      P P 0090 1 ADR, NUML, PCNO_DAD, DUM_ADR,
.. 93      P P 0091 1 COU, NUML, PCNO_DCT, DUM_COU,
.. 94      P P 0092 1 TO, TKN, PCNO_DUM, DUM_TO,
.. 95      P P 0093 1 SDF, TKN, PCNO_SDU, DUM_SDF,
.. 96      P P 0094 1 SPW, HXPS, PCNO_SPA, DUM_SPW,
.. 97      P 0095 1 , END, , ,
.. 98      P 0096 1
.. 99      0097 1 )
100      0098 1
101      P 0099 1 BUILD_PBK
102      P P 0100 1
103      P P 0101 1 (DUM,
104      P P 0102 1
105      P P 0103 1 ADR, NUML, , ,
106      P P 0104 1 COU, NUML, , ,
107      P P 0105 1 NOD, NADR, , VRB_ENT,
108      P P 0106 1 VIA, TKN, , VRB_ENT,
109      P P 0107 1 TO, TKN, , ,
110      P P 0108 1 SDF, TKN, , ,
111      P P 0109 1 SLI, TKN, , ,
112      P P 0110 1 SPW, HXPS, , ,
113      P 0111 1
114      0112 1 )
115      0113 1
116      P 0114 1 BUILD_SDB
117      P P 0115 1
118      0116 1 (DUM, NMASC_ENT_NOD, VRB_ENT, DUM)
119      0117 1
120      P 0118 1 BUILD_SDB
```


NCPSTADUM
V04-000

Dump Parse States and Data
Parameter blocks

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: 121
: 122
P 0119 1
0120 1
(DUV, NMASC_ENT_CIR, DUM_SLI, DUV)

```

: 124      0121 1 %SBTTL 'Prompt strings'
: 125      0122 1
: 126      0123 1
: 127      0124 1 Build prompt strings
: 128      0125 1
: 129      0126 1
: 130      0127 1 BIND
: 131      0128 1
: 132      P 0129 1 PROMPT_STRINGS
: 133      P 0130 1 (DUM,
: 134      P 0131 1
: 135      P 0132 1 ENT, ' (NODE node-id, VIA circuit-name): ',
: 136      P 0133 1 NOD, 'Node to dump (node-name, address): ',
: 137      P 0134 1 VIA, 'Circuit to node (circuit-name): ',
: 138      P 0135 1
: 139      0136 2 )
: 140      0137 1 ;

```



```
: 142      0138 1 %SBTTL 'State Table Entry'
: 143      0139 1
: 144      0140 1 $INIT_STATE (NCP$G_STTBL_DUM, NCP$G_KYTBL_DUM);
: 145      0141 1
: 146      0142 1
: 147      0143 1
: 148      0144 1
: 149      0145 1
: 150      0146 1
: 151      0147 1
: 152      0148 1
: 153      0149 1
: 154      P 0150 1 COMMAND PROMPT
: 155      P 0151 1 (DUM, ENT, NCP$_INVKEY,
: 156      P 0152 1
: 157      P 0153 1 ('NODE', ST_DUM_NOD),
: 158      P 0154 1 ('VIA', ST_DUM_VIA)
: 159      P 0155 1
: 160      0156 1 )
: 161      0157 1
: 162      0158 1
: 163      0159 1
: 164      0160 1
: 165      0161 1
: 166      P 0162 1 COMMAND PROMPT
: 167      P 0163 1 (DUM, NOD, NCP$_INVVAL,
: 168      P 0164 1
: 169      P 0165 1 ( (SE_NODE_ID), ST_DUM_DOIT, ACT$SAVPRM, , , PBK$G_DUM_NOD)
: 170      P 0166 1
: 171      0167 1 )
: 172      0168 1
: 173      P 0169 1 $STATE (ST_DUM_DOIT,
: 174      P 0170 1 ( (ST_DUM_PRM) )
: 175      0171 1 );
: 176      0172 1
: 177      P 0173 1 $STATE (
: 178      P 0174 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_DUM)
: 179      0175 1 );
: 180      0176 1
: 181      0177 1
: 182      0178 1
: 183      0179 1
: 184      0180 1
: 185      0181 1
: 186      P 0182 1 COMMAND PROMPT
: 187      P 0183 1 (DUM, VIA, NCP$_INVVAL,
: 188      P 0184 1
: 189      P 0185 1 ( (SE_LINE_ID), ST_DUM_PRM, ACT$SAVPRM, NMA$C_ENT_CIR,
: 190      P 0186 1 NCP$GL_OPTION, PBR$G_DUM_SLI)
: 191      P 0187 1
: 192      0188 1 )
: 193      0189 1
: 194      P 0190 1 $STATE (ST_DUM_DOIT,
: 195      P 0191 1 ( (ST_DUM_PRM) )
: 196      0192 1 );
: 197      0193 1
: 198      P 0194 1 $STATE (,
```


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V04-000

Dump Parse States and Data
State Table Entry

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: 199
: 200

P 0195 1
0196 1

(TPAS_EOS, TPAS_EXIT, ACT\$VRB_UTILITY, , , SDB\$G_DUV)
);

```

: 202      0197 1 %SBTTL 'Dump Parameters'
: 203      0198 1
: 204      0199 1
: 205      0200 1
: 206      0201 1
: 207      0202 1
: 208      P 0203 1 $STATE (ST_DUM_PRM,
: 209      P 0204 1 (TPAS_EOS, TPAS_EXIT, ACTSSAVPRM, , , PBK$G_VRB_ALL),
: 210      P 0205 1 (TPAS_LAMBDA)
: 211      0206 1 );
: 212      0207 1
: 213      P 0208 1 $STATE (ST_DUM_PRC,
: 214      P 0209 1
: 215      P 0210 1 DISPATCH_STATES
: 216      P 0211 1 (DUM,
: 217      P 0212 1
: 218      P 0213 1 ADR, 'ADDRESS',
: 219      P 0214 1 COU, 'COUNT',
: 220      P 0215 1 PSW, 'PASSWORD',
: 221      P 0216 1 SDF, 'SECONDARY',
: 222      P 0217 1 SPW, 'SERVICE',
: 223      P 0218 1 TO, 'TO',
: 224      P 0219 1 SLI, 'VIA',
: 225      P 0220 1
: 226      P 0221 1 )
: 227      P 0222 1
: 228      P 0223 1 (TPAS_EOS, TPAS_EXIT)
: 229      0224 1 );
: 230      0225 1
: 231      0226 1 %SBTTL 'Process States'
: 232      0227 1
: 233      0228 1
: 234      0229 1
: 235      0230 1
: 236      0231 1
: 237      P 0232 1 PROCESS_STATES
: 238      P 0233 1 (DUM,
: 239      P 0234 1
: 240      P 0235 1 ADR, ,
: 241      P 0236 1 COU, ,
: 242      P 0237 1 PSW, ,
: 243      P 0238 1 SDF, 'DUMPER',
: 244      P 0239 1 SLI, ,
: 245      P 0240 1 SPW, 'PASSWORD',
: 246      P 0241 1 TO, ,
: 247      P 0242 1
: 248      0243 1 )
: 249      0244 1
: 250      0245 1
: 251      0246 1 %SBTTL 'Subexpressions'
: 252      0247 1
: 253      0248 1
: 254      0249 1
: 255      0250 1
: 256      0251 1
: 257      P 0252 1 SUB_EXPRESSIONS
: 258      P 0253 1 (DUM,
```


:	259	P	0254	1			
:	260	P	0255	1		ADR, TPAS_HEX,	
:	261	P	0256	1		COU, TPAS_DECIMAL,	
:	262	P	0257	1		SDF, (SE_FILE_ID),	
:	263	P	0258	1		SLI, (SE_LINE_ID),	
:	264	P	0259	1		SPW, (SE_HEX_PSW),	
:	265	P	0260	1		TO, (SE_FILE_ID),	
:	266	P	0261	1			
:	267		0262	1		)	
:	268		0263	1			
:	269	P	0264	1	\$STATE	(ST_DUM_PSW,	! Another state for password
:	270	P	0265	1		(TPAS_LAMBDA, ST_DUM_SPW)	
:	271		0266	1		);	

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Dump Parse States and Data
Define Subexpressions from Library

D 16
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```
: 273      0267 1 %SBTTL 'Define Subexpressions from Library'
: 274      0268 1
: 275      0269 1 !
: 276      0270 1 ! Define subexpressions from library
: 277      0271 1 !
: 278      0272 1 !
: 279      0273 1 SEM_FILE_ID ! File id strings
: 280      0274 1 SEM_HEX_PSW ! Hex password
: 281      0275 1 SEM_LINE_ID ! Line id strings
: 282      0276 1 SEM_NODE_ID ! Node id strings
```


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Dump Parse States and Data
Object Listing of Parse Table

E 16
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:	284	0277	1	%SBTTL	'Object Listing of Parse Table'	
:	285	0278	1			
:	286	0279	1	END	!End of module	
:	287	0280	0	ELUDOM		

0269 AH-BT13A-SE
VAX/VMS V4.0

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