

NNN		NNN	MMM		MMM	LLL
NNN		NNN	MMM		MMM	LLL
NNN		NNN	MMM		MMM	LLL
NNN		NNN	MMMMMM		MMMMMM	LLL
NNN		NNN	MMMMMM		MMMMMM	LLL
NNN		NNN	MMMMMM		MMMMMM	LLL
NNNNNN		NNN	MMM	MMM	MMM	LLL
NNNNNN		NNN	MMM	MMM	MMM	LLL
NNNNNN		NNN	MMM	MMM	MMM	LLL
NNN	NNN	NNN	MMM		MMM	LLL
NNN	NNN	NNN	MMM		MMM	LLL
NNN	NNN	NNN	MMM		MMM	LLL
NNN		NNNNNN	MMM		MMM	LLL
NNN		NNNNNN	MMM		MMM	LLL
NNN		NNNNNN	MMM		MMM	LLL
NNN		NNN	MMM		MMM	LLL
NNN		NNN	MMM		MMM	LLL
NNN		NNN	MMM		MMM	LLLLLLLLLLLLLLLL
NNN		NNN	MMM		MMM	LLLLLLLLLLLLLLLL
NNN		NNN	MMM		MMM	LLLLLLLLLLLLLLLL

_S

PS

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NP

NP

SG

SOI

NP

PA

-L

```

NN      NN  MM  MM  LL      CCCCCCCC  HH      HH      AAAAAA  NN      NN      GGGGGGGG  EEEEEEEEEE
NN      NN  MM  MM  LL      CCCCCCCC  HH      HH      AAAAAA  NN      NN      GGGGGGGG  EEEEEEEEEE
NN      NN  MMMM  MMMM  LL      CC      HH      HH      AA      AA  NN      NN      GG      EE
NN      NN  MMMM  MMMM  LL      CC      HH      HH      AA      AA  NN      NN      GG      EE
NNNN    NN  MM  MM  MM  LL      CC      HH      HH      AA      AA  NNNN   NN      GG      EE
NNNN    NN  MM  MM  MM  LL      CC      HH      HH      AA      AA  NNNN   NN      GG      EE
NN  NN   NN  MM  MM  MM  LL      CC      HHHHHHHHHH  AA      AA  NN  NN  NN  GG      EEEEEEEE
NN  NN   NN  MM  MM  MM  LL      CC      HHHHHHHHHH  AA      AA  NN  NN  NN  GG      EEEEEEEE
NN      NNNN  MM  MM  MM  LL      CC      HH      HH      AAAAAAAAAA  NN      NNNN  GG  GGGGGG  EE
NN      NNNN  MM  MM  MM  LL      CC      HH      HH      AAAAAAAAAA  NN      NNNN  GG  GGGGGG  EE
NN      NN  MM  MM  MM  LL      CC      HH      HH      AA      AA  NN      NN      GG      EE
NN      NN  MM  MM  MM  LL      CC      HH      HH      AA      AA  NN      NN      GG      EE
NN      NN  MM  MM  MM  LL      CCCCCCCC  HH      HH      AA      AA  NN      NN      GGGGGG  EEEEEEEEEE
NN      NN  MM  MM  MM  LLLLLLLLLL  CCCCCCCC  HH      HH      AA      AA  NN      NN      GGGGGG  EEEEEEEEEE

```

```

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
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

```

1 0001 0 XTITLE 'NML Change parameters module'
2 0002 0 MODULE NML$CHANGE (
3 0003 0     LANGUAGE (BLISS32),
4 0004 0     ADDRESSING_MODE (NONEXTERNAL=GENERAL),
5 0005 0     ADDRESSING_MODE (EXTERNAL=GENERAL),
6 0006 0     IDENT = 'V04-000'
7 0007 0 ) =
8 0008 1 BEGIN
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
13 0013 1 *  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
14 0014 1 *  ALL RIGHTS RESERVED.
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22 0022 1 *
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24 0024 1 *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
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26 0026 1 *
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28 0028 1 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1
34 0034 1 **
35 0035 1 FACILITY:  DECnet-VAX Network Management Listener
36 0036 1
37 0037 1 ABSTRACT:
38 0038 1
39 0039 1     This module contains routines to handle dispatching of NCP
40 0040 1     SET, CLEAR, DEFINE, and PURGE commands to the correct routine
41 0041 1     according to the specified entity type.
42 0042 1
43 0043 1 ENVIRONMENT:  VAX/VMS Operating System
44 0044 1
45 0045 1 AUTHOR:  Kathy Perko
46 0046 1
47 0047 1 CREATION DATE:  15-April-1982
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1     V03-009 MKP0009      Kathy Perko      9-Jan-1984
52 0052 1     Add X25-Access Module entity.
53 0053 1
54 0054 1     V03-008 MKP0008      Kathy Perko      26-Aug-1983
55 0055 1     Convert node permanent database to use multiple ISAM keys so
56 0056 1     it will be faster.
57 0057 1

```

58	0058	1	V03-007	MKP0007	Kathy Perko	25-April-1983
59	0059	1			Add support for PURGE NI Configurator module circuits.	
60	0060	1				
61	0061	1	V03-006	MKP0006	Kathy Perko	21-Jan-1983
62	0062	1			Add support for NI Configurator module.	
63	0063	1				
64	0064	1	V03-005	MKP0005	Kathy Perko	8-Nov-1982
65	0065	1			Change error reported to NCP if entity format is	
66	0066	1			has not action routine in dispatch table. Change it	
67	0067	1			from "invalid function or option" to "invalid identification	
68	0068	1			error".	
69	0069	1				
70	0070	1	V03-004	MKP0004	Kathy Perko	26-Sept-1982
71	0071	1			Change DEFINE KNOWN LOGGING to a separate routine.	
72	0072	1				
73	0073	1	V03-003	MKP0003	Kathy Perko	21-Sept-1982
74	0074	1			Allow disconnect of a single link without a node name	
75	0075	1			specified.	
76	0076	1				
77	0077	1	V03-002	MKP0002	Kathy Perko	31-Aug-1982
78	0078	1			Fix X25 Protocol Group dispatch table to allow SET X-P	
79	0079	1			GROUP FRED ALL and SET X-P K GROUP ALL.	
80	0080	1				
81	0081	1	V03-001	MKP0001	Kathy Perko	21-June-1982
82	0082	1			Add a dispatch routine for X25-Protocol networks. This	
83	0083	1			is needed because of the creation of a special network	
84	0084	1			entity, active network.	
85	0085	1			Change DISC LINKS to use qualifier logic if there is	
86	0086	1			a node specified in the NICE message.	
87	0087	1			Redo dispatch tables to specify a different change	
88	0088	1			routine if the NICE command includes a qualifier.	
89	0089	1			Add X29-Server and X25-Trace entities.	
90	0090	1				
91	0091	1				
92	0092	1				

```

0093 1 %SBTTL 'Declarations'
0094 1
0095 1
0096 1 : TABLE OF CONTENTS:
0097 1 :
0098 1 :
0099 1 FORWARD ROUTINE
0100 1     NML$CHANGE           : NOVALUE,
0101 1     NML_CHANGE         : NOVALUE,
0102 1     NML_CHANGE_LOGGING : NOVALUE,
0103 1     NML_CHANGE_MODE    : NOVALUE,
0104 1     NML_CHANGE_EXECUTOR : NOVALUE,
0105 1     NML_CHANGE_NETWORK  : NOVALUE,
0106 1     NML_DISCONNECT LINKS : NOVALUE,
0107 1     NML_CHANGE_PLURAL  : NOVALUE;
0108 1
0109 1
0110 1 : INCLUDE FILES:
0111 1 :
0112 1 :
0113 1 LIBRARY 'LIBS:NMLLIB.L32';
0114 1 LIBRARY 'SHRLIBS:NMALIBRY.L32';
0115 1 LIBRARY 'SYSSLIBRARY:STARLET.L32';
0116 1
0117 1
0118 1 : EXTERNAL REFERENCES:
0119 1 :
0120 1
0121 1 $NML_EXTDEF:
0122 1
0123 1
0124 1 EXTERNAL
0125 1     NML$AB NPA_BLK : $NPA_BLKDEF,
0126 1     NML$NPA_CLPUCIR,
0127 1     NML$NPA_CLPULIN,
0128 1     NML$NPA_CLPULNK,
0129 1     NML$NPA_CLPULOG,
0130 1     NML$NPA_CLPUNOD,
0131 1     NML$NPA_CLPUEXE,
0132 1     NML$NPA_CLPUOBJ,
0133 1     NML$NPA_SEDECIR,
0134 1     NML$NPA_SEDELIN,
0135 1     NML$NPA_SEDELOG,
0136 1     NML$NPA_SEDENOD,
0137 1     NML$NPA_SEDEEXE,
0138 1     NML$NPA_SEDE_X25_ACCESS,
0139 1     NML$NPA_SEDE_PROT_NET,
0140 1     NML$NPA_SEDE_PROT_DTE,
0141 1     NML$NPA_SEDE_PROT_GRP,
0142 1     NML$NPA_SEDE_X25_SERV,
0143 1     NML$NPA_SEDE_X25_SERV_DEST,
0144 1     NML$NPA_SEDE_TRACE,
0145 1     NML$NPA_SEDE_TRACEPOINT,
0146 1     NML$NPA_SEDE_X29_SERV,
0147 1     NML$NPA_SEDE_X29_SERV_DEST,
0148 1     NML$NPA_SEDE_NI_CONFIG,
0149 1     NML$NPA_CLPU_X25_ACCESS,
0149 1     NML$NPA_CLPU_PROT_NET,

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151 0150 1 NMLSNPA_CLPU_PROT_DTE,
152 0151 1 NMLSNPA_CLPU_PROT_GRP,
153 0152 1 NMLSNPA_CLPU_X25_SERV,
154 0153 1 NMLSNPA_CLPU_X25_SERV_DEST,
155 0154 1 NMLSNPA_CLPU_TRACE,
156 0155 1 NMLSNPA_CLPU_TRACEPOINT,
157 0156 1 NMLSNPA_CLPU_X29_SERV,
158 0157 1 NMLSNPA_CLPU_X29_SERV_DEST,
159 0158 1 NMLSNPA_CLPU_NI_CONFIG,
160 0159 1 NMLSNPA_SEDEOBJ;
161 0160 1
162 0161 1 EXTERNAL ROUTINE
163 0162 1 LIBSESTABLISH : ADDRESSING_MODE (GENERAL),
164 0163 1 LIBSREVERT : ADDRESSING_MODE (GENERAL),
165 0164 1 NMASNPARSE,
166 0165 1 NML$BLD_REPLY,
167 0166 1 NML$CALC_NI_CONFIG,
168 0167 1 NML$CLEARENTITY,
169 0168 1 NML$CLEAREXECUTOR,
170 0169 1 NML$CLEARKNOLOG,
171 0170 1 NML$CLEARKNONODES,
172 0171 1 NML$CLEARKNOWN,
173 0172 1 NML$CLEARLOGGING,
174 0173 1 NML$DEFENTITY,
175 0174 1 NML$DEFINE_NODE,
176 0175 1 NML$DEFINERKNOWN,
177 0176 1 NML$DEFINE_KNOWN_NODES,
178 0177 1 NML$DEFKNOONLOG,
179 0178 1 NML$DEFLOGGING,
180 0179 1 NML$DISCKNOWN,
181 0180 1 NML$DISCONNECT,
182 0181 1 NML$ERROR-1,
183 0182 1 NML$ERROR-2,
184 0183 1 NML$MAINHANDLER,
185 0184 1 NML$OPENFILE,
186 0185 1 NML$PARENTITY,
187 0186 1 NML$PURGE_KNOWN_NODES,
188 0187 1 NML$PURGERKNOWN,
189 0188 1 NML$PURLOGGING,
190 0189 1 NML$SEND,
191 0190 1 NML$SETENTITY,
192 0191 1 NML$SETEXECUTOR,
193 0192 1 NML$SETKNOLOG,
194 0193 1 NML$SETKNONODES,
195 0194 1 NML$SETKNOWN,
196 0195 1 NML$SETLINE,
197 0196 1 NML$SETLOGGING,
198 0197 1 NML$SET_NI_CONFIG;

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200 0198 1
201 0199 1 Macro to build dispatch table for an entity.
202 0200 1
203 0201 1 MACRO $TAB (TAB,
204 0202 1 DISPATCH_RTN,
205 0203 1 SETDEF_PARSE, CLEPUR_PARSE,
206 0204 1 SET_RTN, SET_W_QUAL_RTN, SET_KNO_RTN, SET_KNO_W_QUAL_RTN,
207 0205 1 CLEAR_RTN, CLEAR_W_QUAL_RTN, CLEAR_KNO_RTN, CLEAR_KNO_W_QUAL_RTN,
208 0206 1 DEFINE_RTN, DEFINE_W_QUAL_RTN, DEFINE_KNO_RTN, DEFINE_KNO_W_QUAL_RTN,
209 0207 1 PURGE_RTN, PURGE_W_QUAL_RTN, PURGE_KNO_RTN, PURGE_KNO_W_QUAL_RTN) =
210 0208 1
211 0209 1 OWN TAB : BBLOCK [%LENGTH * 4] INITIAL (
212 0210 1 $PIC (DISPATCH_RTN, TAB),
213 0211 1 $PIC (SETDEF_PARSE, TAB),
214 0212 1 $PIC (CLEPUR_PARSE, TAB),
215 0213 1 $PIC (SET_RTN, TAB),
216 0214 1 $PIC (SET_W_QUAL_RTN, TAB),
217 0215 1 $PIC (SET_KNO_RTN, TAB),
218 0216 1 $PIC (SET_KNO_W_QUAL_RTN, TAB),
219 0217 1 $PIC (CLEAR_RTN, TAB),
220 0218 1 $PIC (CLEAR_W_QUAL_RTN, TAB),
221 0219 1 $PIC (CLEAR_KNO_RTN, TAB),
222 0220 1 $PIC (CLEAR_KNO_W_QUAL_RTN, TAB),
223 0221 1 $PIC (DEFINE_RTN, TAB),
224 0222 1 $PIC (DEFINE_W_QUAL_RTN, TAB),
225 0223 1 $PIC (DEFINE_KNO_RTN, TAB),
226 0224 1 $PIC (DEFINE_KNO_W_QUAL_RTN, TAB),
227 0225 1 $PIC (PURGE_RTN, TAB),
228 0226 1 $PIC (PURGE_W_QUAL_RTN, TAB),
229 0227 1 $PIC (PURGE_KNO_RTN, TAB),
230 0228 1 $PIC (PURGE_KNO_W_QUAL_RTN, TAB))
231 0229 1 %
232 0230 1
233 0231 1 $PIC (ADDR, TAB) =
234 0232 1 %IF %IDENTICAL (ADDR, 0)
235 0233 1 %THEN LONG (0)
236 0234 1 %ELSE LONG (%NAME (ADDR) - %NAME (TAB))
237 0235 1 %FI
238 0236 1 %
239 0237 1
240 0238 1
241 0239 1
242 0240 1 Dispatch tables. There is one table for each internal NML entity (NML
243 0241 1 internal entities are broken down more than NICE entities). The table
244 0242 1 specifies the following information about the entity:
245 0243 1 The address of the dispatch routine in this module for the entity.
246 0244 1 The dispatch routines vary depending on the different
247 0245 1 formats the entities can have.
248 0246 1 The addresses of the NPARSE tables used to parse the parameters
249 0247 1 in the NICE command. The NICE function, option byte,
250 0248 1 and entity have already been parsed by this time.
251 0249 1 The addresses of the routines which perform the requested change:
252 0250 1 - Set single entity
253 0251 1 - Set single entity with qualifier
254 0252 1 - Set known entities
255 0253 1 - Set known entities with qualifier
256 0254 1 - Clear single entity

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257 0255 1 - Clear single entity with qualifier
258 0256 1 - Clear known entities
259 0257 1 - Clear known entities with qualifier
260 0258 1 - Define single entity
261 0259 1 - Define single entity with qualifier
262 0260 1 - Define known entities
263 0261 1 - Define known entities with qualifier
264 0262 1 - Purge single entity
265 0263 1 - Purge single entity with qualifier
266 0264 1 - Purge known entities
267 0265 1 - Purge known entities with qualifier
268 0266 1
269 P 0267 1 $TAB (LINE TAB, ! NMLSC_LINE
270 PP 0268 1 NML CHANGE,
271 PP 0269 1 NML$NPA SEDELIN, NML$NPA_CLPULIN,
272 PP 0270 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
273 PP 0271 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
274 P 0272 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
275 0273 1 NML$PURITY, 0, NML$PURGEKNOWN, 0);
276 0274 1
277 P 0275 1 $TAB (LOGGING TAB, ! NMLSC_LOGGING
278 PP 0276 1 NML CHANGE LOGGING,
279 PP 0277 1 NML$NPA SEDELOG, NML$NPA_CLPULOG,
280 PP 0278 1 NML$SETLOGGING, 0, NML$SETKNOLOG, 0,
281 PP 0279 1 NML$CLEARLOGGING, 0, NML$CLEARKNOLOG, 0,
282 P 0280 1 NML$DEFLOGGING, 0, NML$DEFKNOLOG, 0,
283 0281 1 NML$PURLOGGING, 0, NML$PURGEKNOWN, 0);
284 0282 1
285 0283 1 BIND SINK_TAB = UPLIT (0);
286 0284 1
287 P 0285 1 $TAB (NODE TAB, ! NMLSC_NODE
288 PP 0286 1 NML CHANGE NODE,
289 PP 0287 1 NML$NPA SEENOD, NML$NPA_CLPUNOD,
290 P 0288 1 NML$SETENTITY, 0, NML$SETKNONODES, 0,
291 P 0289 1 NML$CLEARENTITY, 0, NML$CLEARKNONODES, 0,
292 P 0290 1 NML$DEFINE NODE, 0, NML$DEFINE KNOWN NODES, 0,
293 0291 1 NML$PURITY, 0, NML$PURGE_KNOWN_NODES, 0);
294 0292 1
295 P 0293 1 $TAB (NODEBYNAME TAB, ! NMLSC_NODEBYNAME
296 PP 0294 1 NML CHANGE NODE,
297 P 0295 1 NML$NPA SEENOD, NML$NPA_CLPUNOD,
298 P 0296 1 NML$SETENTITY, 0, NML$SETKNONODES, 0,
299 P 0297 1 NML$CLEARENTITY, 0, NML$CLEARKNONODES, 0,
300 P 0298 1 NML$DEFINE NODE, 0, NML$DEFINE KNOWN NODES, 0,
301 0299 1 NML$PURITY, 0, NML$PURGE_KNOWN_NODES, 0);
302 0300 1
303 0301 1 BIND LOOPNODE_TAB = UPLIT (0);
304 0302 1
305 0303 1 BIND ADJACENT_NODE_TAB = UPLIT (0);
306 0304 1
307 P 0305 1 $TAB (EXECUTOR TAB, ! NMLSC_EXECUTOR
308 PP 0306 1 NML CHANGE EXECUTOR,
309 PP 0307 1 NML$NPA SEDEEXE, NML$NPA_CLPUEXE,
310 P 0308 1 NML$SETEXECUTOR, 0, 0, 0,
311 P 0309 1 NML$CLEAREXECUTOR, 0, 0, 0,
312 P 0310 1 NML$DEFINE NODE, 0, 0, 0,
313 0311 1 NML$PURITY, 0, 0, 0);

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```

314 0312 1
315 P 0313 1 $TAB OBJECT TAB, ! NMLSC_OBJECT
316 P 0314 1 NML CHANGE,
317 P 0315 1 NMLSNPA SEDEOBJ, NMLSNPA_CLPUOBJ,
318 P 0316 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
319 P 0317 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
320 P 0318 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
321 P 0319 1 NML$PURITY, 0, NML$PURGEKNOWN, 0);
322
323 P 0320 1
324 P 0321 1 $TAB (CIRCUIT TAB, ! NMLSC_CIRCUIT
325 P 0322 1 NML CHANGE,
326 P 0323 1 NMLSNPA SEDECIR, NMLSNPA_CLPUCIR,
327 P 0324 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
328 P 0325 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
329 P 0326 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
330 P 0327 1 NML$PURITY, 0, NML$PURGEKNOWN, 0);
331 0328 1
332 0329 1 BIND CIRCUIT_ADJACENT_TAB = UPLIT (0);
333 0330 1
334 0331 1 BIND CIRCUIT_ADJ_SRC_TAB = UPLIT (0);
335 0332 1
336 0333 1 BIND AREA_TAB = UPLIT (0);
337 P 0334 1
338 P 0335 1 $TAB (ACCESS TAB, ! NMLSC_X25_ACCESS
339 P 0336 1 NML CHANGE NETWORK,
340 P 0337 1 NMLSNPA SEDE X25_ACCESS, NMLSNPA_CLPU_X25_ACCESS,
341 P 0338 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
342 P 0339 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
343 P 0340 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
344 P 0341 1 NML$PURITY, 0, NML$PURGEKNOWN, 0);
345
346 P 0342 1
347 P 0343 1 $TAB (PROT NET TAB, ! NMLSC_PROT_NET
348 P 0344 1 NML CHANGE NETWORK,
349 P 0345 1 NMLSNPA SEDE PROT_NET, NMLSNPA_CLPU_PROT_NET,
350 P 0346 1 NML$SETENTITY, 0, 0, 0,
351 P 0347 1 NML$CLEARENTITY, 0, 0, 0,
352 P 0348 1 NML$DEFENTITY, 0, 0, 0,
353 P 0349 1 NML$PURITY, 0, 0, 0);
354
355 P 0350 1
356 P 0351 1 $TAB (PROT DTE TAB, ! NMLSC_PROT_DTE
357 P 0352 1 NML CHANGE,
358 P 0353 1 NMLSNPA SEDE PROT_DTE, NMLSNPA_CLPU_PROT_DTE,
359 P 0354 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
360 P 0355 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
361 P 0356 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
362 P 0357 1 NML$PURITY, 0, NML$PURGEKNOWN, 0);
363
364 P 0358 1
365 P 0359 1 $TAB (PROT GRP TAB, ! NMLSC_PROT_GRP
366 P 0360 1 NML CHANGE,
367 P 0361 1 NMLSNPA SEDE PROT_GRP, NMLSNPA_CLPU_PROT_GRP,
368 P 0362 1 NML$SETKNOWN, NML$SETENTITY, NML$SETKNOWN, 0,
369 P 0363 1 NML$CLEARENTITY, NML$CLEARKNOWN, 0,
370 P 0364 1 0, NML$DEFENTITY, 0, 0,
371 P 0365 1 NML$PURGEKNOWN, NML$PURITY, NML$PURGEKNOWN, 0);
372
373 P 0366 1
374 P 0367 1 $TAB (X25 SERV TAB, ! NMLSC_X25_SERV
375 P 0368 1 NML CHANGE,

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```

371 P 0369 1 NML$NPA SEDE X25_SERV, NML$NPA_CLPU_X25_SERV,
372 PP 0370 1 NML$SETENTITY, U, 0, 0,
373 PP 0371 1 NML$CLEARENTITY, 0, 0, 0,
374 P 0372 1 NML$DEFENTITY, 0, 0, 0,
375 PP 0373 1 NML$PURENTITY, 0, 0, 0);
376 PP 0374 1
377 P 0375 1 $TAB (X25_SERV_DEST_TAB, ! NML$C_X25_SERV_DEST
378 PP 0376 1 NML CHANGE,
379 PP 0377 1 NML$NPA SEDE X25_SERV_DEST, NML$NPA_CLPU_X25_SERV_DEST,
380 PP 0378 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
381 PP 0379 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
382 P 0380 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
383 PP 0381 1 NML$PURENTITY, 0, NML$PURGEKNOWN, 0);
384 PP 0382 1
385 P 0383 1 $TAB (TRACE_TAB, ! NML$C_TRACE
386 PP 0384 1 NML CHANGE,
387 PP 0385 1 NML$NPA SEDE TRACE, NML$NPA_CLPU_TRACE,
388 PP 0386 1 NML$SETENTITY, 0, 0, 0,
389 PP 0387 1 NML$CLEARENTITY, 0, 0, 0,
390 P 0388 1 NML$DEFENTITY, 0, 0, 0,
391 PP 0389 1 NML$PURENTITY, 0, 0, 0);
392 PP 0390 1
393 P 0391 1 $TAB (TRACEPNT_TAB, ! NML$C_TRACEPNT
394 PP 0392 1 NML CHANGE,
395 PP 0393 1 NML$NPA SEDE TRACEPOINT, NML$NPA_CLPU_TRACEPOINT,
396 PP 0394 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
397 PP 0395 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
398 P 0396 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
399 PP 0397 1 NML$PURENTITY, 0, NML$PURGEKNOWN, 0);
400 PP 0398 1
401 P 0399 1 $TAB (X29_SERV_TAB, ! NML$C_X29_SERV
402 PP 0400 1 NML CHANGE,
403 PP 0401 1 NML$NPA SEDE X29_SERV, NML$NPA_CLPU_X29_SERV,
404 PP 0402 1 NML$SETENTITY, 0, 0, 0,
405 PP 0403 1 NML$CLEARENTITY, 0, 0, 0,
406 P 0404 1 NML$DEFENTITY, 0, 0, 0,
407 PP 0405 1 NML$PURENTITY, 0, 0, 0);
408 PP 0406 1
409 P 0407 1 $TAB (X29_SERV_DEST_TAB, ! NML$C_X29_SERV_DEST
410 PP 0408 1 NML CHANGE,
411 PP 0409 1 NML$NPA SEDE X29_SERV_DEST, NML$NPA_CLPU_X29_SERV_DEST,
412 PP 0410 1 NML$SETENTITY, 0, NML$SETKNOWN, 0,
413 PP 0411 1 NML$CLEARENTITY, 0, NML$CLEARKNOWN, 0,
414 P 0412 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
415 PP 0413 1 NML$PURENTITY, 0, NML$PURGEKNOWN, 0);
416 PP 0414 1
417 P 0415 1 $TAB (NI_CONFIG_TAB, ! NML$C_NI_CONFIG
418 PP 0416 1 NML CHANGE,
419 PP 0417 1 NML$NPA SEDE NI_CONFIG, NML$NPA_CLPU_NI_CONFIG,
420 PP 0418 1 NML$SET_NI_CONFIG, 0, NML$SET_NI_CONFIG, 0,
421 PP 0419 1 NML$SCALE_NI_CONFIG, 0, NML$SCALE_NI_CONFIG, 0,
422 P 0420 1 NML$DEFENTITY, 0, NML$DEFINEKNOWN, 0,
423 PP 0421 1 NML$PURENTITY, 0, NML$PURGEKNOWN, 0);
424 PP 0422 1
425 P 0423 1 $TAB (LINK_TAB, ! NML$C_LINK
426 PP 0424 1 NML_DISCONNECT_LINKS,
427 P 0425 1 0, ! No further parsing necessary.

```

```

: 428 P 0426 1 0, 0, 0, 0,
: 429 PP 0427 1 NML$DISCONNECT, NML$DISCONNECT, NML$DISCKNOWN, NML$DISCKNOWN,
: 430 P 0428 1 0, 0, 0, 0,
: 431 0429 1 0, 0, 0, 0;
: 432 0430 1
: 433 0431 1
: 434 0432 1
: 435 0433 1 : Table table. Contains pointers to Dispatch tables for NML entities.
: 436 0434 1 : Indexed by NML$C_entity definitions.
: 437 0435 1
: 438 0436 1 OWN TABLE TAB : VECTOR [NML$C_MAXENTITY] INITIAL (
: 439 0437 1 $PIC (LINE_TAB, TABLE_TAB),
: 440 0438 1 $PIC (LOGGING_TAB, TABLE_TAB),
: 441 0439 1 $PIC (SINK_TAB, TABLE_TAB),
: 442 0440 1 $PIC (NODE_TAB, TABLE_TAB),
: 443 0441 1 $PIC (NODEBYNAME_TAB, TABLE_TAB),
: 444 0442 1 $PIC (LOOPNODE_TAB, TABLE_TAB),
: 445 0443 1 $PIC (ADJACENT_NODE_TAB, TABLE_TAB),
: 446 0444 1 $PIC (EXECUTOR_TAB, TABLE_TAB),
: 447 0445 1 $PIC (OBJECT_TAB, TABLE_TAB),
: 448 0446 1 $PIC (CIRCUIT_TAB, TABLE_TAB),
: 449 0447 1 $PIC (CIRCUIT_ADJACENT_TAB, TABLE_TAB),
: 450 0448 1 $PIC (CIRCUIT_ADJ_SRC_TAB, TABLE_TAB),
: 451 0449 1 $PIC (AREA_TAB, TABLE_TAB),
: 452 0450 1 $PIC (ACCESS_TAB, TABLE_TAB),
: 453 0451 1 $PIC (PROT_NET_TAB, TABLE_TAB),
: 454 0452 1 $PIC (PROT_DTE_TAB, TABLE_TAB),
: 455 0453 1 $PIC (PROT_GRP_TAB, TABLE_TAB),
: 456 0454 1 $PIC (X25_SERV_TAB, TABLE_TAB),
: 457 0455 1 $PIC (X25_SERV_DEST_TAB, TABLE_TAB),
: 458 0456 1 $PIC (TRACE_TAB, TABLE_TAB),
: 459 0457 1 $PIC (TRACEPNT_TAB, TABLE_TAB),
: 460 0458 1 $PIC (X29_SERV_TAB, TABLE_TAB),
: 461 0459 1 $PIC (X29_SERV_DEST_TAB, TABLE_TAB),
: 462 0460 1 $PIC (NI_CONFIG_TAB, TABLE_TAB),
: 463 0461 1 $PIC (LINK_TAB, TABLE_TAB));

```

```

: 465 0462 1 %SBTTL 'NML$CHANGE Change parameters main routine'
: 466 0463 1 GLOBAL ROUTINE NML$CHANGE : NOVALUE =
: 467 0464 1
: 468 0465 1 +-
: 469 0466 1 FUNCTIONAL DESCRIPTION:
: 470 0467 1
: 471 0468 1 This routine dispatches the NICE change parameters command to
: 472 0469 1 the correct function handler.
: 473 0470 1
: 474 0471 1 FORMAL PARAMETERS:
: 475 0472 1
: 476 0473 1 NONE
: 477 0474 1
: 478 0475 1 IMPLICIT INPUTS:
: 479 0476 1
: 480 0477 1 NML$GB_OPTIONS contains the option byte parsed from the NICE message.
: 481 0478 1 NML$GB_ENTITY_CODE contains the entity code.
: 482 0479 1
: 483 0480 1 --
: 484 0481 1
: 485 0482 2 BEGIN
: 486 0483 2
: 487 0484 2 MAP
: 488 0485 2 NML$GB_ENTITY_FORMAT : BYTE SIGNED,
: 489 0486 2 NML$GB_OPTIONS : BBLOCK [1];
: 490 0487 2
: 491 0488 2 LOCAL
: 492 0489 2 ENT_TAB : REF BBLOCK, ! Dispatch table reference
: 493 0490 2 RTN_ADDR, ! Temporary routine address
: 494 0491 2 PARSE_TAB, ! Address of NICE message parsing
: 495 0492 2 ! table.
: 496 0493 2 CHANGE_TABLE_ADR: REF BBLOCK, ! Address of SET, CLEAR, DEFINE, or PURGE
: 497 0494 2 ! portion of entity dispatch table.
: 498 0495 2 CHANGE_RTN; ! Address of routine to perform
: 499 0496 2 ! change requested by NICE
: 500 0497 2 ! message.
: 501 0498 2
: 502 0499 2
: 503 0500 2 !
: 504 0501 2 ! Get address of entity's dispatch table. The addresses are stored as offsets
: 505 0502 2 ! to make NML$SHR PIC. Change the offset into a useable address.
: 506 0503 2
: 507 0504 2 ENT_TAB = .TABLE_TAB [.NML$GL_NML_ENTITY] + TABLE_TAB;
: 508 0505 2 IF .ENT_TAB NEQA 0 THEN
: 509 0506 3 BEGIN
: 510 0507 3 RTN_ADDR = .ENT_TAB [DT$L_DISPATCH] + .ENT_TAB;
: 511 0508 3
: 512 0509 3 ! Go to dispatch table for the entity specified in the NICE message.
: 513 0510 3 ! Get the address the NICE parameter parsing table, and the address
: 514 0511 3 ! of the routine which performs the type of change requested.
: 515 0512 3
: 516 0513 3 IF .RTN_ADDR NEQA .ENT_TAB THEN
: 517 0514 4 BEGIN
: 518 0515 4
: 519 0516 4 ! Get parsing table address
: 520 0517 4
: 521 0518 4 IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN

```

```

: 522 0519 4      PARSE_TAB = .ENT_TAB [DT$CLPU_PARSE] + .ENT_TAB
: 523 0520 4      ELSE
: 524 0521 4      PARSE_TAB = .ENT_TAB [DT$SEDE_PARSE] + .ENT_TAB;
: 525 0522 4
: 526 0523 4
: 527 0524 4      | Get address of portion of entity's dispatch table containing
: 528 0525 4      | the change routine addresses for the function (SET, CLEAR, DEFINE,
: 529 0526 4      | or PURGE) specified by the NICE message.
: 530 0527 4
: 531 0528 4      IF .NML$GB_OPTIONS [NMA$V_OPT_PER] THEN
: 532 0529 5      BEGIN
: 533 0530 5          IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN
: 534 0531 5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_PURGE_ROUTINES]      ! PURGE
: 535 0532 5          ELSE
: 536 0533 5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_DEFINE_ROUTINES];    ! DEFINE
: 537 0534 5          END
: 538 0535 4      ELSE
: 539 0536 5      BEGIN
: 540 0537 5          IF .NML$GB_OPTIONS [NMA$V_OPT_CLE] THEN
: 541 0538 5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_CLEAR_ROUTINES]      ! CLEAR
: 542 0539 5          ELSE
: 543 0540 5              CHANGE_TABLE_ADR = ENT_TAB [DT$A_SET_ROUTINES];        ! SET
: 544 0541 4          END;
: 545 0542 4
: 546 0543 4      | Each function's portion of the entity's dispatch table contains
: 547 0544 4      | the addresses of four change routines. These routines do the
: 548 0545 4      | following:
: 549 0546 4      | - Change a single entity
: 550 0547 4      | - Change a single entity with the specified qualifier.
: 551 0548 4      | - Change known entities
: 552 0549 4      | - Change known entities with the specified qualifier.
: 553 0550 4
: 554 0551 4      IF .NML$GB_ENTITY_FORMAT EQL NMA$C_ENT_KNO THEN
: 555 0552 5      BEGIN
: 556 0553 5          IF .NML$GL_PRS_FLGS [NML$V_PRS_QUALIFIER] THEN
: 557 0554 5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_KNOWN_W_QUAL]
: 558 0555 5          ELSE
: 559 0556 5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_KNOWN];
: 560 0557 5          END
: 561 0558 4      ELSE
: 562 0559 5      BEGIN
: 563 0560 5          IF .NML$GL_PRS_FLGS [NML$V_PRS_QUALIFIER] THEN
: 564 0561 5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_ENTITY_W_QUAL]
: 565 0562 5          ELSE
: 566 0563 5              CHANGE_RTN = .CHANGE_TABLE_ADR [CHG$L_ENTITY];
: 567 0564 4          END;
: 568 0565 4
: 569 0566 4      | The routine addresses are stored as offsets (to make NML$HR PIC).
: 570 0567 4      | Make the offset into a callable routine address.
: 571 0568 4
: 572 0569 4      IF .CHANGE_RTN NEQ 0 THEN
: 573 0570 5      BEGIN
: 574 0571 5          CHANGE_RTN = .CHANGE_RTN + .ENT_TAB;
: 575 0572 5
: 576 0573 5          | Call change routine.
: 577 0574 5
: 578 0575 5          (.RTN_ADDR) (.NML$GL_NML_ENTITY,

```

```

: 579 0576 5 .PARSE_TAB,
: 580 0577 5 .CHANGE_RTN);
: 581 0578 5 END
: 582 0579 4 ELSE
: 583 0580 4 NML$ERROR_2 (NMASC_STS_IDE, .NML$GB_ENTITY_FORMAT);
: 584 0581 4 END
: 585 0582 3 ELSE
: 586 0583 3 NML$ERROR_2 (NMASC_STS_IDE, .NML$GB_ENTITY_FORMAT);
: 587 0584 3 END
: 588 0585 2 ELSE
: 589 0586 2 NML$ERROR_2 (NMASC_STS_IDE, .NML$GB_ENTITY_FORMAT);
: 590 0587 1 END;
! End of NML$CHANGE

```

```

.TITLE NML$CHANGE NML Change parameters module
.IDENT \V04-000\

```

```

.PSECT $PLITS,NOWRT,NOEXE,2

```

```

00000000 00000 P.AAA: .LONG 0
00000000 00004 P.AAB: .LONG 0
00000000 00008 P.AAC: .LONG 0
00000000 0000C P.AAD: .LONG 0
00000000 00010 P.AAE: .LONG 0
00000000 00014 P.AAF: .LONG 0

```

```

.PSECT $OWNS,NOEXE,2

```

```

00000000V 00000 LINE_TAB:
00000000* 00004 .LONG <NML_CHANGE-LINE_TAB>
00000000* 00008 .LONG <NML$NPA_SEDELIN-LINE_TAB>
00000000* 0000C .LONG <NML$NPA_CLPULIN-LINE_TAB>
00000000 00010 .LONG <NML$SETENTITY-LINE_TAB>
00000000* 00014 .LONG 0
00000000 00018 .LONG <NML$SETKNOWN-LINE_TAB>
00000000* 0001C .LONG 0
00000000* 00020 .LONG <NML$CLEARENTITY-LINE_TAB>
00000000 00024 .LONG 0
00000000* 00028 .LONG <NML$CLEARKNOWN-LINE_TAB>
00000000 0002C .LONG 0
00000000* 00030 .LONG <NML$DEFINERKNOWN-LINE_TAB>
00000000* 00034 .LONG 0
00000000* 00038 .LONG <NML$PARENTITY-LINE_TAB>
00000000 00040 .LONG 0
00000000* 00044 .LONG <NML$PURGEKNOWN-LINE_TAB>
00000000 00048 .LONG 0
00000000 0004C .BLKB 4

```

```

00000000V 00050 LOGGING_TAB:
00000000* 00054 .LONG <NML_CHANGE_LOGGING-LOGGING_TAB>
00000000* 00058 .LONG <NML$NPA_SEDELOG-LOGGING_TAB>
00000000* 0005C .LONG <NML$NPA_CLPULOG-LOGGING_TAB>
00000000 00060 .LONG <NML$SETLOGGING-LOGGING_TAB>
00000000 00064 .LONG 0
00000000* 00068 .LONG <NML$SETKNOLOG-LOGGING_TAB>
00000000 00068 .LONG 0

```

```

00000000* 0006C .LONG <NML$CLEARLOGGING-LOGGING_TAB>
00000000 0007C .LONG 0
00000000* 00074 .LONG <NML$CLEARKNOLOG-LOGGING_TAB>
00000000 00078 .LONG 0
00000000* 0007C .LONG <NML$DEFLOGGING-LOGGING_TAB>
00000000 00080 .LONG 0
00000000* 00084 .LONG <NML$DEFKNOWNLOG-LOGGING_TAB>
00000000 00088 .LONG 0
00000000* 0008C .LONG <NML$PURLOGGING-LOGGING_TAB>
00000000 00090 .LONG 0
00000000* 00094 .LONG <NML$PURGEKNOWN-LOGGING_TAB>
00000000 00098 .LONG 0
00000000 0009C .BLKB 4
00000000V 000A0 NODE_TAB:
00000000* 000A4 .LONG <NML CHANGE NODE-NODE_TAB>
00000000* 000A8 .LONG <NML$NPA_SEENOD-NODE_TAB>
00000000* 000AC .LONG <NML$NPA_CLPUNOD-NODE_TAB>
00000000 000B0 .LONG 0
00000000* 000B4 .LONG <NML$SETKNONODES-NODE_TAB>
00000000 000B8 .LONG 0
00000000* 000BC .LONG <NML$CLEARENTITY-NODE_TAB>
00000000 000C0 .LONG 0
00000000* 000C4 .LONG <NML$CLEARKNONODES-NODE_TAB>
00000000 000C8 .LONG 0
00000000* 000CC .LONG <NML$DEFINE_NODE-NODE_TAB>
00000000 000D0 .LONG 0
00000000* 000D4 .LONG <NML$DEFINE_KNOWN_NODES-NODE_TAB>
00000000 000D8 .LONG 0
00000000* 000DC .LONG <NML$PURENTITY-NODE_TAB>
00000000 000E0 .LONG 0
00000000* 000E4 .LONG <NML$PURGE_KNOWN_NODES-NODE_TAB>
00000000 000E8 .LONG 0
00000000 000EC .BLKB 4
00000000V 000F0 NODEBYNAME_TAB:
00000000* 000F4 .LONG <NML CHANGE NODE-NODEBYNAME_TAB>
00000000* 000F8 .LONG <NML$NPA_SEENOD-NODEBYNAME_TAB>
00000000* 000FC .LONG <NML$NPA_CLPUNOD-NODEBYNAME_TAB>
00000000 00100 .LONG 0
00000000* 00104 .LONG <NML$SETKNONODES-NODEBYNAME_TAB>
00000000 00108 .LONG 0
00000000* 0010C .LONG <NML$CLEARENTITY-NODEBYNAME_TAB>
00000000 00110 .LONG 0
00000000* 00114 .LONG <NML$CLEARKNONODES-NODEBYNAME_TAB>
00000000 00118 .LONG 0
00000000* 0011C .LONG <NML$DEFINE_NODE-NODEBYNAME_TAB>
00000000 00120 .LONG 0
00000000* 00124 .LONG <NML$DEFINE_KNOWN_NODES-NODEBYNAME_TAB>
00000000 00128 .LONG 0
00000000* 0012C .LONG <NML$PURENTITY-NODEBYNAME_TAB>
00000000 00130 .LONG 0
00000000* 00134 .LONG <NML$PURGE_KNOWN_NODES-NODEBYNAME_TAB>
00000000 00138 .LONG 0
00000000 0013C .BLKB 4
00000000V 00140 EXECUTOR_TAB:
.LONG <NML_CHANGE_EXECUTOR-EXECUTOR_TAB>

```

: R

```
00000000* 00144 .LONG <NML$NPA_SEDEEXE-EXECUTOR_TAB>
00000000* 00148 .LONG <NML$NPA_CLPUXE-EXECUTOR_TAB>
00000000* 0014C .LONG <NML$SETEXECUTOR-EXECUTOR_TAB>
00000000 00150 .LONG 0
00000000 00154 .LONG 0
00000000 00158 .LONG 0
00000000* 0015C .LONG <NML$CLEAREXECUTOR-EXECUTOR_TAB>
00000000 00160 .LONG 0
00000000 00164 .LONG 0
00000000 00168 .LONG 0
00000000* 0016C .LONG <NML$DEFINE_NODE-EXECUTOR_TAB>
00000000 0C170 .LONG 0
00000000 00174 .LONG 0
00000000 00178 .LONG 0
00000000* 0017C .LONG <NML$PURITY-EXECUTOR_TAB>
00000000 00180 .LONG 0
00000000 00184 .LONG 0
00000000 00188 .LONG 0
00000000 0018C .BLKB 4
00000000V 00190 OBJECT_TAB:
00000000* 00194 .LONG <NML CHANGE-OBJECT_TAB>
00000000* 00198 .LONG <NML$NPA_SEDEOBJ-OBJECT_TAB>
00000000* 0019C .LONG <NML$NPA_CLPUOBJ-OBJECT_TAB>
00000000 001A0 .LONG 0
00000000* 001A4 .LONG <NML$SETKNOWN-OBJECT_TAB>
00000000 001A8 .LONG 0
00000000* 001AC .LONG <NML$CLEARENTITY-OBJECT_TAB>
00000000 001B0 .LONG 0
00000000* 001B4 .LONG <NML$CLEARKNOWN-OBJECT_TAB>
00000000 001B8 .LONG 0
00000000* 001BC .LONG <NML$DEFENTITY-OBJECT_TAB>
00000000 001C0 .LONG 0
00000000* 001C4 .LONG <NML$DEFINEKNOWN-OBJECT_TAB>
00000000 001C8 .LONG 0
00000000* 001CC .LONG <NML$PURITY-OBJECT_TAB>
00000000 001D0 .LONG 0
00000000* 001D4 .LONG <NML$PURGEKNOWN-OBJECT_TAB>
00000000 001D8 .LONG 0
00000000 001DC .BLKB 4
00000000V 001E0 CIRCUIT_TAB:
00000000* 001E4 .LONG <NML CHANGE-CIRCUIT_TAB>
00000000* 001E8 .LONG <NML$NPA_SEDECIR-CIRCUIT_TAB>
00000000* 001EC .LONG <NML$NPA_CLPUCIR-CIRCUIT_TAB>
00000000 001F0 .LONG 0
00000000* 001F4 .LONG <NML$SETKNOWN-CIRCUIT_TAB>
00000000 001F8 .LONG 0
00000000* 001FC .LONG <NML$CLEARENTITY-CIRCUIT_TAB>
00000000 00200 .LONG 0
00000000* 00204 .LONG <NML$CLEARKNOWN-CIRCUIT_TAB>
00000000 00208 .LONG 0
00000000* 0020C .LONG <NML$DEFENTITY-CIRCUIT_TAB>
00000000 00210 .LONG 0
00000000* 00214 .LONG <NML$DEFINEKNOWN-CIRCUIT_TAB>
00000000 00218 .LONG 0
00000000* 0021C .LONG <NML$PURITY-CIRCUIT_TAB>
```



```
00000000 00220 .LONG 0
00000000* 00224 .LONG <NML$PURGEKNOWN-CIRCUIT_TAB>
00000000 00228 .LONG 0
0022C .BLKB 4
00000000V 00230 ACCESS_TAB:
00000000* 00234 .LONG <NML CHANGE NETWORK-ACCESS_TAB>
00000000* 00238 .LONG <NML$NPA_SEDE_X25_ACCESS-ACCESS_TAB>
00000000* 0023C .LONG <NML$NPA_CLPU_X25_ACCESS-ACCESS_TAB>
00000000* 00240 .LONG <NML$SETENTITY-ACCESS_TAB>
00000000 00244 .LONG 0
00000000* 00248 .LONG <NML$SETKNOWN-ACCESS_TAB>
00000000 0024C .LONG 0
00000000* 00254 .LONG <NML$CLEARENTITY-ACCESS_TAB>
00000000 00258 .LONG 0
00000000* 0025C .LONG <NML$CLEARKNOWN-ACCESS_TAB>
00000000 00260 .LONG 0
00000000* 00264 .LONG <NML$DEFENTITY-ACCESS_TAB>
00000000 00268 .LONG 0
00000000* 0026C .LONG <NML$DEFINEKNOWN-ACCESS_TAB>
00000000 00270 .LONG 0
00000000* 00274 .LONG <NML$PARENTITY-ACCESS_TAB>
00000000 00278 .LONG 0
0027C .BLKB 4
00000000V 00280 PROT_NET_TAB:
00000000* 00284 .LONG <NML CHANGE NETWORK-PROT NET TAB>
00000000* 00288 .LONG <NML$NPA_SEDE_PROT_NET-PROT_NET_TAB>
00000000* 0028C .LONG <NML$NPA_CLPU_PROT_NET-PROT_NET_TAB>
00000000 00290 .LONG <NML$SETENTITY-PROT_NET_TAB>
00000000 00294 .LONG 0
00000000 00298 .LONG 0
00000000* 0029C .LONG <NML$CLEARENTITY-PROT_NET_TAB>
00000000 002A0 .LONG 0
00000000 002A4 .LONG 0
00000000 002A8 .LONG 0
00000000* 002AC .LONG <NML$DEFENTITY-PROT_NET_TAB>
00000000 002B0 .LONG 0
00000000 002B4 .LONG 0
00000000 002B8 .LONG 0
00000000* 002BC .LONG <NML$PARENTITY-PROT_NET_TAB>
00000000 002C0 .LONG 0
00000000 002C4 .LONG 0
00000000 002C8 .LONG 0
002CC .BLKB 4
00000000V 002D0 PROT_DTE_TAB:
00000000* 002D4 .LONG <NML CHANGE-PROT DTE TAB>
00000000* 002D8 .LONG <NML$NPA_SEDE_PROT_DTE-PROT_DTE_TAB>
00000000* 002DC .LONG <NML$NPA_CLPU_PROT_DTE-PROT_DTE_TAB>
00000000 002E0 .LONG <NML$SETENTITY-PROT_DTE_TAB>
00000000 002E4 .LONG 0
00000000* 002E8 .LONG <NML$SETKNOWN-PROT_DTE_TAB>
00000000 002EC .LONG 0
00000000* 002F0 .LONG <NML$CLEARENTITY-PROT_DTE_TAB>
00000000 002F4 .LONG 0
00000000* 002F4 .LONG <NML$CLEARKNOWN-PROT_DTE_TAB>
```

```

00000000 002F8 .LONG 0
00000000* 002FC .LONG <NML$DEFENTITY-PROT_DTE_TAB>
00000000 00300 .LONG 0
00000000* 00304 .LONG <NML$DEFINEKNOWN-PROT_DTE_TAB>
00000000 00308 .LONG 0
00000000* 0030C .LONG <NML$PARENTITY-PROT_DTE_TAB>
00000000 00310 .LONG 0
00000000* 00314 .LONG <NML$PURGEKNOWN-PROT_DTE_TAB>
00000000 00318 .LONG 0
00000000 0031C .BLKB 4
00000000V 00320 PROT_GRP_TAB:
00000000* 00324 .LONG <NML CHANGE-PROT_GRP_TAB>
00000000* 00328 .LONG <NML$NPA_SEDE_PROT_GRP-PROT_GRP_TAB>
00000000* 0032C .LONG <NML$NPA_CLPU_PROT_GRP-PROT_GRP_TAB>
00000000* 00330 .LONG <NML$SETKNOWN-PROT_GRP_TAB>
00000000* 00334 .LONG <NML$SETENTITY-PROT_GRP_TAB>
00000000* 00338 .LONG <NML$SETKNOWN-PROT_GRP_TAB>
00000000 0033C .LONG 0
00000000* 00340 .LONG <NML$CLEARENTITY-PROT_GRP_TAB>
00000000* 00344 .LONG <NML$CLEARENTITY-PROT_GRP_TAB>
00000000* 00348 .LONG <NML$CLEARKNOWN-PROT_GRP_TAB>
00000000 0034C .LONG 0
00000000* 00350 .LONG <NML$DEFENTITY-PROT_GRP_TAB>
00000000 00354 .LONG 0
00000000 00358 .LONG 0
00000000* 0035C .LONG <NML$PURGEKNOWN-PROT_GRP_TAB>
00000000* 00360 .LONG <NML$PARENTITY-PROT_GRP_TAB>
00000000* 00364 .LONG <NML$PURGEKNOWN-PROT_GRP_TAB>
00000000 00368 .LONG 0
00000000 0036C .BLKB 4
00000000V 00370 X25_SERV_TAB:
00000000* 00374 .LONG <NML CHANGE-X25_SERV_TAB>
00000000* 00378 .LONG <NML$NPA_SEDE_X25_SERV-X25_SERV_TAB>
00000000* 0037C .LONG <NML$NPA_CLPU_X25_SERV-X25_SERV_TAB>
00000000* 00380 .LONG <NML$SETENTITY-X25_SERV_TAB>
00000000 00384 .LONG 0
00000000 00388 .LONG 0
00000000* 0038C .LONG <NML$CLEARENTITY-X25_SERV_TAB>
00000000 00390 .LONG 0
00000000 00394 .LONG 0
00000000 00398 .LONG 0
00000000* 0039C .LONG <NML$DEFENTITY-X25_SERV_TAB>
00000000 003A0 .LONG 0
00000000 003A4 .LONG 0
00000000 003A8 .LONG 0
00000000* 003AC .LONG <NML$PARENTITY-X25_SERV_TAB>
00000000 003B0 .LONG 0
00000000 003B4 .LONG 0
00000000 003B8 .LONG 0
00000000 003BC .BLKB 4
00000000V 003C0 X25_SERV_DEST_TAB:
00000000* 003C4 .LONG <NML CHANGE-X25_SERV_DEST_TAB>
00000000* 003C8 .LONG <NML$NPA_SEDE_X25_SERV_DEST--
X25_SERV_DEST_TAB>
<NML$NPA_CLPU_X25_SERV_DEST--

```

```

00000000* 003CC .LONG X25_SERV_DEST_TAB>
00000000 003D0 .LONG <NML$SETENTITY-X25_SERV_DEST_TAB>
00000000* 003D4 .LONG 0
00000000 003D8 .LONG <NML$SETKNOWN-X25_SERV_DEST_TAB>
00000000 003DC .LONG 0
00000000* 003E0 .LONG <NML$CLEARENTITY-X25_SERV_DEST_TAB>
00000000 003E4 .LONG 0
00000000* 003E8 .LONG <NML$CLEARKNOWN-X25_SERV_DEST_TAB>
00000000 003EC .LONG 0
00000000* 003F0 .LONG <NML$DEFENTITY-X25_SERV_DEST_TAB>
00000000 003F4 .LONG 0
00000000* 003F8 .LONG <NML$DEFINEKNOWN-X25_SERV_DEST_TAB>
00000000 003FC .LONG 0
00000000* 00400 .LONG <NML$PURENTITY-X25_SERV_DEST_TAB>
00000000 00404 .LONG 0
00000000* 00408 .LONG <NML$PURGEKNOWN-X25_SERV_DEST_TAB>
00000000 0040C .LONG 0
00000000V 00410 TRACE_TAB: .BLKB 4
00000000* 00414 .LONG <NML CHANGE-TRACE TAB>
00000000* 00418 .LONG <NML$NPA_SEDE_TRACE-TRACE_TAB>
00000000* 0041C .LONG <NML$NPA_CLPU_TRACE-TRACE_TAB>
00000000 00420 .LONG <NML$SETENTITY-TRACE_TAB>
00000000 00424 .LONG 0
00000000 00428 .LONG 0
00000000* 0042C .LONG <NML$CLEARENTITY-TRACE_TAB>
00000000 00430 .LONG 0
00000000 00434 .LONG 0
00000000 00438 .LONG 0
00000000* 0043C .LONG <NML$DEFENTITY-TRACE_TAB>
00000000 00440 .LONG 0
00000000 00444 .LONG 0
00000000 00448 .LONG 0
00000000* 0044C .LONG <NML$PURENTITY-TRACE_TAB>
00000000 00450 .LONG 0
00000000 00454 .LONG 0
00000000 00458 .LONG 0
00000000 0045C .LONG 0
00000000V 00460 TRACEPNT_TAB: .BLKB 4
00000000* 00464 .LONG <NML CHANGE-TRACEPNT TAB>
00000000* 00468 .LONG <NML$NPA_SEDE_TRACEPOINT-TRACEPNT_TAB>
00000000* 0046C .LONG <NML$NPA_CLPU_TRACEPOINT-TRACEPNT_TAB>
00000000 00470 .LONG <NML$SETENTITY-TRACEPNT_TAB>
00000000* 00474 .LONG 0
00000000 00478 .LONG <NML$SETKNOWN-TRACEPNT_TAB>
00000000 0047C .LONG 0
00000000* 00480 .LONG <NML$CLEARENTITY-TRACEPNT_TAB>
00000000 00484 .LONG 0
00000000* 00488 .LONG <NML$CLEARKNOWN-TRACEPNT_TAB>
00000000 0048C .LONG 0
00000000* 00490 .LONG <NML$DEFENTITY-TRACEPNT_TAB>
00000000 00494 .LONG 0
00000000* 00498 .LONG <NML$DEFINEKNOWN-TRACEPNT_TAB>
00000000 0049C .LONG 0
00000000 004A0 .LONG <NML$PURENTITY-TRACEPNT_TAB>
00000000 .LONG 0

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00000000* 004A4 .LONG <NML$PURGEKNOWN-TRACEPNT_TAB>
00000000 004A8 .LONG 0
004AC .BLKB 4
00000000V 004B0 x29_SERV_TAB:
.LONG <NML CHANGE-X29 SERV TAB>
00000000* 004B4 .LONG <NML$NPA_SEDE_X29_SERV-X29_SERV_TAB>
00000000* 004B8 .LONG <NML$NPA_CLPU_X29_SERV-X29_SERV_TAB>
00000000* 004BC .LONG <NML$SETENTITY-X29_SERV_TAB>
00000000 004C0 .LONG 0
00000000 004C4 .LONG 0
00000000 004C8 .LONG 0
00000000* 004CC .LONG <NML$CLEARENTITY-X29_SERV_TAB>
00000000 004D0 .LONG 0
00000000 004D4 .LONG 0
00000000 004D8 .LONG 0
00000000* 004DC .LONG <NML$DEFENTITY-X29_SERV_TAB>
00000000 004E0 .LONG 0
00000000 004E4 .LONG 0
00000000 004E8 .LONG 0
00000000* 004EC .LONG <NML$PARENTITY-X29_SERV_TAB>
00000000 004F0 .LONG 0
00000000 004F4 .LONG 0
00000000 004F8 .LONG 0
004FC .BLKB 4
00000000V 00500 x29_SERV_DEST_TAB:
.LONG <NML CHANGE-X29 SERV DEST TAB>
00000000* 00504 .LONG <NML$NPA_SEDE_X29_SERV_DEST--
X29_SERV_DEST_TAB>
00000000* 00508 .LONG <NML$NPA_CLPU_X29_SERV_DEST--
X29_SERV_DEST_TAB>
00000000* 0050C .LONG <NML$SETENTITY-X29_SERV_DEST_TAB>
00000000 00510 .LONG 0
00000000* 00514 .LONG <NML$SETKNOWN-X29_SERV_DEST_TAB>
00000000 00518 .LONG 0
00000000* 0051C .LONG <NML$CLEARENTITY-X29_SERV_DEST_TAB>
00000000 00520 .LONG 0
00000000* 00524 .LONG <NML$CLEARKNOWN-X29_SERV_DEST_TAB>
00000000 00528 .LONG 0
00000000* 0052C .LONG <NML$DEFENTITY-X29_SERV_DEST_TAB>
00000000 00530 .LONG 0
00000000* 00534 .LONG <NML$DEFINEKNOWN-X29_SERV_DEST_TAB>
00000000 00538 .LONG 0
00000000* 0053C .LONG <NML$PARENTITY-X29_SERV_DEST_TAB>
00000000 00540 .LONG 0
00000000* 00544 .LONG <NML$PURGEKNOWN-X29_SERV_DEST_TAB>
00000000 00548 .LONG 0
0054C .BLKB 4
00000000V 00550 NI_CONFIG_TAB:
.LONG <NML CHANGE-NI CONFIG TAB>
00000000* 00554 .LONG <NML$NPA_SEDE_NI_CONFIG-NI_CONFIG_TAB>
00000000* 00558 .LONG <NML$NPA_CLPU_NI_CONFIG-NI_CONFIG_TAB>
00000000* 0055C .LONG <NML$SET_NI_CONFIG-NI_CONFIG_TAB>
00000000 00560 .LONG 0
00000000* 00564 .LONG <NML$SET_NI_CONFIG-NI_CONFIG_TAB>
00000000 00568 .LONG 0
00000000* 0056C .LONG <NML$CALL_NI_CONFIG-NI_CONFIG_TAB>
00000000 00570 .LONG 0

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00000000* 00574 .LONG <NMLSCALL_NI_CONFIG-NI_CONFIG_TAB>
00000000 00578 .LONG 0
00000000* 0057C .LONG <NML$DEFENTITY-NI_CONFIG_TAB>
00000000 00580 .LONG 0
00000000* 00584 .LONG <NML$DEFINEKNOWN-NI_CONFIG_TAB>
00000000 00588 .LONG 0
00000000* 0058C .LONG <NML$PARENTITY-NI_CONFIG_TAB>
00000000 00590 .LONG 0
00000000* 00594 .LONG <NML$PURGEKNOWN-NI_CONFIG_TAB>
00000000 00598 .LONG 0
00000000 0059C .BLKB 4
00000000V 005A0 LINK_TAB:
00000000 005A4 .LONG <NML_DISCONNECT_LINKS-LINK_TAB>
00000000 005A8 .LONG 0
00000000 005AC .LONG 0
00000000 005B0 .LONG 0
00000000 005B4 .LONG 0
00000000 005B8 .LONG 0
00000000* 005BC .LONG <NML$DISCONNECT-LINK_TAB>
00000000* 005C0 .LONG <NML$DISCONNECT-LINK_TAB>
00000000* 005C4 .LONG <NML$DISCKNOW-LINK_TAB>
00000000* 005C8 .LONG <NML$DISCKNOW-LINK_TAB>
00000000 005CC .LONG 0
00000000 005D0 .LONG 0
00000000 005D4 .LONG 0
00000000 005D8 .LONG 0
00000000 005DC .LONG 0
00000000 005E0 .LONG 0
00000000 005E4 .LONG 0
00000000 005E8 .LONG 0
00000000 005EC .BLKB 4
00000000* 005F0 TABLE_TAB:
00000000* 005F4 .LONG <LINE TAB-TABLE TAB>
00000000* 005F8 .LONG <LOGGING TAB-TABLE TAB>
00000000* 005FC .LONG <SINK TAB-TABLE TAB>
00000000* 00600 .LONG <NODE TAB-TABLE TAB>
00000000* 00604 .LONG <NODEBYNAME TAB-TABLE TAB>
00000000* 00608 .LONG <LOOPNODE TAB-TABLE TAB>
00000000* 0060C .LONG <ADJACENT_NODE TAB-TABLE TAB>
00000000* 00610 .LONG <EXECUTOR TAB-TABLE TAB>
00000000* 00614 .LONG <OBJECT TAB-TABLE TAB>
00000000* 00618 .LONG <CIRCUIT TAB-TABLE TAB>
00000000* 0061C .LONG <CIRCUIT_ADJACENT TAB-TABLE TAB>
00000000* 00620 .LONG <CIRCUIT_ADJ_SRC TAB-TABLE TAB>
00000000* 00624 .LONG <AREA TAB-TABLE TAB>
00000000* 00628 .LONG <ACCESS TAB-TABLE TAB>
00000000* 0062C .LONG <PROT_NET TAB-TABLE TAB>
00000000* 00630 .LONG <PROT_DTE TAB-TABLE TAB>
00000000* 00634 .LONG <PROT_GRP TAB-TABLE TAB>
00000000* 00638 .LONG <X25_SERV TAB-TABLE TAB>
00000000* 0063C .LONG <X25_SERV_DEST TAB-TABLE TAB>
00000000* 00640 .LONG <TRACE TAB-TABLE TAB>
00000000* 00644 .LONG <TRACEPNT TAB-TABLE TAB>
00000000* 00648 .LONG <X29_SERV TAB-TABLE TAB>
00000000* 0064C .LONG <X29_SERV_DEST TAB-TABLE TAB>
00000000* 0064C .LONG <NI_CONFIG_TAB-TABLE TAB>

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00000000* 00650 .LONG <LINK_TAB-TABLE_TAB>
00654 .BLKB 4 ;

```

SINK_TAB= P.AAA
LOOPNODE_TAB= P.AAB
ADJACENT_NODE_TAB= P.AAC
CIRCUIT_ADJACENT_TAB= P.AAD
CIRCUIT_DJ_SRC_TAB= P.AAE
AREA_TAB= P.AAF
.EXTRN NML$GB_EVTSRCTYP
.EXTRN NML$GQ_EVTSRCDSC
.EXTRN NML$GW_EVTCLASS
.EXTRN NML$GB_EVTMSKTYP
.EXTRN NML$GQ_EVTMSKDSC
.EXTRN NML$GW_EVTSNKADR
.EXTRN NML$GW_ACP_CHAN
.EXTRN NML$GL_LOGMASK, NML$GQ_ENTSTRDSC
.EXTRN NML$AB_QIOBUFFER
.EXTRN NML$GQ_QIOBFDSC
.EXTRN NML$AB_EXEBUFFER
.EXTRN NML$GL_EXEDATPTR
.EXTRN NML$GQ_EXEDATDSC
.EXTRN NML$GQ_EXEBFDSC
.EXTRN NML$AB_RCVBUFFER
.EXTRN NML$GQ_RCVBFDSC
.EXTRN NML$AB_SNDBUFFER
.EXTRN NML$GQ_SNDBFDSC
.EXTRN NML$GL_RCVDATLEN
.EXTRN NML$AB_CPTABLE, NML$AB_MSGBLOCK
.EXTRN NML$AB_ENTITY_ID
.EXTRN NML$AB_QUALIFIER_ID
.EXTRN NML$AB_ENTITYDATA
.EXTRN NML$AB_NML_NMV, NML$AB_PRMSEM
.EXTRN NML$AB_RECBUF, NML$AL_ENTINFOTAB
.EXTRN NML$AL_PERMINFTAB
.EXTRN NML$AW_PRM_DES, NML$GB_CMD_VER
.EXTRN NML$GB_ENTITY_CODE
.EXTRN NML$GB_ENTITY_FORMAT
.EXTRN NML$GL_QUALIFIER_PST
.EXTRN NML$GB_QUALIFIER_FORMAT
.EXTRN NML$GB_FUNCTION
.EXTRN NML$GB_INFO, NML$GB_OPTIONS
.EXTRN NML$GL_PRCODE, NML$GL_PRS_FLGS
.EXTRN NML$GL_NML_ENTITY
.EXTRN NML$GQ_NETNAMDSC
.EXTRN NML$GQ_RECBFDC
.EXTRN NML$GW_PRMDESCNT
.EXTRN NML$AB_NPA_BLK, NML$NPA_CLPUCIR
.EXTRN NML$NPA_CLPULIN
.EXTRN NML$NPA_CLPULNK
.EXTRN NML$NPA_CLPULOG
.EXTRN NML$NPA_CLPUNOD
.EXTRN NML$NPA_CLPUEXE
.EXTRN NML$NPA_CLPUOBJ
.EXTRN NML$NPA_SEDECIR
.EXTRN NML$NPA_SEDELIN

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.EXTRN NML$NPA_SEDELOG
.EXTRN NML$NPA_SEDENOD
.EXTRN NML$NPA_SEDEEXE
.EXTRN NML$NPA_SEDE_X25_ACCESS
.EXTRN NML$NPA_SEDE_PROT_NET
.EXTRN NML$NPA_SEDE_PROT_DTE
.EXTRN NML$NPA_SEDE_PROT_GRP
.EXTRN NML$NPA_SEDE_X25_SERV
.EXTRN NML$NPA_SEDE_X25_SERV_DEST
.EXTRN NML$NPA_SEDE_TRACE
.EXTRN NML$NPA_SEDE_TRACEPOINT
.EXTRN NML$NPA_SEDE_X29_SERV
.EXTRN NML$NPA_SEDE_X29_SERV_DEST
.EXTRN NML$NPA_SEDE_NI_CONFIG
.EXTRN NML$NPA_CLPU_X25_ACCESS
.EXTRN NML$NPA_CLPU_PROT_NET
.EXTRN NML$NPA_CLPU_PROT_DTE
.EXTRN NML$NPA_CLPU_PROT_GRP
.EXTRN NML$NPA_CLPU_X25_SERV
.EXTRN NML$NPA_CLPU_X25_SERV_DEST
.EXTRN NML$NPA_CLPU_TRACE
.EXTRN NML$NPA_CLPU_TRACEPOINT
.EXTRN NML$NPA_CLPU_X29_SERV
.EXTRN NML$NPA_CLPU_X29_SERV_DEST
.EXTRN NML$NPA_CLPU_NI_CONFIG
.EXTRN NML$NPA_SEDEOBJ
.EXTRN LIB$ESTABLISH, LIB$REVERT
.EXTRN NML$PARSE, NML$BLD_REPLY
.EXTRN NML$CALL_NI_CONFIG
.EXTRN NML$CLEARENTITY
.EXTRN NML$CAREXECUTOR
.EXTRN NML$CLEARKNOLOG
.EXTRN NML$CLEARKNOWNODES
.EXTRN NML$CLEARKNOWN, NML$CLEARLOGGING
.EXTRN NML$DEFENTITY, NML$DEFINE_NODE
.EXTRN NML$DEFINEKNOWN
.EXTRN NML$DEFINE_KNOWN_NODES
.EXTRN NML$DEFKNOONLOG
.EXTRN NML$DEFLOGGING, NML$DISCKNOWN
.EXTRN NML$DISCONNECT, NML$ERROR 1
.EXTRN NML$ERROR 2, NML$MAINHANDLER
.EXTRN NML$OPENFILE, NML$PARENTITY
.EXTRN NML$PURGE_KNOWN_NODES
.EXTRN NML$PURGERKNOWN, NML$PURLOGGING
.EXTRN NML$SEND, NML$SETENTITY
.EXTRN NML$SETEXECUTOR
.EXTRN NML$SETKNOLOG, NML$SETKNONODES
.EXTRN NML$SETKNOWN, NML$SETLINE
.EXTRN NML$SETLOGGING, NML$SET_NI_CONFIG

```

.PSECT \$CODE\$,NOWRT,2

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01FC 000C0
58 00000000G 00 9E 00002
57 00000000' 00 9E 00009
53 00000000G 00 D0 00010
50 67 9E 00017

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.ENTRY NML$CHANGE, Save R2,R3,R4,R5,R6,R7,R8 : 0463
MOVAB NML$GB_OPTIONS, R8 :
MOVAB TABLE_TAB, R7 :
MOVL NML$G[NML_ENTITY], R3 : 0504
MOVAB TABLE_TAB, R0 :

```

51	50	6743	C1	0001A	ADDL3	TABLE TAB[R3], R0, ENT TAB	0551
	55	0000000G	00	98 0001F	CVTBL	NML\$GB ENTITY_FORMAT, R5	0505
			51	D5 00026	TSTL	ENT_TAB	
			77	13 00028	BEQL	11\$	
56	61		51	C1 0002A	ADDL3	ENT_TAB, (ENT_TAB), RTN_ADDR	0507
	51		56	D1 0002E	CMPL	RTN_ADDR, ENT_TAB	0513
			6E	13 00031	BEQL	11\$	
50	68		06	EF 00033	EXTZV	#6, #1, NML\$GB_OPTIONS, R0	0518
	07		50	E9 00038	BLBC	R0, 1\$	
	54	08	A1	C1 0003B	ADDL3	8(ENT_TAB), ENT_TAB, PARSE_TAB	0519
			05	11 00040	BRB	2\$	
	54	04	A1	C1 00042	ADDL3	4(ENT_TAB), ENT_TAB, PARSE_TAB	0521
			68	95 00047	1STB	NML\$GB_OPTIONS	0528
			0F	18 00049	BGEQ	4\$	
			50	E9 0004B	BLBC	R0, 3\$	0530
	50	3C	A1	9E 0004E	MOVAB	60(R1), CHANGE_TABLE_ADR	0531
			13	11 00052	BRB	6\$	
	50	2C	A1	9E 00054	MOVAB	44(R1), CHANGE_TABLE_ADR	0533
			0D	11 00058	BRB	6\$	0528
	06		50	E9 0005A	BLBC	R0, 5\$	0537
	50	1C	A1	9E 0005D	MOVAB	28(R1), CHANGE_TABLE_ADR	0538
			04	11 00061	BRB	6\$	
	50	0C	A1	9E 00063	MOVAB	12(R1), CHANGE_TABLE_ADR	0540
52	0000000G	00	01	02 EF 00067	EXTZV	#2, #1, NML\$GL_PRS_FCGS, R2	0553
		FFFFFFF	8F	55 D1 00070	CMPL	R5, #-1	0551
			0F	12 00077	BNEQ	8\$	
	06		52	E9 00079	BLBC	R2, 7\$	0553
	52	0C	A0	D0 0007C	MOVL	12(CHANGE_TABLE_ADR), CHANGE_RTN	0554
			12	11 00080	BRB	10\$	
	52	08	A0	D0 00082	MOVL	8(CHANGE_TABLE_ADR), CHANGE_RTN	0556
			0C	11 00086	BRB	10\$	0551
	06		52	E9 00088	BLBC	R2, 9\$	0560
	52	04	A0	D0 0008B	MOVL	4(CHANGE_TABLE_ADR), CHANGE_RTN	0561
			03	11 0008F	BRB	10\$	
	52		60	D0 00091	MOVL	(CHANGE_TABLE_ADR), CHANGE_RTN	0563
			0B	13 00094	BEQL	11\$	0569
	52		51	C0 00096	ADDL2	ENT_TAB, CHANGE_RTN	0571
			52	DD 00099	PUSHL	CHANGE_RTN	0577
			18	BB 0009B	PUSHR	#*M<R3,R4>	0575
	66		03	FB 0009D	CALLS	#3, (RTN_ADDR)	
			04	000A0	RET		0569
			55	DD 000A1	PUSHL	R5	0586
			09	CE 000A3	MNEGL	#9, -(SP)	
	0000000G	00	02	FB 000A6	CALLS	#2, NML\$ERROR_2	
			04	000AD	RET		0587

; Routine Size: 174 bytes, Routine Base: \$CODE\$ + 0000

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0588 1 %SBTTL 'NML_CHANGE Change parameters'
0589 1 ROUTINE NML_CHANGE (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
0590 1
0591 1 ++
0592 1 FUNCTIONAL DESCRIPTION:
0593 1
0594 1 This routine dispatches to the routine which changes the permanent
0595 1 or volatile data base.
0596 1
0597 1 INPUTS:
0598 1 ENTITY The internal NML index for the entity specified in
0599 1 the NICE command.
0600 1 PARSE_TAB Address of NICE message parsing table.
0601 1 CHANGE_RTN Address of routine to perform change requested
0602 1 by NICE message.
0603 1
0604 1 IMPLICI INPUTS:
0605 1
0606 1 NML$GB_ENTITY_FORMAT contains the entity format code.
0607 1
0608 1 --
0609 1
0610 2 BEGIN
0611 2
0612 2 MAP
0613 2 NML$GB_ENTITY_FORMAT : BYTE SIGNED;
0614 2
0615 2 IF NOT NMA$NPARSE (NML$AB_NPA_BLK, .PARSE_TAB) THEN
0616 2 NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE)
0617 2 ELSE
0618 2 BEGIN
0619 2 SELECTONEU .NML$GB_ENTITY_FORMAT OF
0620 2 SET
0621 2 [NMA$C_ENT_KNO]: ! Known entities
0622 2 NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN, 0, 0, 0, 0, 0);
0623 2
0624 2 [1 TO 31]: ! Single entity
0625 2 BEGIN
0626 2
0627 2 All entity names except X25 Tracepoints must be 1 to 16
0628 2 characters.
0629 2
0630 2 IF .NML$GB_ENTITY_FORMAT GTR 16 AND
0631 2 .ENTITY_NEO NML$C_TRACEPNT THEN
0632 2 NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE)
0633 2 ELSE
0634 2 NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN,
0635 2 .NML$GB_ENTITY_FORMAT, NML$AB_ENTITY_ID,
0636 2 .NML$GL_QUALIFIER_PST,
0637 2 .NML$GB_QUALIFIER_FORMAT,
0638 2 NML$AB_QUALIFIER_ID);
0639 2
0640 2 END;
0641 2 [OTHERWISE]:
0642 2 NML$ERROR_2 (NMA$C_STS_IDE, .NML$GB_ENTITY_CODE);
0643 2 YES;
0644 2 END;

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0645 1 END;

! End of NML_CHANGE

0004 00000 NML_CHANGE:						
		08	AC DD 00002	.WORD	Save R2	: 0589
		00	9F 00005	PUSHL	PARSE TAB	: 0615
00000000G	00	00	FB 0000B	PUSHAB	NML\$AB_NPA_BLK	
	52	50	E9 00012	CALLS	#2, NML\$NPARSE	
	52	00	98 00015	BLBC	R0, 4\$	
	FF	8F	00	CVTBL	NML\$GB_ENTITY_FORMAT, R2	: 0619
			52	CMPB	R2, #-T	: 0621
			08	BNEQ	1\$	
			7E	CLRQ	-(SP)	: 0622
			7E	CLRQ	-(SP)	
			7E	CLRL	-(SP)	
			2F	BRB	3\$	
			52	TSTL	R2	: 0624
			39	BEQL	4\$	
	1F		52	CMPB	R2, #31	
			34	BGTRU	4\$	
	10		52	CMPB	R2, #16	: 0630
			06	BLEQ	2\$	
	14	04	AC D1 00038	CMPL	ENTITY, #20	: 0631
			29	BNEQ	4\$	
			00	PUSHAB	NML\$AB_QUALIFIER_ID	: 0634
	7E	00000000G	00	MOVZBL	NML\$GB_QUALIFIER_FORMAT, -(SP)	: 0637
		00000000G	00	PUSHL	NML\$GL_QUALIFIER_PST	: 0636
		00000000G	00	PUSHAB	NML\$AB_ENTITY_ID	: 0634
			52	PUSHL	R2	: 0635
			0C	PUSHL	CHANGE_RTN	: 0634
		04	AC DD 00059	PUSHL	ENTITY	
00000000V	00		07	PUSHL	ENTITY	
			04	CALLS	#7, NML_CHANGE_PLURAL	
			04	RET		: 0619
	7E	00000000G	00	MOVZBL	NML\$GB_ENTITY_CODE, -(SP)	: 0642
	7E		09	MNEGL	#9, -(SP)	
00000000G	00		02	CALLS	#2, NML\$ERROR_2	
			04	RET		: 0645

: Routine Size: 121 bytes, Routine Base: \$CODE\$ + 00AE

```

651 0646 1 %SBTTL 'NML_CHANGE_LOGGING Set logging volatile parameters'
652 0647 1 ROUTINE NML_CHANGE_LOGGING (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
653 0648 1
654 0649 1 **
655 0550 1 FUNCTIONAL DESCRIPTION:
656 0651 1
657 0652 1     This routine sets the specified logging parameters into the volatile
658 0653 1     data base.
659 0654 1
660 0655 1 FORMAL PARAMETERS:
661 0656 1
662 0657 1 INPUTS:
663 0658 1     ENTITY           The internal NML index for the entity specified in
664 0659 1                     the NICE command.
665 0660 1     PARSE_TAB       Address of NICE message parsing table.
666 0661 1     CHANGE_RTN      Address of routine to perform change requested
667 0662 1                     by NICE message.
668 0663 1
669 0664 1 IMPLICIT INPUTS:
670 0665 1     NML$GB_ENTITY_FORMAT contains the entity format code.
671 0666 1
672 0667 1 --
673 0668 1
674 0669 2 BEGIN
675 0670 2
676 0671 2 MAP
677 0672 2     NML$GB_ENTITY_FORMAT : BYTE SIGNED;
678 0673 2
679 0674 2 LOCAL
680 0675 2     LEN,
681 0676 2     ENTITY_ID;
682 0677 2
683 0678 2 IF NOT NMASNPARSE (NML$AB_NPA_BLK,
684 0679 2                     .PARSE_TAB) THEN
685 0680 2     NML$ERROR_2 (NMASC_STS_IDE, NMASC_ENT_LOG) ! Option error
686 0681 2 ELSE
687 0682 2     BEGIN
688 0683 2     SELECTONEU .NML$GB_ENTITY_FORMAT OF
689 0684 2     SET
690 0685 2     [NMASC_ENT_KNO]:           ! Known entities
691 0686 2     BEGIN
692 0687 2     LEN = 0;
693 0688 2     ENTITY_ID = 0;
694 0689 2     END;
695 0690 2
696 0691 2     [NMASC_SNK_CON,           ! Console
697 0692 2     NMASC_SNK_FIL,           ! File
698 0693 2     NMASC_SNK_MON]:         ! Monitor
699 0694 2     BEGIN
700 0695 2     LEN = .NML$GB_ENTITY_FORMAT;
701 0696 2     ENTITY_ID = 0;
702 0697 2     END;
703 0698 2
704 0699 2     [OTHERWISE]:
705 0700 2     NML$ERROR_2 (NMASC_STS_IDE, NMASC_ENT_LOG); ! Option error
706 0701 2     YES;
707 0702 2     END;

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: 708
: 709
: 710
0703 2 NML_CHANGE_PLURAL (.ENTITY, .CHANGE_RTN, .LEN, .ENTITY_ID, 0, 0, 0)
0704 2
0705 1 END;

! End of NML_SET_LOGGING

000C 00000 NML_CHANGE_LOGGING:						
		08	AC DD 00002	.WORD	Save R2,R3	: 0647
		00000000G	00 9F 00005	PUSHL	PARSE TAB	: 0679
00000000G	00		02 FB 0000B	PUSHAB	NML\$AB NPA BLK	: 0678
	21		50 E9 00012	CALLS	#2, NML\$NPARSE	
	50	00000000G	00 98 00015	BLBC	R0, 3\$	
	FF	8F	50 91 0001C	CVTBL	NML\$GB ENTITY_FORMAT, R0	: 0683
			04 12 00020	CMPB	R0, #-1	: 0685
			53 D4 00022	BNEQ	1\$	
			0C 11 00024	CLRL	LEN	: 0687
			50 D5 00026	BRB	2\$: 0688
			0C 13 00028	TSTL	R0	: 0691
	03		50 91 0002A	BEQL	3\$	
			07 1A 0002D	CMPB	R0, #3	
	53		50 D0 0002F	BGTRU	3\$	
			52 D4 00032	MOVL	R0, LEN	: 0695
			0C 11 00034	CLRL	ENTITY_ID	: 0696
			02 DD 00036	BRB	4\$: 0683
	7E		09 CE 00038	PUSHL	#2	: 0700
00000000G	00		02 FB 0003B	MNEGL	#9, -(SP)	
			7E 7C 00042	CALLS	#2, NML\$ERROR_2	
			7E D4 00044	CLRL	-(SP)	: 0703
			52 DD 00046	CLRL	-(SP)	
			53 DD 00048	PUSHL	ENTITY_ID	
		0C	AC DD 0004A	PUSHL	LEN	
		04	AC DD 0004D	PUSHL	CHANGE_RTN	
00000000V	00		07 FB 00050	PUSHL	ENTITY	
			04 00057	CALLS	#7, NML_CHANGE_PLURAL	: 0705
				RET		

; Routine Size: 88 bytes. Routine Base: \$CODES + 0127

```

712 0706 1 %SBTTL 'NML_CHANGE_NODE Change node parameters'
713 0707 1 ROUTINE NML_CHANGE_NODE (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
714 0708 1
715 0709 1 |**
716 0710 1 | FUNCTIONAL DESCRIPTION:
717 0711 1 | This routine dispatches to the routine which changes the permanent
718 0712 1 | or volatile data base for nodes.
719 0713 1 |
720 0714 1 | INPUTS:
721 0715 1 | ENTITY The internal NML index for the entity specified
722 0716 1 | in the NICE command.
723 0717 1 | PARSE_TAB Address of NICE message parsing table.
724 0718 1 | CHANGE_RTN Address of routine to perform change requested
725 0719 1 | by NICE message.
726 0720 1 |
727 0721 1 | IMPLICIT INPUTS:
728 0722 1 |
729 0723 1 | NML$GB_ENTITY_FORMAT contains the entity format code.
730 0724 1 |
731 0725 1 | --
732 0726 1 |
733 0727 2 BEGIN
734 0728 2
735 0729 2 MAP
736 0730 2 nml$gb_entity_format : BYTE SIGNED;
737 0731 2
738 0732 2 LOCAL
739 0733 2 len,
740 0734 2 entity_id;
741 0735 2
742 0736 2 IF NOT nma$npars (nml$ab_npa_blk,
743 0737 2 .parse_tab) THEN
744 0738 2 nml$error_2 (nma$sc_sts_ide, nma$sc_ent_nod) ! Option error
745 0739 2 ELSE
746 0740 2 BEGIN
747 0741 3 SELECTONEU .nml$gb_entity_format OF
748 0742 3 SET
749 0743 3 [nma$sc_ent_kno]: ! Known entities
750 0744 4 BEGIN
751 0745 4 len = 0;
752 0746 4 entity_id = 0;
753 0747 3 END;
754 0748 3
755 0749 3 [nma$sc_ent_add]: ! Node is specified by address
756 0750 4 BEGIN
757 0751 4 len = 2;
758 0752 4 entity_id = nml$ab_entity_id;
759 0753 3 END;
760 0754 3
761 0755 3 [1 TO 6]:
762 0756 4 BEGIN
763 0757 4 len = .nml$gb_entity_format;
764 0758 4 entity_id = nml$ab_entity_id;
765 0759 3 END;
766 0760 3
767 0761 3 [OTHERWISE]:
768 0762 3 nml$error_2 (nma$sc_sts_ide, nma$sc_ent_nod); ! Option error

```

```

: 769      0763      3      TES;
: 770      0764      3      END;
: 771      0765      3      nml_change_plural (.entity, .change_rtn,
: 772      0766      3      .len, .entity_id,
: 773      0767      3      0, 0, 0);
: 774      0768      2
: 775      0769      1      END;
                                ! End of NML_CHANGE_NODE

```

000C 00000 NML_CHANGE_NODE:						
		08	AC DD 00002	.WORD	Save R2,R3	0707
		00000000G	00 9F 00005	PUSHL	PARSE TAB	0737
			02 FB 0000B	PUSHAB	NML\$AB_NPA_BLK	0736
			50 E9 00012	CALLS	#2, NML\$NPARSE	
			50 98 00015	BLBC	R0, 4\$	
		00000000G	50 91 0001C	CVTBL	NML\$GB_ENTITY_FORMAT, R0	0741
		FF	04 12 00020	CMPB	R0, #-1	0743
			52 7C 00022	BNEQ	1\$	
			26 11 00024	CLRQ	ENTITY_ID	0746
			50 D5 00026	BRB	5\$	0741
			05 12 00028	TSTL	R0	0749
		53	02 D0 0002A	BNEQ	2\$	
			08 11 0002D	MOVL	#2, LEN	0751
		06	50 91 0002F	BRB	3\$	0752
			0C 1A 00032	CMPB	R0, #6	0755
		53	50 D0 00034	BGTRU	4\$	
		52 00000000G	00 9E 00037	MOVL	R0, LEN	0757
			0C 11 0003E	MOVAB	NML\$AB_ENTITY_ID, ENTITY_ID	0758
			7E D4 00040	BRB	5\$	0741
		7E	09 CE 00042	CLRL	-(SP)	0762
		00000000G	02 FB 00045	MNEGL	#9, -(SP)	
			7E 7C 0004C	CALLS	#2, NML\$ERROR_2	
			7E D4 0004E	CLRQ	-(SP)	0765
			52 DD 00050	CLRL	-(SP)	
			53 DD 00052	PUSHL	ENTITY_ID	0766
		0C	AC DD 00054	PUSHL	LEN	
		04	AC DD 00057	PUSHL	CHANGE_RTN	0765
		00000000V	07 FB 0005A	PUSHL	ENTITY	
			04 00061	CALLS	#7, NML_CHANGE_PLURAL	0769
				RET		

; Routine Size: 98 bytes, Routine Base: \$CODE\$ + 017F

```

777 0770 1 %SBTTL 'NML_CHANGE_EXECUTOR Change executor parameters'
778 0771 1 ROUTINE NML_CHANGE_EXECUTOR (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
779 0772 1
780 0773 1 !++
781 0774 1 FUNCTIONAL DESCRIPTION:
782 0775 1 This routine dispatches to the routine which changes the permanent
783 0776 1 or volatile data base.
784 0777 1
785 0778 1 INPUTS:
786 0779 1 ENTITY The internal NML index for the entity specified
787 0780 1 in the NICE command.
788 0781 1 PARSE_TAB Address of NICE message parsing table.
789 0782 1 CHANGE_RTN Address of routine to perform change requested
790 0783 1 by NICE message.
791 0784 1
792 0785 1 IMPLICIT INPUTS:
793 0786 1 NML$GB_ENTITY_FORMAT contains the entity format code.
794 0787 1
795 0788 1 --
796 0789 1
797 0790 2 BEGIN
798 0791 2
799 0792 2 MAP
800 0793 2 nml$gb_entity_format : BYTE SIGNED;
801 0794 2
802 0795 2 IF (.nml$gb_entity_format EQL nma$e_ent_add) OR
803 0796 2 (.nml$gb_entity_format LEQ 6) THEN
804 0797 3 BEGIN
805 0798 3 IF nma$npars (nml$ab_npa_blk,
806 0799 3 .parse_tab) THEN
807 0800 3 nml_change_plural (.entity, .change_rtn, 0, 0, 0, 0, 0);
808 0801 3 END
809 0802 2 ELSE
810 0803 2 nml$error_2 (nma$e_sts_ide, nma$e_ent_nod); ! Option error
811 0804 2
812 0805 1 END; ! End of NML_CHANGE_EXECUTOR

```

```

0000 00000 NML_CHANGE_EXECUTOR:
      50 0000000G 00 98 00002 .WORD Save nothing ; 0771
      05 13 00009 CVTBL NML$GB_ENTITY_FORMAT, R0 ; 0795
      06 50 91 0000B BEQL 1$ ;
      27 14 0000E CMPB R0, #6 ; 0796
      08 AC DD 00010 1$: BGTR 2$ ;
      00000000G 00 9F 00013 PUSHL PARSE_TAB ; 0799
      00000000G 00 02 FB 00019 PUSHAB NML$AB_NPA_BLK ; 0798
      20 50 E9 00020 CALLS #2, NMA$NPARSE ;
      7E 7C 00023 BLBC R0, 3$ ;
      7E 7C 00025 CLRQ -(SP) ; 0800
      7E 7C 00027 CLRQ -(SP) ;
      0C AC DD 00029 CLRQ -(SP) ;
      04 AC DD 0002C PUSHL CHANGE_RTN ;
      00000000V 00 07 FB 0002F PUSHL ENTITY ;
      CALLS #7, NML_CHANGE_PLURAL ;

```

00000000G	7E	00	04	00036	RET		
			09	D4 00037	CLRL	-(SP)	
			02	CE 00039	MNEGL	#9, -(SP)	
				FB 0003C	CALLS	#2, NML\$ERROR_2	
			04	00043	RET		3\$:

: 0795
: 0803
: :
: :
: 0805

: Routine Size: 68 bytes, Routine Base: \$CODE\$ + 01E1




```

0814 1 %SBTTL 'NML_CHANGE_NETWORK Change X25-Protocol and X25-Access network parameters'
0815 1 ROUTINE NML_CHANGE_NETWORK (ENTITY, PARSE_TAB, CHANGE_RTN) : NOVALUE =
0816 1
0817 1 **
0818 1 FUNCTIONAL DESCRIPTION:
0819 1 This routine dispatches to the routine which changes the permanent
0820 1 or volatile data base for X25-Protocol and X25-Access networks.
0821 1
0822 1 INPUTS:
0823 1 ENTITY The internal NML index for the entity specified in
0824 1 the NICE command.
0825 1 PARSE_TAB Address of NICE message parsing table.
0826 1 CHANGE_RTN Address of routine to perform change requested
0827 1 by NICE message.
0828 1
0829 1 IMPLICIT INPUTS:
0830 1 NML$GB_ENTITY_FORMAT contains the entity format code.
0831 1
0832 1 --
0833 1
0834 1 BEGIN
0835 1
0836 1 MAP
0837 1 nml$gb_entity_format : BYTE SIGNED;
0838 1
0839 1 IF NOT nml$npa_parse (nml$ab_npa_blk, .parse_tab) THEN
0840 1 nml$error_2 (nml$sc_sts_ide, .nml$gb_entity_code)
0841 1 ELSE
0842 1 BEGIN
0843 1 SELECTONEU .nml$gb_entity_format OF
0844 1 SET
0845 1 [nml$sc_ent_kno]: ! Known networks
0846 1 nml_change_plural (.entity, .change_rtn,
0847 1 .nml$gb_entity_format, 0,
0848 1 0, 0, 0);
0849 1
0850 1 [0]: ! Active network
0851 1 nml_change_plural (.entity, .change_rtn,
0852 1 0, 0,
0853 1 0, 0, 0);
0854 1
0855 1 [1 TO 16]: ! Single network
0856 1 nml_change_plural (.entity, .change_rtn,
0857 1 .nml$gb_entity_format, nml$ab_entity_id,
0858 1 0, 0, 0);
0859 1
0860 1 [OTHERWISE]:
0861 1 nml$error_2 (nml$sc_sts_ide, .nml$gb_entity_code);
0862 1
0863 1 TES;
0864 1 END;
1 END; ! End of NML_CHANGE_NETWORK

```

0004 0000 NML_CHANGE_NETWORK:

		08	AC	DD	00002	.WORD	Save R2	:	0807
		00000000G	00	9F	00005	PUSHL	PARSE TAB	:	0831
00000000G	00		02	FB	0000B	PUSHAB	NML\$AB NPA BLK	:	
	3E		50	E9	00012	CALLS	#2, NML\$NPARSE	:	
	52	00000000G	00	98	00015	BLBC	R0, 5\$:	
FF	8F		52	91	0001C	CVTBL	NML\$GB_ENTITY_FORMAT, R2	:	0835
			06	12	00020	CMPB	R2, #-T	:	0837
			7E	7C	00022	BNEQ	1\$:	
			7E	7C	00024	CLRQ	-(SP)	:	0838
			1B	11	00026	CLRQ	-(SP)	:	
			52	D5	00028	BRB	3\$:	0839
			08	12	0002A	TSTL	R2	:	0842
			7E	7C	0002C	BNEQ	2\$:	
			7E	7C	0002E	CLRQ	-(SP)	:	0843
			7E	7C	0002E	CLRQ	-(SP)	:	
			7E	D4	00030	CLRL	-(SP)	:	
			11	11	00032	BRB	4\$:	
	10		52	91	00034	CMPB	R2, #16	:	0847
			1A	1A	00037	BGTRU	5\$:	
			7E	7C	00039	CLRQ	-(SP)	:	0848
			7E	D4	0003B	CLRL	-(SP)	:	
		00000000G	00	9F	0003D	PUSHAB	NML\$AB_ENTITY_ID	:	
			52	DD	00043	PUSHL	R2	:	0849
		0C	AC	DD	00045	PUSHL	CHANGE_RTN	:	0848
		04	AC	DD	00048	PUSHL	ENTITY	:	
00000000V	00		07	FB	0004B	CALLS	#7, NML_CHANGE_PLURAL	:	
				04	00052	RET		:	
	7E	00000000G	00	9A	00053	MOVZBL	NML\$GB_ENTITY_CODE, -(SP)	:	0853
	7E		09	CE	0005A	MNEGL	#9, -(SP)	:	
00000000G	00		02	FB	0005D	CALLS	#2, NML\$ERROR_2	:	
			04	00064	RET			:	0856

: Routine Size: 101 bytes, Routine Base: \$CODE\$ + 0225

```

866 0857 1 %SBT~L 'NML_DISCONNECT_LINKS Clear link volatile parameters'
867 0858 1 ROUTINE NML_DISCONNECT_LINKS : NOVALUE =
868 0859 1
869 0860 1 |*+
870 0861 1 | FUNCTIONAL DESCRIPTION:
871 0862 1 |
872 0863 1 |     This routine clears the specified link parameters into the volatile
873 0864 1 |     data base.
874 0865 1 |
875 0866 1 | IMPLICIT INPUTS:
876 0867 1 |
877 0868 1 |     NM $GL_PRS_FLGS contains the parse flags.
878 0869 1 |     NML$GB_ENTITY_FORMAT contains the entity format code.
879 0870 1 |
880 0871 1 | --
881 0872 1 |
882 0873 2 BEGIN
883 0874 2
884 0875 2 MAP
885 0876 2     nml$gb_entity_format : BYTE SIGNED;
886 0877 2
887 0878 2 |
888 0879 2 | All functions specifying the link entity must be system-specific.
889 0880 2 |
890 0881 2 |
891 0882 2 IF .nml$gl_prs_flg [nml$pr_vms] THEN
892 0883 2     SELECT ONEU .nml$gb_entity_format OF
893 0884 2     SET
894 0885 2     [nma$ent_kno]: ! Known
895 0886 2     nml_change_plural (nml$links,
896 0887 2     nml$discknow,
897 0888 2     .nml$gl_qualifier_pst,
898 0889 2     .nml$gb_qualifier_format,
899 0890 2     nml$ab_qualifier_id);
900 0891 2
901 0892 2
902 0893 2     [nma$ent_add]:
903 0894 2     nml_change_plural (nml$links,
904 0895 2     nml$disconnect,
905 0896 2     .(nml$ab_entity_id)<0,16>, 0);
906 0897 2
907 0898 2     TES;
908 0899 2 nml$error_2 (nma$sts_ide, nma$sent_lnk); ! Option error
909 0900 2
910 0901 1 END; ! End of NML_DISCONNECT_LINKS

```

```

0004 0000 NML_DISCONNECT_LINKS:
      52 00000000V 00 9E 00002 .WORD Save R2
      45 00000000G 00 E9 00009 MOVAB NML_CHANGE_PLURAL, R2
      50 00000000G 00 98 00010 BLBC NML$GL_PRS_FLGS, 2$
      FF 8F 50 91 00017 CVTBL NML$GB_ENTITY_FORMAT, R0
      20 12 0001B CMPB R0, #-1
      BNEQ 1$

```

```

: 0858
: 0882
: 0883
: 0885
:

```

	00000000G	00	9F	00C1D	PUSHAB	NML\$AB_QUALIFIER_ID	:	0886
7E	00000000G	00	9A	00023	MOVZBL	NML\$GB_QUALIFIER_FORMAT, -(SP)	:	0889
	00000000G	00	DD	0002A	PUSHL	NML\$GL_QUALIFIER_PST	:	0888
	00000000G	00	9F	00030	PUSHAB	NML\$DISCKNOWN	:	0886
		18	DD	00036	PUSHL	#24	:	
62		05	FB	00038	CALLS	#5, NML_CHANGE_PLURAL	:	
		18	11	0003B	BRB	2\$:	
		50	05	0003D	TSTL	R0	:	0893
		14	12	0003F	BNEQ	2\$:	
		7E	D4	00041	CLRL	-(SP)	:	0894
7E	00000000G	00	3C	00043	MOVZWL	NML\$AB_ENTITY_ID, -(SP)	:	0896
	00000000G	00	9F	0004A	PUSHAB	NML\$DISCONNECT	:	0894
		18	DD	00050	PUSHL	#24	:	
62		04	FB	00052	CALLS	#4, NML_CHANGE_PLURAL	:	
		07	DD	00055	PUSHL	#7	:	0899
		7E	09	CE	MNEGL	#9, -(SP)	:	
	00000000G	00	02	FB	CALLS	#2, NML\$ERROR_2	:	
			04	00061	RET		:	0901

; Routine Size: 98 bytes, Routine Base: \$CODE\$ + 028A

```

912 0902 1 %SBTTL 'NML_CHANGE_PLURAL Change plural entity parameters'
913 0903 1 ROUTINE NML_CHANGE_PLURAL (ENT, RTN, PRM1, PRM2, PRM3, PRM4, PRM5) : NOVALUE =
914 0904 1
915 0905 1 ++
916 0906 1 FUNCTIONAL DESCRIPTION:
917 0907 1
918 0908 1     This routine performs initialization for change operations.
919 0909 1     The NICE framing messages (plural and done) are transmitted and
920 0910 1     the SET/CLEAR/DEFINE/PURGE routine is called.
921 0911 1
922 0912 1 FORMAL PARAMETERS:
923 0913 1
924 0914 1     ENT           Entity type code.
925 0915 1     RTN           Address of routine to be called.
926 0916 1     PRM1 - PRM5  Function-specific routine parameters.
927 0917 1
928 0918 1 SIDE EFFECTS:
929 0919 1
930 0920 1     Several NICE messages are transmitted.
931 0921 1
932 0922 1 --
933 0923 1
934 0924 2 BEGIN
935 0925 2
936 0926 2 MAP
937 0927 2     nml$gb_options : BBLOCK [1];
938 0928 2
939 0929 2 LOCAL
940 0930 2     msgsize;
941 0931 2
942 0932 2 IF .nml$gb_options [nma$opt_per] THEN
943 0933 2
944 0934 2     Open permanent data base file specified for write.
945 0935 2
946 0936 2     nml$openfile (.nml$ab_entitydata [.ent, eit$b_fileid], nma$opn_ac_rw)
947 0937 2 ELSE
948 0938 2 BEGIN
949 0939 2
950 0940 2     If this is a SET ALL command then open the permanent data base file
951 0941 2     for read.
952 0942 2
953 0943 2     IF NOT .nml$gb_options [nma$opt_cle]
954 0944 2     AND .nml$gl_prs_flg [nml$pr_s_a[1]] THEN
955 0945 2     nml$openfile (.nml$ab_entitydata [.ent, eit$b_fileid],
956 0946 2     nma$opn_ac_ro);
957 0947 2 END;
958 0948 2
959 0949 2 Send success with multiple responses message.
960 0950 2
961 0951 2 nml$bld_reply (UPLIT (0, nma$sts_mor), msgsize);      ! Build message
962 0952 2 nml$send (nml$ab_sndbuffer, .msgsize);              ! Send it
963 0953 2
964 0954 2 Enable condition handler to allow done message to be sent.
965 0955 2
966 0956 2 lib$establish (nml$mainhandler);
967 0957 2
968 0958 2 Call entity-specific routine.

```

```

: 969 0959 2 !
: 970 0960 2 (.rtn) (.ent, .prm1, .prm2, .prm3, .prm4, .prm5);
: 971 0961 2 !
: 972 0962 2 ! Signal done message.
: 973 0963 2 !
: 974 0964 2 lib$revert (); ! Disable condition handler
: 975 0965 2 nml$error_1 (nma$sc_sts_don); ! Signal no more responses
: 976 0966 2 !
: 977 0967 1 END; ! End of NML_CHANGE_PLURAL

```

.PSECT \$PLITS\$,NOWRT,NOEXE,2

00000002 00000000 00018 P.AAG: .LONG 0, 2

.PSECT \$CODE\$,NOWRT,2

0004 00000 NML_CHANGE_PLURAL:

					.WORD	Save R2	0903
	52	00000000G	00	9E 00002	MOVAB	NML\$GB_OPTIONS, R2	
	5E		04	C2 00009	SUBL2	#4, SP	
			62	95 0000C	TSTB	NML\$GB_OPTIONS	0932
			04	18 0000E	BGEQ	1\$	
			01	DD 00010	PUSHL	#1	0936
			0E	11 00012	BRB	2\$	
1E	62		06	E0 00014	BBS	#6, NML\$GB_OPTIONS, 3\$	0943
16	00000000G	00	01	E1 00018	BBC	#1, NML\$GL_PRS_FLGS, 3\$	0944
			7E	D4 00020	CLRL	-(SP)	0945
50	04	AC	2C	C5 00022	MULL3	#44, ENT, R0	
	7E	00000000G	00	9A 00027	MOVZBL	NML\$AB_ENTITYDATA[R0], -(SP)	
	00000000G	00	02	FB 0002F	CALLS	#2, NML\$OPENFILE	
			5E	DD 00036	PUSHL	SP	0951
	00000000G	00	00	9F 00038	PUSHAB	P.AAG	
			02	FB 0003E	CALLS	#2, NML\$BLD_REPLY	
			6E	DD 00045	PUSHL	MSGSIZE	0952
	00000000G	00	00	9F 00047	PUSHAB	NML\$AB_SNDBUFFER	
			02	FB 0004D	CALLS	#2, NML\$SEND	
	00000000G	00	00	9F 00054	PUSHAB	NML\$MAINHANDLER	0956
			01	FB 0005A	CALLS	#1, LIB\$ESTABLISH	
	7E	18	AC	7D 00061	MOVQ	PRM4, -(SP)	0960
	7E	10	AC	7D 00065	MOVQ	PRM2, -(SP)	
		0C	AC	DD 00069	PUSHL	PRM1	
		04	AC	DD 0006C	PUSHL	ENT	
	08	BC	06	FB 0006F	CALLS	#6, @RTN	
	00000000G	00	00	FB 00073	CALLS	#0, LIB\$REVERT	0964
		7E	80	8F 98 0007A	CVTBL	#-128, -(SP)	0965
	00000000G	00	01	FB 0007E	CALLS	#1, NML\$error_1	
			04	00085	RET		0967

; Routine Size: 134 bytes, Routine Base: \$CODE\$ + 02EC

: 979 0968 1 END
: 980 0969 1
: 981 0970 0 ELUDOM

. End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	1624	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$PLITS	32	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	882	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[NML.OBJ]NMLLIB.L32;1	341	36	10	27	00:00.1
-\$255\$DUA28:[SHRLIB]NMALIBRY.L32;1	887	15	1	47	00:00.2
-\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:02.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:NMLCHANGE/OBJ=OBJ\$:NMLCHANGE MSRCS:NMLCHANGE/UPDATE=(ENHS:NMLCHANGE)

: Size: 882 code + 1656 data bytes
: Run Time: 00:35.5
: Elapsed Time: 01:16.8
: Lines/CPU Min: 1637
: Lexemes/CPU-Min: 36265
: Memory Used: 198 pages
: Compilation Complete

[Screenshot 1]	[Screenshot 2]	[Screenshot 3]	[Screenshot 4]	[Screenshot 5]	[Screenshot 6]	[Screenshot 7]	[Screenshot 8]	[Screenshot 9]	[Screenshot 10]	[Screenshot 11]	[Screenshot 12]
[Screenshot 13]	[Screenshot 14]	[Screenshot 15]	[Screenshot 16]	[Screenshot 17]	[Screenshot 18]	[Screenshot 19]	[Screenshot 20]	[Screenshot 21]	[Screenshot 22]	[Screenshot 23]	[Screenshot 24]
[Screenshot 25]	[Screenshot 26]	[Screenshot 27]	[Screenshot 28]	[Screenshot 29]	[Screenshot 30]	[Screenshot 31]	[Screenshot 32]	[Screenshot 33]	[Screenshot 34]	[Screenshot 35]	[Screenshot 36]
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