

```

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  LLL
NNNNNN  NNN  MMM      MMM  LLL
NNNNNN  NNN  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  LLL
NNN      NNN  MMM      MMM  LLLLLLLLLLLLLLLLLL
NNN      NNN  MMM      MMM  LLLLLLLLLLLLLLLLLL
NNN      NNN  MMM      MMM  LLLLLLLLLLLLLLLLLL

```

_S

Ps

--

NP

NP

SG

SOI

NP

PA

-L

```

NN      NN      MM      MM      LL      ZZZZZZZZZZ  EEEEEEEEEEE  RRRRRRRR      000000
NN      NN      MM      MM      LL      ZZZZZZZZZZ  EEEEEEEEEEE  RRRRRRRR      000000
NN      NN      MMMM     MMMM     LL              ZZ  EE           RR      RR      00      00
NN      NN      MMMM     MMMM     LL              ZZ  EE           RR      RR      00      00
NNNN     NN      MM      MM      MM      LL              ZZ  EE           RR      RR      00      00
NNNN     NN      MM      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EEEEEEEEE  RRRRRRRR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EEEEEEEEE  RRRRRRRR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LL              ZZ  EE           RR      RR      00      00
NN      NN      NN      MM      MM      LLLLLLLLLL  ZZZZZZZZZZ  EEEEEEEEEEE  RR      RR      000000
NN      NN      NN      MM      MM      LLLLLLLLLL  ZZZZZZZZZZ  EEEEEEEEEEE  RR      RR      000000

```

```

LL      I I I I I      S S S S S S S
LL      I I I I I      S S S S S S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S S S S
LL      I I          S S S S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LLLLLLLLLLLL  I I I I I      S S S S S S S
LLLLLLLLLLLL  I I I I I      S S S S S S S

```



```

1 0001 0 %TITLE 'NML ZERO counters module'
2 0002 0 MODULE NML$ZERO (
3 0003 0     LANGUAGE (BLISS32),
4 0004 0     ADDRESSING_MODE (EXTERNAL=GENERAL),
5 0005 0     ADDRESSING_MODE (NONEXTERNAL=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.
15 0015 1 *
16 0016 1 *  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
17 0017 1 *  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
18 0018 1 *  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
19 0019 1 *  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
20 0020 1 *  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
21 0021 1 *  TRANSFERRED.
22 0022 1 *
23 0023 1 *  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
24 0024 1 *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
25 0025 1 *  CORPORATION.
26 0026 1 *
27 0027 1 *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
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     These routines return volatile data base information in response to
40 0040 1     an NCP ZERO command message.
41 0041 1
42 0042 1 ENVIRONMENT:  VAX/VMS Operating System
43 0043 1
44 0044 1 AUTHOR:  Kathy Perko
45 0045 1
46 0046 1 CREATION DATE:  30-Aug-1982
47 0047 1
48 0048 1 MODIFIED BY:
49 0049 1     V03-003 MKP0003      Kathy Perko      6-Jan-1983
50 0050 1     Add dummy table entry for X25 Access Module entity.
51 0051 1
52 0052 1     V03-002 MKP0002      Kathy Perko      24-June-1983
53 0053 1     Add dummy table entries for Service Adjacency entity and
54 0054 1     NI Configurator entity.
55 0055 1
56 0056 1     V03-001 MKP0001      Kathy Perko      9-Oct-1982
57 0057 1     Add Area entity, and null entries for adjacent node

```

```
: 58      0058 1 !  
: 59      0059 1 !  
: 60      0060 1 !--
```

entities (which are read only) to tables.

.....

```

62 0061 1 %SBTTL 'Declarations'
63 0062 1
64 0063 1
65 0064 1  TABLE OF CONTENTS:
66 0065 1
67 0066 1
68 0067 1 FORWARD ROUTINE
69 0068 1     NML$ZERO           : NOVALUE,
70 0069 1     NML_CALL_ZERO    : NOVALUE,
71 0070 1     NML_CALL_ZERO_NODE : NOVALUE,
72 0071 1     NML_ZEROPLURAL  : NOVALUE,
73 0072 1     NML_ZERO_KNOWN   : NOVALUE,
74 0073 1     NML_ZERO_KNONODES : NOVALUE,
75 0074 1     NML_ZERO_ENTITY  : NOVALUE,
76 0075 1     NML_ZERO_NODE    : NOVALUE,
77 0076 1     NML_ZERO_REMOTES : NOVALUE;
78 0077 1
79 0078 1
80 0079 1  INCLUDE FILES:
81 0080 1
82 0081 1
83 0082 1 LIBRARY 'LIB$:NMLLIB.L32';
84 0083 1 LIBRARY 'SHRLIB$:NMLIBRY.L32';
85 0084 1 LIBRARY 'SYSS$LIBRARY:STARLET.L32';
86 0085 1
87 0086 1
88 0087 1  OWN STORAGE:
89 0088 1
90 0089 1
91 0090 1 OWN
92 0091 1     NML$T_P2BUFFER : VECTOR [NML$K_P2BUFLN];
93 0092 1 BIND
94 0093 1     NML$Q_P2BFDSC = UPLIT (NML$K_P2BUFLN, NML$T_P2BUFFER) : DESCRIPTOR;
95 0094 1
96 0095 1 OWN
97 0096 1     NML$T_ENTBUFFER : VECTOR [32],
98 0097 1     NML$Q_ENTBFDSC : DESCRIPTOR
99 0098 1     INITIAL (0, NML$T_ENTBUFFER);
100 0099 1
101 0100 1
102 0101 1  EXTERNAL REFERENCES:
103 0102 1
104 0103 1
105 0104 1 %NML_EXTDEF;
106 0105 1
107 0106 1 EXTERNAL ROUTINE
108 0107 1     LIB$ESTABLISH : ADDRESSING_MODE (GENERAL),
109 0108 1     LIB$REVERT   : ADDRESSING_MODE (GENERAL),
110 0109 1     NML$BLD_REPLY,
111 0110 1     NML$BLDP2,
112 0111 1     NML$ERROR_1,
113 0112 1     NML$ERROR_2,
114 0113 1     NML$GETEXEID,
115 0114 1     NML$GETINFTABS,
116 0115 1     NML$GET_ENTITY_IDS,
117 0116 1     NML$MAIRHANDLER,
118 0117 1     NML$NETOIO,

```

NML\$ZERO
V04-G00

NML ZERO counters module
Declarations

: 119
: 120

0118 1 NML\$SEND;
0119 1

³
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[NML.SRC]NMLZERO.B32;1 Page 4 (2)

NML\$
V04

```
122 0120 1 |
123 0121 1 | Macro to build dispatch table for an entity.
124 0122 1 |
125 0123 1 | MACRO $TAB (TAB,
126 0124 1 |     DISPATCH_RTN,
127 0125 1 |     ZERO_RTN,     ZERO_KNO_RTN) =
128 0126 1 |
129 0127 1 |     OWN TAB : BBLOCK [%LENGTH * 4] INITIAL (
130 0128 1 |     $PIC (DISPATCH_RTN, TAB),
131 0129 1 |     $PIC (ZERO_RTN, TAB),
132 0130 1 |     $PIC (ZERO_KNO_RTN, TAB))
133 0131 1 |     %,
134 0132 1 |
135 0133 1 |     $PIC (ADDR, TAB) =
136 0134 1 |         %IF %IDENTICAL (ADDR, 0)
137 0135 1 |             %THEN LONG (0)
138 0136 1 |             %ELSE LONG (%NAME (ADDR) - %NAME (TAB))
139 0137 1 |             %FI
140 0138 1 |         %;
141 0139 1 |
142 0140 1 |
143 0141 1 | |
144 0142 1 | | Dispatch tables. There is one table for each internal NML entity (NML
145 0143 1 | | internal entities are broken down more than NICE entities). The table
146 0144 1 | | specifies the following information about the entity:
147 0145 1 | |     The address of the dispatch routine in this module for the entity.
148 0146 1 | |     The dispatch routines vary depending on the different
149 0147 1 | |     formats the entities can have.
150 0148 1 | |     The addresses of the routines which perform the requested change:
151 0149 1 | |     - Zero single entity
152 0150 1 | |     - Zero known entities
153 0151 1 | |
154 0152 1 | P $TAB (LINE TAB,             ! NML$C_LINE
155 0153 1 | P     NML_CALL_ZERO,
156 0154 1 |     NML_ZERO_ENTITY,     NML_ZERO_KNOWN);
157 0155 1 |
158 0156 1 | BIND LOGGING_TAB = UPLIT (0);
159 0157 1 |
160 0158 1 | BIND SINK_TAB = UPLIT (0);
161 0159 1 |
162 0160 1 | P $TAB (NODE TAB,             ! NML$C_NODE
163 0161 1 | P     NML_CALL_ZERO_NODE,
164 0162 1 |     NML_ZERO_NODE,     NML_ZEROKNONODES);
165 0163 1 |
166 0164 1 | P $TAB (NODEBYNAME TAB,     ! NML$C_NODEBYNAME
167 0165 1 | P     NML_CALL_ZERO_NODE,
168 0166 1 |     NML_ZERO_NODE,     NML_ZEROKNONODES);
169 0167 1 |
170 0168 1 | BIND LOOPNODE_TAB = UPLIT (0);
171 0169 1 |
172 0170 1 | BIND ADJACENT_NODE_TAB = UPLIT (0);
173 0171 1 |
174 0172 1 | P $TAB (EXECUTOR TAB,     ! NML$C_EXECUTOR
175 0173 1 | P     NML_CALL_ZERO_NODE,
176 0174 1 |     NML_ZERO_NODE,     NML_ZEROKNONODES);
177 0175 1 |
178 0176 1 | BIND OBJECT_TAB = UPLIT (0);
```

```

179 0177 1
180 P 0178 1 $TAB (CIRCUIT_TAB,          ! NML$C_CIRCUIT
181 P 0179 1     NML_CALL_ZERO,
182 0180 1     NML_ZERO_ENTITY,    NML_ZERO_KNOWN);
183 0181 1
184 0182 1 BIND CIRCUIT_ADJACENT_TAB = UPLIT (0);
185 0183 1
186 0184 1 BIND CIRCUIT_ADJ_SRV_TAB = UPLIT (0);
187 0185 1
188 0186 1 BIND AREA_TAB = UPLIT (0);
189 0187 1
190 0188 1 BIND X25_ACCESS_TAB = UPLIT (0);
191 0189 1
192 0190 1 BIND PROT_NET_TAB = UPLIT (0);
193 0191 1
194 P 0192 1 $TAB (PROT_DTE_TAB,          ! NML$C_PROT_DTE
195 P 0193 1     NML_CALL_ZERO,
196 0194 1     NML_ZERO_ENTITY,    NML_ZERO_KNOWN);
197 0195 1
198 0196 1 BIND PROT_GRP_TAB = UPLIT (0);
199 0197 1
200 P 0198 1 $TAB (X25_SERV_TAB,          ! NML$C_X25_SERV
201 P 0199 1     NML_CALL_ZERO,
202 0200 1     NML_ZERO_ENTITY,    0);
203 0201 1
204 0202 1 BIND X25_SERV_DEST_TAB = UPLIT (0);
205 0203 1
206 0204 1 BIND TRACE_TAB = UPLIT (0);
207 0205 1
208 0206 1 BIND TRACEPNT_TAB = UPLIT (0);
209 0207 1
210 P 0208 1 $TAB (X29_SERV_TAB,          ! NML$C_X29_SERV
211 P 0209 1     NML_CALL_ZERO,
212 0210 1     NML_ZERO_ENTITY,    0);
213 0211 1
214 0212 1 BIND X29_SERV_DEST_TAB = UPLIT (0);
215 0213 1
216 0214 1 BIND NI_CONFIG_TAB = UPLIT (0);
217 0215 1
218 0216 1 BIND LINK_TAB = UPLIT (0);
219 0217 1
220 0218 1
221 0219 1
222 0220 1 ! Table table. Contains pointers to Dispatch tables for NML entities.
223 0221 1 ! Indexed by NML$C_entity definitions.
224 0222 1
225 0223 1 OWN TABLE_TAB : VECTOR [NML$C_MAXENTITY] INITIAL (
226 0224 1     $PIC (LINE_TAB, TABLE_TAB),
227 0225 1     $PIC (LOGGING_TAB, TABLE_TAB),
228 0226 1     $PIC (SINK_TAB, TABLE_TAB),
229 0227 1     $PIC (NODE_TAB, TABLE_TAB),
230 0228 1     $PIC (NODEBYNAME_TAB, TABLE_TAB),
231 0229 1     $PIC (LOOPNODE_TAB, TABLE_TAB),
232 0230 1     $PIC (ADJACENT_NODE_TAB, TABLE_TAB),
233 0231 1     $PIC (EXECUTOR_TAB, TABLE_TAB),
234 0232 1     $PIC (OBJECT_TAB, TABLE_TAB),
235 0233 1     $PIC (CIRCUIT_TAB, TABLE_TAB),

```

: R
:


```
: 236 0234 1 $PIC (CIRCUIT_ADJACENT_TAB, TABLE_TAB),  
: 237 0235 1 $PIC (CIRCUIT_ADJ_SRV_TAB, TABLE_TAB),  
: 238 0236 1 $PIC (AREA_TAB, TABLE_TAB),  
: 239 0237 1 $PIC (X25_ACCESS_TAB, TABLE_TAB),  
: 240 0238 1 $PIC (PROT_NET_TAB, TABLE_TAB),  
: 241 0239 1 $PIC (PROT_DTE_TAB, TABLE_TAB),  
: 242 0240 1 $PIC (PROT_GRP_TAB, TABLE_TAB),  
: 243 0241 1 $PIC (X25_SERV_TAB, TABLE_TAB),  
: 244 0242 1 $PIC (X25_SERV_DEST_TAB, TABLE_TAB),  
: 245 0243 1 $PIC (TRACE_TAB, TRACE_TAB),  
: 246 0244 1 $PIC (TRACEPNT_TAB, TABLE_TAB),  
: 247 0245 1 $PIC (X29_SERV_TAB, TABLE_TAB),  
: 248 0246 1 $PIC (X29_SERV_DEST_TAB, TABLE_TAB),  
: 249 0247 1 $PIC (NI_CONFIG_TAB, TABLE_TAB),  
: 250 0248 1 $PIC (LINK_TAB, TABLE_TAB);
```

```

: 252 0249 1 %SBTTL 'NML$ZERO Zero counters main routine'
: 253 0250 1 GLOBAL ROUTINE NML$ZERO : NOVALUE =
: 254 0251 1
: 255 0252 1 |++
: 256 0253 1 | FUNCTIONAL DESCRIPTION:
: 257 0254 1 |
: 258 0255 1 |     This routine dispatches the zero function to the proper routine
: 259 0256 1 |     according to the entity type.
: 260 0257 1 |
: 261 0258 1 | IMPLICIT INPUTS:
: 262 0259 1 |
: 263 0260 1 |     NML$GB_OPTIONS contains the option byte parsed from the NICE message.
: 264 0261 1 |     NML$GB_ENTITY_CODE contains the entity code.
: 265 0262 1 |
: 266 0263 1 | --
: 267 0264 1 |
: 268 0265 2 BEGIN
: 269 0266 2
: 270 0267 2 MAP
: 271 0268 2     NML$GB_ENTITY_FORMAT : BYTE SIGNED,
: 272 0269 2     NML$GB_OPTIONS : BBLOCK [1];
: 273 0270 2
: 274 0271 2 LOCAL
: 275 0272 2     ZERO_TABLE : REF BBLOCK,      | Dispatch table reference
: 276 0273 2     RTN_ADDR,                | Temporary routine address
: 277 0274 2     PARSE_TAB,              | Address of NICE message parsing
: 278 0275 2                               | table.
: 279 0276 2     ZERO_RTN;                | Address of routine to perform
: 280 0277 2                               | zero requested by NICE
: 281 0278 2                               | message.
: 282 0279 2
: 283 0280 2
: 284 0281 2 |
: 285 0282 2 |     Get address of entity's dispatch table. The addresses are stored as offsets
: 286 0283 2 |     to make NML$SHR PIC. Change the offset into a useable address.
: 287 0284 2 |
: 288 0285 2 ZERO_TABLE = .TABLE_TAB [.NML$GL_NML_ENTITY] + TABLE_TAB;
: 289 0286 2 IF .ZERO_TABLE NEQA 0 THEN
: 290 0287 3     BEGIN
: 291 0288 3     RTN_ADDR = .ZERO_TABLE [ZER$DISPATCH] + .ZERO_TABLE;
: 292 0289 3
: 293 0290 3     |
: 294 0291 3     |     Go to dispatch table for the entity specified in the NICE message.
: 295 0292 3     |     Get the address of the routine which performs the type of change
: 296 0293 3     |     requested.
: 297 0294 3     IF .RTN_ADDR NEQA .ZERO_TABLE THEN
: 298 0295 4         BEGIN
: 299 0296 4
: 300 0297 4     |     Each function's portion of the entity's dispatch table contains
: 301 0298 4     |     the addresses of two zero routines. These routines do the
: 302 0299 4     |     following:
: 303 0300 4     |         - Zero a single entity
: 304 0301 4     |         - Zero known entities
: 305 0302 4
: 306 0303 4     IF .NML$GB_ENTITY_FORMAT EQL NML$C_ENT_KNO THEN
: 307 0304 4         ZERO_RTN = .ZERO_TABLE [ZER$KNOWN]
: 308 0305 4     ELSE

```

```

: 309      0306 4      ZERO_RTN = .ZERO_TABLE [ZER$L_ENTITY];
: 310      0307 4      :
: 311      0308 4      : The routine addresses are stored as offsets (to make NMLSHR PIC).
: 312      0309 4      : Make the offset into a callable routine address.
: 313      0310 4      :
: 314      0311 4      IF .ZERO_RTN NEQ 0 THEN
: 315      0312 5      BEGIN
: 316      0313 5      ZERO_RTN = .ZERO_RTN + .ZERO_TABLE;
: 317      0314 5      :
: 318      0315 5      : Call change routine.
: 319      0316 5      :
: 320      0317 5      (.RTN_ADDR) (.NML$GL_NML_ENTITY,
: 321      0318 5      .ZERO_RTN);
: 322      0319 5      END
: 323      0320 4      ELSE
: 324      0321 4      NML$ERROR_1 (NMASC_STS_FUN);
: 325      0322 4      END
: 326      0323 3      ELSE
: 327      0324 3      NML$ERROR_1 (NMASC_STS_FUN);
: 328      0325 3      END
: 329      0326 2      ELSE
: 330      0327 2      NML$ERROR_1 (NMASC_STS_FUN);
: 331      0328 1      END; ! End of NML$ZERO

```

.TITLE NML\$ZERO NML ZERO counters module
.IDENT \V04-000\

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

```

00000068 00000 P.AAA: .LONG 104
00000000 00004 .ADDRESS NMLST_P2BUFFER
00000000 00008 P.AAB: .LONG 0
00000000 0000C P.AAC: .LONG 0
00000000 00010 P.AAD: .LONG 0
00000000 00014 P.AAE: .LONG 0
00000000 00018 P.AAF: .LONG 0
00000000 0001C P.AAG: .LONG 0
00000000 00020 P.AAH: .LONG 0
00000000 0C024 P.AAI: .LONG 0
00000000 00028 P.AAJ: .LONG 0
00000000 0002C P.AAK: .LONG 0
00000000 00030 P.AAL: .LONG 0
00000000 00034 P.AAM: .LONG 0
00000000 00038 P.AAN: .LONG 0
00000000 0003C P.AAO: .LONG 0
00000000 00040 P.AAP: .LONG 0
00000000 00044 P.AAQ: .LONG 0
00000000 00048 P.AAR: .LONG 0

```

.PSECT \$OWNS\$,NOEXE,2

```

00000 NMLST_P2BUFFER:
      .BLKB 416
001A0 NMLST_ENTBUFFER:
      .BLKB 128
00000000 00220 NML$Q_ENTBFDC:

```

.....

: R

```

00000000' 00224 .LONG 0
00000000V 00228 LINE_TAB: .ADDRESS NML$T_ENTBUFFER
00000000V 0022C .LONG <NML_CALL_ZERO-LINE_TAB>
00000000V 00230 .LONG <NML_ZERO_ENTITY-LINE_TAB>
00000000V 00234 .LONG <NML_ZERO_KNOWN-LINE_TAB>
00000000V 00238 NODE_TAB: .BLKB 4
00000000V 0023C .LONG <NML_CALL_ZERO_NODE-NODE_TAB>
00000000V 00240 .LONG <NML_ZERO_NODE-NODE_TAB>
00000000V 00244 .LONG <NML_ZERO_NONNODES-NODE_TAB>
00000000V 00248 NODEBYNAME_TAB: .BLKB 4
00000000V 0024C .LONG <NML_CALL_ZERO_NODE-NODEBYNAME_TAB>
00000000V 00250 .LONG <NML_ZERO_NODE-NODEBYNAME_TAB>
00000000V 00254 .LONG <NML_ZERO_NONNODES-NODEBYNAME_TAB>
00000000V 00258 EXECUTOR_TAB: .BLKB 4
00000000V 0025C .LONG <NML_CALL_ZERO_NODE-EXECUTOR_TAB>
00000000V 00260 .LONG <NML_ZERO_NODE-EXECUTOR_TAB>
00000000V 00264 .LONG <NML_ZERO_NONNODES-EXECUTOR_TAB>
00000000V 00268 CIRCUIT_TAB: .BLKB 4
00000000V 0026C .LONG <NML_CALL_ZERO-CIRCUIT_TAB>
00000000V 00270 .LONG <NML_ZERO_ENTITY-CIRCUIT_TAB>
00000000V 00274 .LONG <NML_ZERO_KNOWN-CIRCUIT_TAB>
00000000V 00278 PROT_DTE_TAB: .BLKB 4
00000000V 0027C .LONG <NML_CALL_ZERO-PROT DTE TAB>
00000000V 00280 .LONG <NML_ZERO_ENTITY-PROT DTE TAB>
00000000V 00284 .LONG <NML_ZERO_KNOWN-PROT_DTE_TAB>
00000000V 00288 X25_SERV_TAB: .BLKB 4
00000000V 0028C .LONG <NML_CALL_ZERO-X25_SERV TAB>
00000000 00290 .LONG <NML_ZERO_ENTITY-X25_SERV_TAB>
00000000V 00294 .LONG 0
00000000V 00298 X29_SERV_TAB: .BLKB 4
00000000V 0029C .LONG <NML_CALL_ZERO-X29_SERV TAB>
00000000 002A0 .LONG <NML_ZERO_ENTITY-X29_SERV_TAB>
00000000 002A4 .LONG 0
00000000* 002A8 TABLE_TAB: .BLKB 4
00000000* 002AC .LONG <LINE_TAB-TABLE TAB>
00000000* 002B0 .LONG <LOGGING_TAB-TABLE TAB>
00000000* 002B4 .LONG <SINK_TAB-TABLE TAB>
00000000* 002B8 .LONG <NODE_TAB-TABLE TAB>
00000000* 002BC .LONG <NODEBYNAME_TAB-TABLE TAB>
00000000* 002C0 .LONG <LOOPNODE_TAB-TABLE TAB>
00000000* 002C4 .LONG <ADJACENT_NODE_TAB-TABLE TAB>
00000000* 002C8 .LONG <EXECUTOR_TAB-TABLE TAB>
00000000* 002CC .LONG <OBJECT_TAB-TABLE TAB>
00000000* 002D0 .LONG <CIRCUIT_TAB-TABLE TAB>
00000000* 002D4 .LONG <CIRCUIT_ADJACENT_TAB-TABLE TAB>
00000000* 002D8 .LONG <CIRCUIT_ADJ SRV TAB-TABLE TAB>
00000000* 002DC .LONG <AREA_TAB-TABLE TAB>
00000000* 002E0 .LONG <X25_ACCESS_TAB-TABLE TAB>

```

```

00000000* 002E0      .LONG   <PROT_NET_TAB-TABLE_TAB>
00000000* 002E4      .LONG   <PROT_DTE_TAB-TABLE_TAB>
00000000* 002E8      .LONG   <PROT_GRP_TAB-TABLE_TAB>
00000000* 002EC      .LONG   <X25_SERV_TAB-TABLE_TAB>
00000000* 002F0      .LONG   <X25_SERV_DEST_TAB-TABLE_TAB>
00000000* 002F4      .LONG   <TRACE_TAB-TABLE_TAB>
00000000* 002F8      .LONG   <TRACEPNT_TAB-TABLE_TAB>
00000000* 002FC      .LONG   <X29_SERV_TAB-TABLE_TAB>
00000000* 00300      .LONG   <X29_SERV_DEST_TAB-TABLE_TAB>
00000000* 00304      .LONG   <NI_CONFIG_TAB-TABLE_TAB>
00000000* 00308      .LONG   <LINK_TAB-TABLE_TAB>
0030C      .BLKB   4

```

```

NML$Q P2BFDSC=      P.AAA
LOGGING_TAB=        P.AAB
SINK_TAB=           P.AAC
LOOPNODE_TAB=       P.AAD
ADJACENT_NODE_TAB= P.AAE
OBJECT_TAB=         P.AAF
CIRCUIT_ADJACENT_TAB=
                    P.AAG
CIRCUIT_ADJ_SRV_TAB=P.AAH
AREA_TAB=           P.AAI
X25_ACCESS_TAB=     P.AAJ
PROT_NET_TAB=       P.AAK
PROT_GRP_TAB=       P.AAL
X25_SERV_DEST_TAB= P.AAM
TRACE_TAB=          P.AAN
TRACEPNT_TAB=       P.AAO
X29_SERV_DEST_TAB= P.AAP
NI_CONFIG_TAB=      P.AAQ
LINK_TAB=           P.AAR
.EXTRN NML$GB_EVTSRCTYP
.EXTRN NML$GQ_EVTSRCDS
.EXTRN NML$GW_EVTCLASS
.EXTRN NML$GB_EVTMSKTYP
.EXTRN NML$GQ_EVTMSKDS
.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_ENTINF TAB

```

```

.EXTRN NML$AL_PERMINTAB
.EXTRN NML$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$GQ_RECBFDS
.EXTRN NML$GW_PRMDESCNT
.EXTRN LIB$ESTABLISH, LIB$REVERT
.EXTRN NML$BLD_REPLY, NML$BLDP2
.EXTRN NML$ERROR_1, NML$ERROR_2
.EXTRN NML$GETEXEID, NML$GETINFTABS
.EXTRN NML$GET_ENTITY_IDS
.EXTRN NML$MAINHANDLER
.EXTRN NML$NETQIO, NML$SEND

```

.PSECT \$CODE\$,NOWRT,2

			001C 00000	.ENTRY	NML\$ZERO, Save R2,R3,R4	: 0250
	54	00000000'	00 9E 00002	MOVAB	TABLE_TAB, R4	:
	52	00000000G	00 D0 00009	MOVL	NML\$GL_NML_ENTITY, R2	: 0285
	50		64 9E 00010	MOVAB	TABLE_TAB, R0	:
51	50		64 42 C1 00013	ADDL3	TABLE_TAB[R2], R0, ZERO_TABLE	:
			2A 13 00018	BEQL	3\$: 0286
53	61		51 C1 0001A	ADDL3	ZERO_TABLE, (ZERO_TABLE), RTN_ADDR	: 0288
	51		53 D1 0001E	CMPL	RTN_ADDR, ZERO_TABLE	: 0294
			21 13 00021	BEQL	3\$:
	FF	8F 00000000G	00 91 00023	CMPB	NML\$GB_ENTITY_FORMAT, #-1	: 0303
			06 12 0002B	BNEQ	1\$:
	50	08	A1 D0 0002D	MOVL	8(ZERO_TABLE), ZERO_RTN	: 0304
			04 11 00031	BRB	2\$:
	50	04	A1 D0 00033	MOVL	4(ZERO_TABLE), ZERO_RTN	: 0306
			0B 13 00037	BEQL	3\$: 0311
	50		51 C0 00039	ADDL2	ZERO_TABLE, ZERO_RTN	: 0313
			50 DD 0003C	PUSHL	ZERO_RTN	: 0318
			52 DD 0003E	PUSHL	R2	: 0317
	63		02 FB 00040	CALLS	#2, (RTN_ADDR)	:
			04 00043	RET		: 0311
	7E		01 CE 00044	MNEGL	#1, -(SP)	: 0327
	00000000G	00	01 FB 00047	CALLS	#1, NML\$ERROR_1	:
			04 0004E	RET		: 0328

; Routine Size: 79 bytes, Routine Base: \$CODE\$ + 0000

```

333 0329 1 %SBTTL 'NML_CALL_ZERO Zero volatile entity parameters'
334 0330 1 ROUTINE NML_CALL_ZERO (ENTITY, ZERO_RTN): NOVALUE =
335 0331 1
336 0332 1 !++
337 0333 1 FUNCTIONAL DESCRIPTION:
338 0334 1
339 0335 1 This routine dispatches to a routine to zero the specified
340 0336 1 set of circuit counters based on the entity id format.
341 0337 1
342 0338 1 FORMAL INPUTS:
343 0339 1 ENTITY Internal NML entity code of entity to zero.
344 0340 1 ZERO_RTN Address of routine to perform zero requested
345 0341 1 by NICE message.
346 0342 1
347 0343 1 IMPLICIT INPUTS:
348 0344 1
349 0345 1 NML$GB_ENTITY_FORMAT contains the entity format code.
350 0346 1
351 0347 1 --
352 0348 1
353 0349 2 BEGIN
354 0350 2
355 0351 2 MAP
356 0352 2 NML$GB_ENTITY_FORMAT : BYTE SIGNED;
357 0353 2
358 0354 2 SELECTONEU .NML$GB_ENTITY_FORMAT OF
359 0355 2 SET
360 0356 2 [NMAC ENT KNO]: ! Known
361 0357 2 NML_ZEROPLURAL (.ENTITY, ! Entity code
362 0358 2 .ZERO_RTN, ! Zero routine
363 0359 2 0, ! Not used
364 0360 2 0); ! Not used
365 0361 2
366 0362 2 [1 TO 16]: ! Entity name
367 0363 2 NML_ZEROPLURAL (.ENTITY, ! Entity code
368 0364 2 .ZERO_RTN, ! Zero routine
369 0365 2 .NML$GB_ENTITY_FORMAT, ! Id string length
370 0366 2 NML$AB_ENTITY_ID); ! Id string address
371 0367 2
372 0368 2 [OTHERWISE]:
373 0369 2 NML$ERROR_2 (NMAC_STS_IDE, .NML$GB_ENTITY_CODE); ! Option error
374 0370 2 TES;
375 0371 2
376 0372 1 END; ! End of NML_CALL_ZERO

```

```

0000 00000 NML_CALL_ZERO:
FF 50 00000000G 00 98 00002 .WORD Save nothing : 0330
BF 50 91 00009 CVTBL NML$GB_ENTITY_FORMAT, R0 : 0354
04 12 00000 CMPB R0, #-1 : 0356
7E 7C 0000F BNEQ 1$ :
11 11 00011 CLRQ -(SP) : 0357
50 D5 00013 1$: BRB 2$ : 0358
TSTL R0 : 0362

```

NML\$ZERO
V04-000

NML_ZERO counters module
NML_CALL_ZERO Zero volatile entity parameters

I 4
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1

Page 14
(5)

NML
V04

			19	13	00015	BEQL	3\$		
	10		50	91	00017	CMPB	R0, #16		
			14	1A	0001A	BGTRU	3\$		
		00000000G	00	9F	0001C	PUSHAB	NML\$AB_ENTITY_ID		0363
			50	DD	00022	PUSHL	R0		0365
00000000V	7E	04	AC	7D	00024	MOVQ	ENTITY, -(SP)		0363
	00		04	FB	00028	CALLS	#4, NML_ZEROPLURAL		
				04	0002F	RET			
	7E	00000000G	00	9A	00030	MOVZBL	NML\$GB_ENTITY_CODE, -(SP)		0369
	7E		09	CE	00037	MNEGL	#9, -(SP)		
00000000G	00		02	FB	0003A	CALLS	#2, NML\$ERROR_2		
				04	00041	RET			0372

; Routine Size: 66 bytes, Routine Base: \$CODE\$ + 004F


```

378 0373 1 %SBTTL 'NML_CALL_ZERO_NODE Zero node counters'
379 0374 1 ROUTINE NML_CALL_ZERO_NODE (ENTITY, ZERO_RTN) : NOVALUE =
380 0375 1
381 0376 1 |**
382 0377 1 | FUNCTIONAL DESCRIPTION:
383 0378 1 |
384 0379 1 |     This routine dispatches to a routine to zero the specified set
385 0380 1 |     of node counters based on the entity id format.
386 0381 1 |
387 0382 1 | FORMAL INPUTS:
388 0383 1 |     ENTITY           Internal NML entity code of entity to zero.
389 0384 1 |     ZERO_RTN        Address of routine to perform zero requested
390 0385 1 |                     by NICE message.
391 0386 1 |
392 0387 1 | IMPLICIT INPUTS:
393 0388 1 |
394 0389 1 |     NML$GB_ENTITY_FORMAT contains the entity format code.
395 0390 1 |
396 0391 1 | --
397 0392 1 |
398 0393 2 BEGIN
399 0394 2
400 0395 2 MAP
401 0396 2     NML$GB_ENTITY_FORMAT : BYTE SIGNED;
402 0397 2
403 0398 2 LOCAL
404 0399 2     EXEC_ADR;
405 0400 2
406 0401 2 EXEC_ADR = 0;           ! Set exec address in case entity is NML$C_EXECUTOR.
407 0402 2 SELECTIONEU .NML$GB_ENTITY_FORMAT OF
408 0403 2     SET
409 0404 2     [NML$C_ENT_KNO]:           ! Known
410 0405 2     NML_ZEROPLURAL (.ENTITY,           ! No entity
411 0406 2     NML_ZEROKNONODES,         ! Routine name
412 0407 2     0,                       ! Not used
413 0408 2     0);                       ! Not used
414 0409 2
415 0410 2     [NML$C_ENT_ADD]:           ! Node address
416 0411 2     BEGIN
417 0412 2     IF .ENTITY EQL NML$C_EXECUTOR THEN
418 0413 2     NML_ZEROPLURAL (NML$C_EXECUTOR,     ! entity = executor node
419 0414 2     NML_ZERO_NODE,             ! Routine name
420 0415 2     2,                       ! Id string length
421 0416 2     EXEC_ADR)                 ! Executor node address
422 0417 2     ELSE
423 0418 2     NML_ZEROPLURAL (NML$C_NODE,       ! Entity code
424 0419 2     NML_ZERO_NODE,           ! Routine address
425 0420 2     2,                       ! Id string length
426 0421 2     NML$AB_ENTITY_ID);       ! Id (node address) address
427 0422 2     END;
428 0423 2
429 0424 2 [1 TO 6]:           ! Node name
430 0425 2 IF .NML$GL NML_ENTITY EQL NML$C_EXECUTOR THEN
431 0426 2 NML_ZEROPLURAL (NML$C_EXECUTOR,     ! No entity
432 0427 2 NML_ZERO_NODE,             ! Routine address
433 0428 2 2,                       ! Id string length
434 0429 2 EXEC_ADR)                 ! Executor node address

```

: R

```

: 435 0430 2 ELSE
: 436 0431 2 NML_ZEROPLURAL (NML$C NODEBYNAME, ! Entity code
: 437 0432 2 NML_ZERO_NODE, ! Routine address
: 438 0433 2 .NML$GB ENTITY_FORMAT, ! Id (node name) length
: 439 0434 2 NML$AB_ENTITY_ID); ! Id address
: 440 0435 2
: 441 0436 2 [OTHERWISE]:
: 442 0437 2 NML$ERROR_2 (NML$C_STS_IDE, NML$C_ENT_NOD); ! Option error
: 443 0438 2 TES;
: 444 0439 2
: 445 0440 1 END;
! End of NML_CALL_ZERO_NODE

```

```

001C 00000 NML_CALL_ZERO_NODE:
: 0374
54 00000000G 00 9E 00002 .WORD Save R2,R3,R4
53 00000000V 00 9E 00009 MOVAB NML$AB_ENTITY_ID, R4
: 0401
7E D4 00010 MOVAB NML_ZERO_NODE, R3
: 0402
FF 52 00000000G 00 98 00012 CLRL EXEC_ADR
: 0404
8F 52 00000000G 00 98 00012 CVTBL NML$GB_ENTITY_FORMAT, R2
: 0405
0D 12 0001D CMPB R2, #-T
7E 7C 0001F BNEQ 1$
: 0410
00000000V 00 9F 00021 PUSHAB NML_ZEROKNONODES
04 AC DD 00027 PUSHL ENTITY
32 11 0002A BRB 5$
52 D5 0002C 1$: TSTL R2
: 0411
1A 12 0002E BNEQ 4$
: 0412
07 04 AC D1 00030 CMPL ENTITY, #7
: 0413
0A 12 00034 BNEQ 3$
5E DD 00036 2$: PUSHL SP
02 DD 00038 PUSHL #2
53 DD 0003A PUSHL R3
07 DD 0003C PUSHL #7
1E 11 0003E BRB 5$
54 DD 00040 3$: PUSHL R4
02 DD 00042 PUSHL #2
53 DD 00044 PUSHL R3
03 DD 00046 PUSHL #3
14 11 00048 BRB 5$
: 0418
06 52 91 0004A 4$: CMPB R2, #6
17 1A 0004D BGTRU 6$
: 0424
07 00000000G 00 D1 0004F CMPL NML$GL_NML_ENTITY, #7
: 0425
DE 13 00056 BEQL 2$
14 BB 00058 PUSHR #*M<R2,R4>
: 0433
53 DD 0005A PUSHL R3
: 0431
04 DD 0005C PUSHL #4
00000000V 00 04 FB 0005E 5$: CALLS #4, NML_ZEROPLURAL
: 0425
04 00065 RET
: 0437
7E D4 00066 6$: CLRL -(SP)
09 CE 00068 MNEGL #9, -(SP)
: 0440
00000000G 00 02 FB 0006B CALLS #2, NML$ERROR_2
04 00072 RET

```

; Routine Size: 115 bytes. Routine Base: \$CODE\$ + 0091

NML\$ZERO
V04-000

NML_ZERO counters module
NML_CALL_ZERO_NODE Zero node counters

⁴
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1 Page 17 (6)

NML
V04

.....

```

: 447 0441 1 XSBTTL 'NML_ZEROPLURAL Zero plural entity counters'
: 448 0442 1 ROUTINE NML_ZEROPLURAL (ENTITY, RTN, PRM1, PRM2) : NOVALUE =
: 449 0443 1
: 450 0444 1 !++
: 451 0445 1 ! FUNCTIONAL DESCRIPTION:
: 452 0446 1
: 453 0447 1 ! This routine frames the response messages with 'more' and
: 454 0448 1 ! 'done' messages and calls the specified routine.
: 455 0449 1
: 456 0450 1 ! FORMAL PARAMETERS:
: 457 0451 1
: 458 0452 1 ! ENTITY Entity Table index for the entity (NML$C_...)
: 459 0453 1 ! RTN Address of entity routine to be called.
: 460 0454 1 ! PRM1 Routine parameter value.
: 461 0455 1 ! PRM2 Routine parameter value.
: 462 0456 1
: 463 0457 1 ! SIDE EFFECTS:
: 464 0458 1
: 465 0459 1 ! A 'more' message is sent and then a 'done' message is signalled
: 466 0460 1 ! following a return or signal from the specified routine.
: 467 0461 1
: 468 0462 1 ! --
: 469 0463 1
: 470 0464 2 BEGIN
: 471 0465 2
: 472 0466 2 LOCAL
: 473 0467 2 MSG_SIZE;
: 474 0468 2
: 475 0469 2 !
: 476 0470 2 ! Send success with multiple responses message.
: 477 0471 2
: 478 0472 2 NML$BLD REPLY (UPLIT(0, NMA$C_STS_MOR), MSG_SIZE); ! Build message
: 479 0473 2 NML$SEND (NML$AB_SNDBUFFER, .MSG_SIZE); ! Send it
: 480 0474 2
: 481 0475 2 ! Enable condition handler to allow done message to be sent.
: 482 0476 2
: 483 0477 2 LIB$ESTABLISH (NML$MAINHANDLER);
: 484 0478 2
: 485 0479 2 ! Call entity-specific routine.
: 486 0480 2
: 487 0481 2 (.RTN) (.ENTITY, .PRM1, .PRM2);
: 488 0482 2
: 489 0483 2 ! Signal done message.
: 490 0484 2
: 491 0485 2 LIB$REVERT (); ! Disable condition handler
: 492 0486 2 NML$ERROR_1 (NMA$C_STS_DON); ! Signal no more responses
: 493 0487 2
: 494 0488 1 END; ! End of NML_ZEROPLURAL

```

.PSECT \$PLITS,NOWRT,NOEXE,2

0000002 0000000 0004C P.AAS: .LONG 0, 2

:

: R

.PSECT \$CODE\$,NOWRT,2

```

0000 00000 NML_ZEROPLURAL:
      SE          04 C2 00002      .WORD      Save nothing      : 0442
      000000000'  5E DD 00005      SUBL2      #4, SP                : 0472
00000000G 00    00 9F 00007      PUSHL     SP                : 0473
      00000000G  02 FB 0000D      PUSHAB    P.AAS            : 0477
00000000G 00    6E DD 00014      CALLS     #2, NML$BLD_REPLY : 0477
      00000000G  00 9F 00016      PUSHL     MSG_SIZE         : 0477
00000000G 00    02 FB 0001C      PUSHAB    NML$AB_SNDBUFFER : 0477
      00000000G  00 9F 00023      CALLS     #2, NML$SEND      : 0481
00000000G 00    01 FB 00029      PUSHAB    NML$MAINHANDLER  : 0481
      7E          0C AC 7D 00030      CALLS     #1, LIB$ESTABLISH : 0481
      04          AC DD 00034      MOVQ      PRM1, -(SP)      : 0485
      08 BC       03 FB 00037      PUSHL     ENTITY           : 0485
00000000G 00    00 FB 0003B      CALLS     #3, @RTN          : 0486
      7E          80 8F 98 00042      CALLS     #0, LIB$REVERT    : 0486
00000000G 00    01 FB 00046      CVTBL     #-128, -(SP)     : 0488
      04          04 0004D      CALLS     #1, NML$error_1   : 0488
      RET

```

: Routine Size: 78 bytes, Routine Base: \$CODE\$ + 0104

: 495 0489 1

```

497 0490 1 %SBTTL 'NML_ZERO_KNOWN Zero known entity counters'
498 0491 1 ROUTINE NML_ZERO_KNOWN (ENTITY, DUM1, DUM2) : NOVALUE =
499 0492 1
500 0493 1 :++
501 0494 1 : FUNCTIONAL DESCRIPTION:
502 0495 1
503 0496 1 : This routine clears the counters in the volatile data base entries
504 0497 1 : for known entities of the type specified.
505 0498 1
506 0499 1 : FORMAL PARAMETERS:
507 0500 1
508 0501 1 : ENTITY Index into Entity Table for entity (NML$C_...)
509 0502 1 : DUM1 Not used.
510 0503 1 : DUM2 Not used.
511 0504 1
512 0505 1 : SIDE EFFECTS:
513 0506 1
514 0507 1 : Zero or more response messages will be sent.
515 0508 1
516 0509 1 :--
517 0510 1
518 0511 2 BEGIN
519 0512 2
520 0513 2 LOCAL
521 0514 2 BUFEND,
522 0515 2 DUMDSC : REF DESCRIPTOR, ! Dummy table descriptor
523 0516 2 ENTLEN, ! DNA line name length
524 0517 2 LENGTH,
525 0518 2 LISDSC : DESCRIPTOR, ! List buffer descriptor
526 0519 2 ENTPTR, ! Pointer to entity id for response
527 0520 2 MSGSIZE, ! Response message size
528 0521 2 NFBDESC : REF DESCRIPTOR, ! Descriptor for NFB
529 0522 2 P2DSC : DESCRIPTOR, ! P2 buffer descriptor
530 0523 2 PTR,
531 0524 2 STATUS,
532 0525 2 STRTFLG;
533 0526 2
534 0527 2 : Get a list of all entities in the volatile data base.
535 0528 2
536 0529 2 STRTFLG = FALSE;
537 0530 2
538 0531 2 WHILE NML$GET_ENTITY_IDS (.ENTITY, NML$C_ENT_KNO, 0, .STRTFLG, LISDSC) DO
539 0532 3 BEGIN
540 0533 3 STRTFLG = TRUE;
541 0534 3
542 0535 3 : Zero counters for every entity in the list.
543 0536 3
544 0537 3 BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
545 0538 3 PTR = .LISDSC [DSC$A_POINTER];
546 0539 3
547 0540 3 WHILE .PTR LSSA .BUFEND DO
548 0541 4 BEGIN
549 0542 4 LENGTH = (.PTR)<0,16>;
550 0543 4 PTR = .PTR + 2;
551 0544 4
552 0545 4 : Get NFB and P2 buffer.
553 0546 4

```

```

: 554 0547 4 NML$GETINFTABS (.ENTITY, NML$C_ZERO, NFBDS, DUMDSC, 0);
: 555 0548 4 NML$BLDP2 (.LENGTH, .PTR, -1, 0, NML$Q_P2BFDSC, P2DSC);
: 556 0549 4
: 557 0550 4 Initialize message flags and status.
: 558 0551 4
: 559 0552 4 NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
: 560 0553 4 NML$AB_MSGBLOCK [MSB$B_CODE] = NML$C_STS_SUC;
: 561 0554 4
: 562 0555 4 Zero the counters for the specified entity.
: 563 0556 4
: 564 0557 4 NML$NETQIO (.NFBDS, P2DSC, 0, 0);
: 565 0558 4
: 566 0559 4 Move the entity ID into the entity buffer.
: 567 0560 4
: 568 0561 4 ENTPTR = .NML$Q_ENTBFDSC [DSC$A_POINTER];
: 569 0562 4 CH$WCHAR_A (.LENGTH, ENTPTR);
: 570 0563 4 CH$MOVE (.LENGTH, .PTR, ENTPTR);
: 571 0564 4 NML$Q_ENTBFDSC [DSC$W_LENGTH] = .LENGTH + 1;
: 572 0565 4
: 573 0566 4 Add line id to response message.
: 574 0567 4
: 575 0568 4 NML$AB_MSGBLOCK [MSB$V_ENTD_FLD] = 1;
: 576 0569 4 NML$AB_MSGBLOCK [MSB$A_ENTITY] = NML$Q_ENTBFDSC;
: 577 0570 4
: 578 0571 4 Build and send the response message.
: 579 0572 4
: 580 0573 4 NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
: 581 0574 4 NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
: 582 0575 4
: 583 0576 4 PTR = .PTR + .LENGTH; ! Advance pointer
: 584 0577 3 END:
: 585 0578 2 END:
: 586 0579 2
: 587 0580 1 END: ! End of NML_ZERO_KNOWN

```

```

OFFC 0000 NML_ZERO_KNOWN:
: 0491
5B 0000000G 00 9E 00002 .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
5E 1C C2 00009 MOVAB NML$AB_MSGBLOCK, R11
: 0529
14 59 D4 0000C CLRL STRIFLG
: 0531
AE 9F 0000E 1$: PUSHAB LISDSC
59 DD 00011 PUSHL STRIFLG
7E 7E D4 00013 CLRL -(SP)
:
04 01 CE C0015 MNEGL #1, -(SP)
0000000G 00 AC DD 00018 PUSHL ENTITY
01 05 FB 0001B CALLS #5, NML$GET_ENTITY_IDS
04 00022 BLBS R0, 2$
04 00025 RET
: 0533
59 01 D0 00026 2$: MOVL #1, STRIFLG
: 0537
5A 14 AE 3C 00029 MOVZWL LISDSC, BUFEND
5A 18 AE C0 0002D ADDL2 LISDSC+4, BUFEND
: 0538
56 18 AE D0 00031 MOVL LISDSC+4, PTR
: 0540
5A 56 D1 00035 3$: CMPL PTR, BUFEND

```

			D4	1E	00038	BGEQU	1\$			
	57		86	3C	0003A	MOVZWL	(PTR)+, LENGTH	:	0542	
			7E	D4	0003D	CLRL	-(SP)	:	0547	
		04	AE	9F	0003F	PUSHAB	DUMDSC	:		
		0C	AE	9F	00042	PUSHAB	NFBDSC	:		
			05	DD	00045	PUSHL	#5	:		
		04	AC	DD	00047	PUSHL	ENTITY	:		
00000000G	00		05	FB	0004A	CALLS	#5, NML\$GETINFTABS	:		
		0C	AE	9F	00051	PUSHAB	P2DSC	:	0548	
		00000000'	00	9F	00054	PUSHAB	NML\$Q_P2BFDSC	:		
			7E	D4	0005A	CLRL	-(SP)	:		
	7E		01	CE	0005C	MNEGL	#1, -(SP)	:		
			56	DD	0005F	PUSHL	PTR	:		
			57	DD	00061	PUSHL	LENGTH	:		
00000000G	00		06	FB	00063	CALLS	#6, NML\$BLDP2	:		
			6B	D4	0006A	CLRL	NML\$AB_MSGBLOCK	:	0552	
	04	AB	01	90	0006C	MOVB	#1, NML\$AB_MSGBLOCK+4	:	0553	
			7E	7C	00070	CLRL	-(SP)	:	0557	
			14	AE	9F	00072	PUSHAB	P2DSC	:	
			10	AE	DD	00075	PUSHL	NFBDSC	:	
00000000G	00		04	FB	00078	CALLS	#4, NML\$NETQIO	:		
		00000000'	00	D0	0007F	MOVL	NML\$Q_ENTBFDSC+4, ENTPTR	:	0561	
			88	57	90	00086	MOVB	LENGTH, (ENTPTR)+	:	0562
	68		57	28	00089	MOVC3	LENGTH, (PTR), (ENTPTR)	:	0563	
00000000'	00		01	A1	0008D	ADDW3	#1, LENGTH, NML\$Q_ENTBFDSC	:	0564	
			10	88	00095	BISB2	#16, NML\$AB_MSGBLOCK	:	0568	
	14	AB	00	9E	00098	MOVAB	NML\$Q_ENTBFDSC, NML\$AB_MSGBLOCK+20	:	0569	
			08	AE	9F	000A0	PUSHAB	MSGSIZE	:	0573
			5B	DD	000A3	PUSHL	R11	:		
00000000G	00		02	FB	000A5	CALLS	#2, NML\$BLD_REPLY	:		
			08	AE	DD	000AC	PUSHL	MSGSIZE	:	0574
		00000000G	00	9F	000AF	PUSHAB	NML\$AB_SNDBUFFER	:		
00000000G	00		02	FB	000B5	CALLS	#2, NML\$SEND	:		
			57	C0	000BC	ADDL2	LENGTH, PTR	:	0576	
			FF73	31	000BF	BRW	3\$:	0540	
			04	00	00C2	RET		:	0580	

; Routine Size: 195 bytes, Routine Base: \$CODE\$ + 0152


```

: 589 0581 1 %SBTTL 'NML_ZEROKNONODES Zero known node counters'
: 590 0582 1 ROUTINE NML_ZEROKNONODES (DUM0, DUM1, DUM2) : NOVALUE =
: 591 0583 1
: 592 0584 1 !++
: 593 0585 1 ! FUNCTIONAL DESCRIPTION:
: 594 0586 1
: 595 0587 1 ! This routine zeros counters for all nodes in the volatile data base.
: 596 0588 1
: 597 0589 1 ! FORMAL PARAMETERS:
: 598 0590 1
: 599 0591 1 ! DUM0 Not used.
: 600 0592 1 ! DUM1 Not used.
: 601 0593 1 ! DUM2 Not used.
: 602 0594 1
: 603 0595 1 ! SIDE EFFECTS:
: 604 0596 1
: 605 0597 1 ! Zero or more response messages will be sent as a result of
: 606 0598 1 ! the routines that are called.
: 607 0599 1
: 608 0600 1 !--
: 609 0601 1
: 610 0602 2 BEGIN
: 611 0603 2
: 612 0604 2 LOCAL
: 613 0605 2 EXEC_ADR: WORD;
: 614 0606 2
: 615 0607 2 ! Return executor node.
: 616 0608 2
: 617 0609 2 EXEC_ADR = 0;
: 618 0610 2 NML_ZERO_NODE (NML$C_EXECUTOR,
: 619 0611 2 2, ! Id string length
: 620 0612 2 EXEC_ADR); ! Executor node address
: 621 0613 2
: 622 0614 2 ! Return remote nodes.
: 623 0615 2
: 624 0616 2 NML_ZEROREMOTES ();
: 625 0617 2
: 626 0618 1 END; ! End of NML_ZEROKNONODES

```

```

0000 0000 NML_ZEROKNONODES:
          SE          04 C2 00002      .WORD Save nothing      : 0582
          6E B4 00005      SUBL2 #4, SP
          5E DD 00007      CLRW EXEC_ADR      : 0609
          02 DD 00009      PUSHL SP          : 0610
          07 DD 0000B      PUSHL #2
          03 FB 0000D      PUSHL #7
          00 FB 00014      CALLS #3, NML_ZERO_NODE
          04 0001B      CALLS #0, NML_ZEROREMOTES
          RET

```

; Routine Size: 28 bytes, Routine Base: \$CODE\$ + 0215

				0004 0000 NML_ZERO_ENTITY:				
	52	00000000G	00	9E	00002	WORD	Save R2	: 0620
	5E		14	C2	00009	MOVAB	NML\$AB_MSGBLOCK, R2	
			7E	D4	0000C	SUBL2	#20, SP	
		04	AE	9F	0000E	CLRL	-(SP)	: 0649
		0C	AE	9F	00011	PUSHAB	DUMDSC	
			05	DD	00014	PUSHAB	NFBDSC	
		04	AC	DD	00016	PUSHL	#5	
00000000G	00		05	FB	00019	PUSHL	ENTITY	
	11		04	AC	D1 00020	CALLS	#5, NML\$GETINFTABS	
			06	D1	00020	CPL	ENTITY, #17	: 0654
	15		04	AC	D1 00026	BEQL	1\$	
			04	12	0002A	CPL	ENTITY, #21	: 0655
08	AC		01	CE	0002C	BNEQ	2\$	
		0C	AE	9F	00030	MNEGL	#1, LEN	: 0656
		00000000'	00	9F	00033	PUSHAB	P2DSC	: 0658
			7E	D4	00039	PUSHAB	NML\$Q_P2BFDSC	
	7E		01	CE	0003B	CLRL	-(SP)	
	7E	08	AC	7D	0003E	MNEGL	#1, -(SP)	
00000000G	00		06	FB	00042	MOVQ	LEN, -(SP)	
			62	D4	00049	CALLS	#6, NML\$BLDP2	
04	A2		01	90	0004B	CLRL	NML\$AB_MSGBLOCK	: 0662
			7E	7C	0004F	MOVB	#1, NML\$AB_MSGBLOCK+4	: 0663
			14	AE	9F 00051	CLRQ	-(SP)	: 0667
			10	AE	DD 00054	PUSHAB	P2DSC	
00000000G	00		04	FB	00057	PUSHL	NFBDSC	
			08	AE	9F 0005E	CALLS	#4, NML\$NETQIO	
			52	DD	00061	PUSHAB	MSGSIZE	: 0671
00000000G	00		02	FB	00063	PUSHL	R2	
			08	AE	DD 0006A	CALLS	#2, NML\$BLD_REPLY	
		00000000G	00	9F	0006D	PUSHL	MSGSIZE	: 0672
00000000G	00		02	FB	00073	PUSHAB	NML\$AB_SNDBUFFER	
			04	0007A		CALLS	#2, NML\$SEND	
						RET		: 0674

: Routine Size: 123 bytes, Routine Base: \$CODE\$ + 0231

```

685 0675 1 %SBTTL 'NML_ZERO_NODE Zero node counters'
686 0676 1 ROUTINE NML_ZERO_NODE (ENTITY, LEN, ADR) : NOVALUE =
687 0677 1
688 0678 1 :++
689 0679 1 : FUNCTIONAL DESCRIPTION:
690 0680 1 :
691 0681 1 :
692 0682 1 : FORMAL PARAMETERS:
693 0683 1 :
694 0684 1 :     ENTITY      Entity Table index (NML$C...)
695 0685 1 :     LEN         Length of entity id string.
696 0686 1 :     ADR        Address of entity id string.
697 0687 1 :
698 0688 1 : SIDE EFFECTS:
699 0689 1 :
700 0690 1 :     A response message will be sent.
701 0691 1 :
702 0692 1 : --
703 0693 1 :
704 0694 2 BEGIN
705 0695 2
706 0696 2 LOCAL
707 0697 2     MSGSIZE,      ! Response message size
708 0698 2     NFBDESC : REF DESCRIPTOR, ! NFB descriptor
709 0699 2     P2DSC  : DESCRIPTOR,      ! P2 parameter descriptor
710 0700 2     DUMDSC : REF DESCRIPTOR; ! Dummy table descriptor
711 0701 2
712 0702 2 :
713 0703 2 : Get the NFB and P2 buffer.
714 0704 2 :
715 0705 2 NML$GETINFTABS (.ENTITY, NML$C_ZERO, NFBDESC, DUMDSC, 0);
716 0706 2 IF .ENTITY NEQ NML$C_NODEBYNAME THEN
717 0707 2 :
718 0708 2 : Zero executor node or node specified by address in the NICE command.
719 0709 2 :
720 0710 2 NML$BLDP2 (0, .(.ADR)<0,16>, -1, 0, NML$Q_P2BFDSC, P2DSC)
721 0711 2 ELSE
722 0712 2 :
723 0713 2 : Zero node specified by name in the NICE command.
724 0714 2 :
725 0715 2 NML$BLDP2 (.LEN, .ADR, -1, 0, NML$Q_P2BFDSC, P2DSC);
726 0716 2 :
727 0717 2 :
728 0718 2 : Initialize message flags and status.
729 0719 2 :
730 0720 2 NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
731 0721 2 NML$AB_MSGBLOCK [MSB$B_CODE] = NML$C_STS_SUC;
732 0722 2 :
733 0723 2 : Zero the counters for the specified node.
734 0724 2 :
735 0725 2 NML$NETQIO (.NFBDESC, P2DSC, 0, 0);
736 0726 2 :
737 0727 2 : If zeroing the executor node's counters, then the excutor's entity ID
738 0728 2 : must be returned in the NICE response message. Add it to the message.
739 0729 2 :
740 0730 2 IF .ENTITY EQL NML$C_EXECUTOR THEN
741 0731 3 BEGIN

```

```

: 742 0732 3
: 743 0733 3      | Add the executor id to the entity buffer.
: 744 0734 3
: 745 0735 3      | NML$GETEXEID (NML$Q_ENTBFDSC, NML$Q_ENTBFDSC [DSC$W_LENGTH]);
: 746 0736 3
: 747 0737 3      | Add the entity id to the message.
: 748 0738 3
: 749 0739 3      | NML$AB_MSGBLOCK [MSB$V_ENTD_FLD] = 1;
: 750 0740 3      | NML$AB_MSGBLOCK [MSB$A_ENTITY] = NML$Q_ENTBFDSC;
: 751 0741 3      | END;
: 752 0742 3
: 753 0743 3      | Build and send the response message.
: 754 0744 3
: 755 0745 3      | NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
: 756 0746 3      | NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
: 757 0747 3
: 758 0748 1      | END;

```

! End of NML_ZERO_NODE

		001C 00000 NML_ZERO_NODE:					
	54	00000000'	00	9E	00002	Save R2,R3,R4	0676
	53	00000000'	00	9E	00009	MOVAB NML\$Q_P2BFDSC, R4	
	52	00000000G	00	9E	00010	MOVAB NML\$Q_ENTBFDSC, R3	
	5E		14	C2	00017	MOVAB NML\$AB_MSGBLOCK, R2	
			7E	D4	0001A	SUBL2 #20, SP	
			04	AE	9F	CLRL -(SP)	0705
			0C	AE	9F	PUSHAB DUMDSC	
				05	DD	PUSHAB NFB DSC	
			04	AC	DD	PUSHL #5	
00000000G	00		05	FB	00027	PUSHL ENTITY	
	04		04	AC	D1	CALLS #5, NML\$GETINFTABS	0706
			12	13	00032	CPL ENTITY, #4	
			0C	AE	9F	BEQL 1\$	0710
			54	DD	00037	PUSHAB P2DSC	
			7E	D4	00039	PUSHL R4	
	7E		01	CE	0003B	CLRL -(SP)	
	7E		0C	BC	3C	MNEGL #1, -(SP)	
			7E	D4	00042	MOVZWL @ADR, -(SP)	
			0E	11	00044	CLRL -(SP)	
			0C	AE	9F	BRB 2\$	0715
			54	DD	00049	PUSHAB P2DSC	
			7E	D4	0004B	PUSHL R4	
	7E		01	CE	0004D	CLRL -(SP)	
	7E		08	AC	7D	MNEGL #1, -(SP)	
00000000G	00		06	FB	00054	MOVQ LEN, -(SP)	
			62	D4	0005B	CALLS #6, NML\$BLDP2	
	04	A2	01	90	0005D	CLRL NML\$AB_MSGBLOCK	0720
			7E	7C	00061	MOVQ #1, NML\$AB_MSGBLOCK+4	0721
			14	AE	9F	CLRL -(SP)	0725
			10	AE	DD	PUSHAB P2DSC	
00000000G	00		04	FB	00069	PUSHL NFB DSC	
	07		04	AC	D1	CALLS #4, NML\$NETQIO	
			12	12	00074	CPL ENTITY, #7	0730
						BNEQ 3\$	

NML\$ZERO
V04-000

NML_ZERO_counters module
NML_ZERO_NODE Zero node counters

J 5
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1 Page 28
(11)

NPI
V04

			53	DD	00076		PUSHL	R3		: 0735
			53	DD	00078		PUSHL	R3		: 0735
00000000G	00		02	FB	0007A		CALLS	#2, NML\$GETEXEID		: 0739
	62		10	88	00081		BISB2	#16, NML\$AB_MSGBLOCK		: 0740
	14	A2	63	9F	00084		MOVAB	NML\$Q_ENTBFDSC, NML\$AB_MSGBLOCK+20		: 0745
			AE	9F	00088	3\$:	PUSHAB	MSGSIZE		: 0745
		08	52	DD	0008B		PUSHL	R2		: 0746
00000000G	00		02	FB	0008D		CALLS	#2, NML\$BLD_REPLY		: 0746
		08	AE	DD	00094		PUSHL	MSGSIZE		: 0746
		00000000G	00	9F	00097		PUSHAB	NML\$AB_SNDBUFFER		: 0748
00000000G	00		02	FB	0009D		CALLS	#2, NML\$SEND		: 0748
			04	00	00A4		RET			: 0748

; Routine Size: 165 bytes. Routine Base: \$CODE\$ + 02AC

```

: 760 0749 1 %SBTTL 'NML_ZEROREMOTES Zero known node counters'
: 761 0750 1 ROUTINE NML_ZEROREMOTES: NOVALUE =
: 762 0751 1
: 763 0752 1 !++
: 764 0753 1 ! FUNCTIONAL DESCRIPTION:
: 765 0754 1
: 766 0755 1 ! This routine zeros the counters for all remote nodes.
: 767 0756 1
: 768 0757 1 ! SIDE EFFECTS:
: 769 0758 1
: 770 0759 1 ! Zero or more response messages will be sent.
: 771 0760 1
: 772 0761 1 !--
: 773 0762 1
: 774 0763 2 BEGIN
: 775 0764 2
: 776 0765 2 LOCAL
: 777 0766 2     BUFEND,
: 778 0767 2     DUMDSC : REF DESCRIPTOR,      ! Dummy table descriptor
: 779 0768 2     ENTPTR,                    ! Pointer to node id in response
: 780 0769 2     LENGTH,
: 781 0770 2     LISDSC : DESCRIPTOR,
: 782 0771 2     MSGSIZE,
: 783 0772 2     NFBDESC : REF DESCRIPTOR,   ! NFB descriptor
: 784 0773 2     P2DSC : DESCRIPTOR,        ! Descriptor for P2 buffer
: 785 0774 2     PTR,
: 786 0775 2     STATUS,
: 787 0776 2     STRTFLG;
: 788 0777 2
: 789 0778 2 ! Get the list of known remote nodes.
: 790 0779 2
: 791 0780 2 STRTFLG = FALSE;
: 792 0781 2
: 793 0782 2 WHILE NML$GET_ENTITY_IDS (NML$C_NODE, NMASC_ENT_KNO, 0, .STRTFLG, LISDSC) DO
: 794 0783 2     BEGIN
: 795 0784 2
: 796 0785 2     STRTFLG = TRUE;
: 797 0786 2
: 798 0787 2     ! Zero counters for all nodes in the list.
: 799 0788 2
: 800 0789 2     PTR = .LISDSC [DSC$A_POINTER];
: 801 0790 2     BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
: 802 0791 2     LENGTH = 2;
: 803 0792 2     NML$GETINFABS (NML$C_NODE, NML$C_ZERO, NFBDESC, DUMDSC, 0);
: 804 0793 2
: 805 0794 2     WHILE .PTR LSSA .BUFEND DO
: 806 0795 2         BEGIN
: 807 0796 2             PTR = .PTR +4;          ! Skip loopnode flag.
: 808 0797 2             NML$BLDP2 (0, .(.PTR)<0,16>, -1, 0, NML$Q_P2BFDSC, P2DSC);
: 809 0798 2
: 810 0799 2             NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;
: 811 0800 2             NML$AB_MSGBLOCK [MSB$B_CODE] = NMASC_STS_SUC;
: 812 0801 2
: 813 0802 2             NML$NETQIO (.NFBDESC, P2DSC, 0, 0);
: 814 0803 2
: 815 0804 2             ! Move node address and name into entity id buffer and
: 816 0805 2             ! advance pointer.

```

```

817 0806 4      |
818 0807 4      |      | ENTPTRE = CH$MOVE (2,
819 0808 4      |      |      | .PTR,
820 0809 4      |      |      | .NML$Q_ENTBFDSC [DSC$A_POINTER]);
821 0810 4      |      | PTR = .PTR + 4;
822 0811 4      |      | LENGTH = (.PTR)<0,16>;
823 0812 4      |      | CH$WCHAR A (.LENGTH, ENTPTRE);
824 0813 4      |      | PTR = .PTR + 2;
825 0814 4      |      | ENTPTRE = CH$MOVE (.LENGTH, .PTR, .ENTPTRE);
826 0815 4      |      | PTR = .PTR + .LENGTH;
827 0816 4      |      |
828 0817 4      |      |      | Add node id to message.
829 0818 4      |      |
830 0819 4      |      | NML$Q_ENTBFDSC [DSC$W_LENGTH] =
831 0820 4      |      |      | .ENTPTRE - .NML$Q_ENTBFDSC [DSC$A_POINTER];
832 0821 4      |      | NML$AB_MSGBLOCK [MSB$V_ENTD_FLD] = 1;
833 0822 4      |      |
834 0823 4      |      |      | Build and send the response message.
835 0824 4      |      |
836 0825 4      |      | NML$BLD REPLY (NML$AB_MSGBLOCK, MSGSIZE);
837 0826 4      |      | NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
838 0827 4      |      | END
839 0828 2      |      | END;
840 0829 2      |      |
841 0830 1      |      | END;

```

! End of NML_ZEROREMOTES

OFFC 0000 NML_ZEROREMOTES:									
	5B	00000000G	00	9E 00002	.WORD	Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11	: 0750		
	5E		1C	C2 00009	MOVAB	NML\$AB_MSGBLOCK, R11			
			59	D4 0000C	SUBL2	#28, SP			
		14	AE	9F 0000E	CLRL	STRIFLG	: 0780		
			59	DD 00011	PUSHAB	LISDSC	: 0782		
			7E	D4 00013	PUSHL	STRIFLG			
	7E		01	CE 00015	CLRL	-(SP)			
			03	DD 00018	MNEGL	#1, -(SP)			
	00000000G	00	05	FB 0001A	PUSHL	#3			
		01	50	E8 00021	CALLS	#5, NML\$GET_ENTITY_IDS			
				04 00024	BLBS	R0, 2\$			
				01 00025	RET				
		59		01 00025	2\$:	MOVL	#1, STRIFLG	: 0785	
		56	18	AE	DO	LISDSC+4, PTR	: 0789		
		5A	14	AE	3C	MOVZWL	LISDSC, BUFEND	: 0790	
		5A	18	AE	C0	ADDL2	LISDSC+4, BUFEND		
		58		02	DO	MOVL	#2, LENGTH	: 0791	
				7E	D4	CLRL	-(SP)	: 0792	
			04	AE	9F	PUSHAB	DUMDSC		
			0C	AE	9F	PUSHAB	NFBDC		
				05	DD	PUSHL	#5		
				03	DD	PUSHL	#3		
	00000000G	00	05	FB	00043	CALLS	#5, NML\$GETINFTABS		
		5A		56	D1	3\$:	CPL	PTR, BUFEND	: 0794
				BF	1E	BGEQU	1\$		
		56		04	C0	ADDL2	#4, PTR	: 0796	

		0C	AE 9F 00052	PUSHAB P2DSC		0797
		00000000'	00 9F 00055	PUSHAB NML\$Q_P2BFDSC		
			7E D4 0005B	CLRL -(SP)		
	7E		01 CE 0005D	MNEGL #1, -(SP)		
	7E		66 3C 00060	MOVZWL (PTR), -(SP)		
			7E D4 00063	CLRL -(SP)		
	00000000G	00	06 FB 00065	CALLS #6, NML\$BLDP2		
			6B D4 0006C	CLRL NML\$AB_MSGBLOCK		0799
	04	AB	01 90 0006E	MOVB #1, NML\$AB_MSGBLOCK+4		0800
			7E 7C 00072	CLRQ -(SP)		0802
		14	AE 9F 00074	PUSHAB P2DSC		
		10	AE DD 00077	PUSHL NFB DSC		
	00000000G	00	04 FB 0007A	CALLS #4, NML\$NETQIO		
			57 00000000'	MOVL NML\$Q_ENTBFDSC+4, R7		0809
			67	MOVW (PTR)7, (R7)		
			53 02	MOVAB 2(R7), ENTPTR		
			56	ADDL2 #2, PTR		0810
			58	MOVZWL (PTR)+, LENGTH		0811
			83	MOVB LENGTH, (ENTPTR)+		0812
	63		66	MOV C3 LENGTH, (PTR), (ENTPTR)		0814
			56	ADDL2 LENGTH, PTR		0815
	00000000'	00	53	SUBW3 R7, ENTPTR, NML\$Q_ENTBFDSC		0820
			68	BISB2 #16, NML\$AB_MSGBLOCK		0821
			08	PUSHAB MSGSIZE		0825
			5B DD 000AD	PUSHL R11		
	00000000G	00	02 FB 000AF	CALLS #2, NML\$BLD_REPLY		
			08	PUSHL MSGSIZE		0826
			AE DD 000B6	PUSHAB NML\$AB_SNDBUFFER		
	00000000G	00	00 9F 000B9	CALLS #2, NML\$SEND		
			02 FB 000BF	BRE 3\$		0794
			82 11 000C6	RET		0830
			04 000C8			

; Routine Size: 201 bytes, Routine Base: \$CODE\$ + 0351

NML\$ZERO
V04-000

NML_ZERO counters module
NML_ZEROREMOTES Zero known node counters

N 5
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1 Page 32
(13)

NP
VO

: 843 0831 1 END
: 844 0832 1
: 845 0833 0 ELUDOM

: End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	784	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$PLITS	84	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	1050	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	33	9	27	00:00.1
\$255\$DUA28:[SHRLIB]NMLIBRY.L32;1	887	8	0	47	00:00.2
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	2	0	581	00:02.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:NMLZERO/OBJ=OBJ\$:NMLZERO MSRC\$:NMLZERO/UPDATE=(ENH\$:NMLZERO)

: Size: 1050 code + 868 data bytes
: Run Time: 00:23.1
: Elapsed Time: 00:42.8
: Lines/CPU Min: 2162
: Lexemes/CPU-Min: 15715
: Memory Used: 147 pages
: Compilation Complete

