


```

EEEEEEEEEE  VV      VV  LL      IIIIII  BBBB8888  RRRRRRRR  AAAAAA  RRRRRRRR  YY      YY
EEEEEEEEEE  VV      VV  LL      IIIIII  88888888  RRRRRRRR  AAAAAA  RRRRRRRR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EEEEEEEEEE  VV      VV  LL      II      BB888888  RRRRRRRR  AA      AA  RRRRRRRR  YY      YY
EEEEEEEEEE  VV      VV  LL      II      88888888  RRRRRRRR  AA      AA  RRRRRRRR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AAAAAAAAAA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AAAAAAAAAA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EE          VV      VV  LL      II      BB      BB  RR      RR  AA      AA  RR      RR  YY      YY
EEEEEEEEEE  VV      VV  LLLLLLLLLL  IIIIII  88888888  RR      RR  AA      AA  RR      RR  YY      YY
EEEEEEEEEE  VV      VV  LLLLLLLLLL  IIIIII  88888888  RR      RR  AA      AA  RR      RR  YY      YY

```

```

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          IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```



0001 0
0002 0
0003 0
0004 0
0005 0
0006 0
0007 0
0008 0
0009 0
0010 0
0011 0
0012 0
0013 0
0014 0
0015 0
0016 0
0017 0
0018 0
0019 0
0020 0
0021 0
0022 0
0023 0
0024 0
0025 0
0026 0
0027 0
0028 0
0029 0
0030 0
0031 0
0032 0
0033 0
0034 0
0035 0
0036 0
0037 0
0038 0
0039 0
0040 0
0041 0
0042 0
0043 0
0044 0
0045 0
0046 0
0047 0
0048 0

XTITLE 'EVLIBRARY Symbol Definition Library'
MODULE EVLIBRARY (
LANGUAGE (BLISS32),
IDENT = 'V04-000'
) =

BEGIN

```
*****  
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*  
*****
```

++
FACILITY: DECnet Event Logging (EVL)
ABSTRACT:
Event Logging Library of Common Definitions
ENVIRONMENT: VAX/VMS Operating System
AUTHOR: Darrell Duffy , CREATION DATE: 15-June-1980
MODIFIED BY:
V001 TMH001 Tim Halvorsen 25-Jun-1981
Remove some obsolete definitions
--

0049 0
0050 0
0051 0
0052 0
0053 0
0054 0
0055 0
0056 0
0057 0
0058 0
0059 0
0060 0
0061 0
0062 0
0063 0
0064 0
0065 0
0066 0
0067 0
0068 0
0069 0
0070 0
0071 0
0072 0
0073 0
0074 0
0075 0
0076 0
0077 0
0078 0
0079 0
0080 0
0081 0
0082 0
0083 0
0084 0
0085 0

%SBTTL 'Definitions'

Structure declarations used for system defined structures to
save typing. These structures are byte sized.
(Thanks to A. Goldstein)

STRUCTURE

BBLOCK [O, P, S, E; N] =
[N]
(BBLOCK+O)<P,S,E>.

BBLOCKVECTOR [I, O, P, S, E; N, BS] =
[N*BS]
((BBLOCKVECTOR+I*BS)+O)<P,S,E>

;

Macro to create a bit id value for net control qio macros

\$BITID

(
Component prefix LNI, NDI, OBI, DLI. ...
Type of parameter V, L, S
Identifier for bit
)

MACRO

\$BITID (COMP, TYP, ID) =
(
(%NAME (COMP, 'SC ', TYP, '_MASK')) ^16 +
(%BITPOSITION (%NAME (COMP, 'SV_', TYP, '_'), ID)))
)
%;

```
0086 0 %SBTTL 'Equated Symbols'  
0087 0  
0088 0  
0089 0  
0090 0  
0091 0  
0092 0  
0093 0  
0094 0  
0095 0  
0096 0  
0097 0  
0098 0  
0099 0
```

! EQUATED SYMBOLS:
LITERAL
TRUE = 1.
FALSE = 0.
SUCCESS = 1.
FAILURE = 0.
!END
!ELUDOM

0100 0
0101 0
0102 0
0103 0
0104 0
0105 0
0106 0
0107 0
0108 0
0109 0
0110 0
0111 0
0112 0
0113 0
0114 0
0115 0
0116 0
0117 0
0118 0
0119 0
0120 0
0121 0
0122 0
0123 0
0124 0
0125 0
0126 0
0127 0
0128 0
0129 0
0130 0
0131 0
0132 0
0133 0
0134 0
0135 0
0136 0
0137 0
0138 0
0139 0
0140 0
0141 0
0142 0
0143 0
0144 0
0145 0
0146 0
0147 0
0148 0
0149 0
0150 0
0151 0
0152 0
0153 0
0154 0
0155 0
0156 0

Version: 'V04-000'

```
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*****
```

```
++  
NMAHEAD.B32  
Define $EQLST macro to make library from the NMLIBRY.B32 file  
This source is taken from the following source:
```

```
--  
++  
UTLDEF.B32 - UTILITY DEFINITION MACROS FOR BLISS PROCESSING  
OF STARLET DEFINITION MACROS.  
--
```

MACRO TO GENERATE EQLST CONSTRUCTS.

```
MACRO  
$EQLST(P,G,I,S)[A]=  
  %NAME(P,GET1ST_A) =  
  %IF NUL2ND_A  
  %THEN (I) % %COUNT*(S) ! ASSUMES I, S ALWAYS GENERATED BY CONVERSION PROGRAM  
  %ELSE GET2ND_A  
  %FI %,  
  
GET1ST_(A,B)=  
  A_%  
GET2ND_(A,B)=  
  B_% ! KNOWN NON-NULL
```

```
.. M 0157 0      NUL2ND (A,B)=  
.. 0158 000      %NULL(B) %;  
.. 0159 000  
.. 0160 000      |  
.. 0161 000      |  
.. 0162 000      |  
..      |      End of NMAHEAD
```

0163 0
0164 0
0165 0
0166 0
0167 0
0168 0
0169 0
0170 0
0171 0
0172 0
0173 0
0174 0
0175 0
0176 0
0177 0
0178 0
0179 0
0180 0
0181 0
0182 0
0183 0
0184 0
0185 0
0186 0
0187 0
0188 0
0189 0
0190 0
0191 0
0192 0
0193 0
0194 0
0195 0
0196 0
0197 0
0198 0
0199 0
0200 0
0201 0
0202 0
0203 0
0204 0
0205 0
0206 0
0207 0
0208 0
0209 0
0210 0
0211 0
0212 0
0213 0
0214 0
0215 0
0216 0
0217 0
0218 0
0219 0

```

:      .TITLE  EVLDEF          Network Event Logger Definitions
:      .IDENT  'V04-000'
:
:*****
:
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:*****
:
:++
:  FACILITY:   DECnet-VAX Network Management Components
:              for Event Logging
:
:  ABSTRACT:
:
:              Common Definitions for Network Management Event Logging
:              These definitions are private to the EVL component.
:
:  ENVIRONMENT: VAX/VMS Operating System
:
:  AUTHOR:     Darrell Duffy, Tim Halvorsen, 13-June-1980
:
:  MODIFIED BY:
:
:              V005      MKP0001      Kathy Perko      27-June-1984
:              Now that OPCOM can handle more than 256 bytes, increase
:              the length fields for opcom message from a byte to a word.
:
:              V004      TMH0004      Tim Halvorsen    20-Jul-1983
:              Increase amount of storage allocated for event
:              transmitter NCB.
:
:              V003      TMH0003      Tim Halvorsen    25-Jun-1981
:              Add two event flag symbols.
:
:              V002      TMH0002      Tim Halvorsen    20-Nov-1980
:              Change definition of second byte of source data
```



```
: 0220 0      | structure in the filter database from a sink mask  
: 0221 0      | to a sink number (which is what NML is using).  
: 0222 0      |  
: 0223 0      |      V001      TMH001      Tim Halvorsen  17-Nov-1980  
: 0224 0      |      Add descriptor of previous line output for  
: 0225 0      |      console formatting routines.  
: 0226 0      |      --
```


0269 0
0270 0
0271 0
0272 0
0273 0
0274 0
0275 0
0276 0
0277 0
0278 0
0279 0
0280 0
0281 0
0282 0
0283 0
0284 0
0285 0
0286 0
0287 0
0288 0
0289 0
0290 0
0291 0
0292 0
0293 0
0294 0
0295 0
0296 0

! Data block descriptor

!...\$DBKDEF

MACRO DBK\$L_FL = 0,0,32,0%; ! Forward link in queue
MACRO DBK\$B_BL = 4,0,32,0%; ! Backward link in queue
MACRO DBK\$W_SIZE = 8,0,16,0%; ! Size of structure
LITERAL DBK\$C_SIZE = 10;
LITERAL DBK\$K_SIZE = 10;

! Event Queue block

!...\$EVQDEF

MACRO EVQ\$L_FL = 0,0,32,0%; ! Forward link
MACRO EVQ\$B_BL = 4,0,32,0%; ! Backward link
MACRO EVQ\$W_SIZE = 8,0,16,0%; ! Size of structure
MACRO EVQ\$W_EVT_SIZE = 10,0,16,0%; ! Bytes in the event
MACRO EVQ\$T_EVENT = 12,0,0,0%; ! Start of event data
LITERAL EVQ\$C_SIZE = 12;
LITERAL EVQ\$K_SIZE = 12;

0297 0
0298 0
0299 0
0300 0
0301 0
0302 0
0303 0
0304 0
0305 0
0306 0
0307 0
0308 0
0309 0
0310 0
0311 0
0312 0
0313 0
0314 0
0315 0
0316 0
0317 0
0318 0
0319 0
0320 0
0321 0
0322 0
0323 0
0324 0
0325 0
0326 0
0327 0
0328 0
0329 0
0330 0
0331 0
0332 0
0333 0
0334 0
0335 0
0336 0
0337 0
0338 0
0339 0
0340 0
0341 0
0342 0
0343 0
0344 0
0345 0
0346 0
0347 0
0348 0
0349 0
0350 0
0351 0
0352 0
0353 0

.....
: Structures used in the event transmitter
:

.....
: AST Parameter Control Block
:

!...\$ASPDEF

MACRO	ASPSL_FL	= 0,0,32,0%:	! Forward link
MACRO	ASPSL_BL	= 4,0,32,0%:	! Backward link
MACRO	ASPSW_SIZE	= 8,0,16,0%:	! Size of structure
MACRO	ASPSW_NETCHAN	= 10,0,16,0%:	! Channel to net device
MACRO	ASPSW_IOSB	= 12,0,16,0%:	! IO status block
MACRO	ASPSW_IOSB1	= 14,0,16,0%:	! Remainder of iosb
MACRO	ASPSL_IOSB2	= 16,0,32,0%:	
MACRO	ASPSL_ROUTINE	= 20,0,32,0%:	! address of routine to perform
MACRO	ASPST_DATA	= 24,0,0,0%:	! Data area address
LITERAL	ASPSC_SIZE	= 24:	
LITERAL	ASPSK_SIZE	= 24:	

.....
: Sink control block structure, provides the context for
the outgoing logical links from the event transmitter.
:

!...\$SNKDEF

MACRO	SNKSL_FL	= 0,0,32,0%:	! Forward link
MACRO	SNKSL_BL	= 4,0,32,0%:	! Backward link
MACRO	SNKSW_SIZE	= 8,0,16,0%:	! Size of structure
MACRO	SNKSW_NETCHAN	= 10,0,16,0%:	! Channel to net device
MACRO	SNKSW_IOSB	= 12,0,16,0%:	! IO status block
MACRO	SNKSW_IOSB1	= 14,0,16,0%:	! Remainder of iosb
MACRO	SNKSL_IOSB2	= 16,0,32,0%:	
MACRO	SNKSL_ROUTINE	= 20,0,32,0%:	! address of routine to perform
MACRO	SNKSL_SNKADR	= 24,0,32,0%:	! Address of sink node
MACRO	SNKSL_SRCFL	= 28,0,32,0%:	! Head of source list
MACRO	SNKSL_SRCBL	= 32,0,32,0%:	
MACRO	SNKSL_EVTFL	= 36,0,32,0%:	! Head of event queue
MACRO	SNKSL_EVTBL	= 40,0,32,0%:	
MACRO	SNKSW_EVTCNT	= 44,0,16,0%:	! Number of events on the queue
MACRO	SNKSB_STATUS	= 46,0,8,0%:	! Status of logical link to node
MACRO	SNKSV_STS_OPN	= 46,0,1,0%:	! Link is open
LITERAL	SNKSM_STS_OPN	= 1^1 - 1^0:	
MACRO	SNKSV_STS_BSY	= 46,1,1,0%:	! Some action in progress
LITERAL	SNKSM_STS_BSY	= 1^2 - 1^1:	
MACRO	SNKSV_STS_BKD	= 46,2,1,0%:	! Back door in use
LITERAL	SNKSM_STS_BKD	= 1^3 - 1^2:	
MACRO	SNKSV_STS_DEL	= 46,3,1,0%:	! Delete on close
LITERAL	SNKSM_STS_DEL	= 1^4 - 1^3:	
MACRO	SNKSV_STS_CLS	= 46,4,1,0%:	! Close and delete
LITERAL	SNKSM_STS_CLS	= 1^5 - 1^4:	
MACRO	SNKSV_STS_TMR	= 46,5,1,0%:	! Close on non-use timer outstanding

```
0354 0 LITERAL SNKSM_STS_TMR = 1^6 - 1^5;
0355 0
0356 0 MACRO SNKSB_SNKLOS = 47,0,8,0%; ! Sink mask for lost events
0357 0 MACRO SNKSL_SNKLEN = 48,0,32,0%; ! Descriptor of ncb
0358 0 MACRO SNKSA_SNKNCB = 52,0,32,0%;
0359 0 MACRO SNKST_SNKNCB = 56,0,0,0%; ! NCB of link
0360 0 LITERAL SNKSS_SNKNCB = 64;
0361 0 LITERAL SNKSC_SIZE = 120;
0362 0 LITERAL SNKSK_SIZE = 120;
```

0363 0
 0364 0
 0365 0
 0366 0
 0367 0
 0368 0
 0369 0
 0370 0
 0371 0
 0372 0
 0373 0
 0374 0
 0375 0
 0376 0
 0377 0
 0378 0
 0379 0
 0380 0
 0381 0
 0382 0
 0383 0
 0384 0
 0385 0
 0386 0
 0387 0
 0388 0
 0389 0
 0390 0
 0391 0
 0392 0
 0393 0
 0394 0
 0395 0
 0396 0
 0397 0
 0398 0
 0399 0
 0400 0
 0401 0

Source descriptor block

!...\$SRCDEF

MACRO	SRC\$L_FL	= 0,0,32,0%;	! Forward link
MACRO	SRC\$B_FL	= 4,0,32,0%;	! Backward link
MACRO	SRC\$W_SIZE	= 8,0,16,0%;	! Size of structure
MACRO	SRC\$B_SNKTYPE	= 10,0,8,0%;	! Sink type
MACRO	SRC\$B_SRCYP	= 11,0,8,0%;	! Source type code
MACRO	SRC\$T_SRCID	= 12,0,0,0%;	! Source name
LITERAL	SRC\$S_SRCID	= 18;	
MACRO	SRC\$W_FILTERS	= 30,0,16,0%;	! Number of filters
MACRO	SRC\$T_FILTERS	= 32,0,0,0%;	! Start of filters
LITERAL	SRC\$C_SIZE	= 32;	
LITERAL	SRC\$K_SIZE	= 32;	

Filter descriptor

!...\$FLTDEF

MACRO	FLT\$W_CLASS	= 0,0,16,0%;	! Class of event
MACRO	FLT\$V_CLASS	= 0,0,9,0%;	! Class code
LITERAL	FLT\$M_CLASS	= 1^9 - 1^0;	
MACRO	FLT\$V_WLDCOD	= 0,14,2,0%;	! Wild card code
LITERAL	FLT\$M_WLDCOD	= 1^16 - 1^14;	
MACRO	FLT\$Q_TYPESLOG	= 4,0,0,0%;	! Type mask to log
LITERAL	FLT\$S_TYPESLOG	= 8;	
MACRO	FLT\$Q_TYPESFIL	= 12,0,0,0%;	! Type mask to filter
LITERAL	FLT\$S_TYPESFIL	= 8;	
LITERAL	FLT\$C_SIZE	= 20;	
LITERAL	FLT\$K_SIZE	= 20;	

0402 0
0403 0
0404 0
0405 0
0406 0
0407 0
0408 0
0409 0
0410 0
0411 0
0412 0
0413 0
0414 0
0415 0
0416 0
0417 0
0418 0
P 0419 0
P 0420 0
P 0421 0
P 0422 0
P 0423 0
P 0424 0
0425 0
0426 0
P 0427 0
P 0428 0
P 0429 0
P 0430 0
P 0431 0
0432 0
0433 0
0434 0
0435 0
0436 0
0437 0
0438 0
0439 0
0440 0
0441 0
0442 0
0443 0
0444 0
0445 0
0446 0
0447 0
0448 0
0449 0
0450 0
0451 0
0452 0
0453 0
0454 0
0455 0
0456 0
0457 0
0458 0

Define structures used by the receiver

Define sink type descriptor block

!...\$SINKDEF

```
MACRO          SINK$LINK      = 0,0,32,0%;      ! Queue links
MACRO          SINK$BLINK     = 4,0,32,0%;
MACRO          SINK$B_TYPE    = 8,0,8,0%;          ! Type of sink
LITERAL
SEQULST (SINK$C_,GBL,0,1
        ,(ACTIVE,254)          ! Active sink types
        ,(KNOWN,255)          ! Known sink types
        ,(CONSOLE,1)          ! Console sink
        ,(FILE,2)             ! File sink
        ,(MONITOR,3)          ! Monitor process sink
        );
MACRO          SINK$B_STATE    = 9,0,8,0%;
LITERAL
SEQULST (SINK$C_,GBL,0,1
        ,(ON,)                ! Sink is on
        ,(OFF,)               ! Sink is off, ignore all events
        ,(HOLD,)              ! Sink is holding all events until turned on
        );
MACRO          SINK$W_EVENTS   = 10,0,16,0%;      ! Number of events on queue
MACRO          SINK$EVTFL     = 12,0,32,0%;      ! Queue head of event data blocks
MACRO          SINK$EVTBL     = 16,0,32,0%;
MACRO          SINK$B_FLAGS   = 20,0,8,0%;      ! Flags
MACRO          SINK$V_DELETE  = 20,0,1,0%;      ! Indicates sink should be deleted when the
LITERAL        SINK$M_DELETE  = 1^1 - 1^0;
        ! events queued for this sink are output
MACRO          SINK$V_ERROR   = 20,1,1,0%;      ! "error" state! all events are ignored to
LITERAL        SINK$M_ERROR   = 1^2 - 1^1;
        ! this sink until a data base change
MACRO          SINK$W_MAXBUFSIZ = 22,0,16,0%;    ! Maximum size of buffer (OPCOM monitor only)
MACRO          SINK$W_BUFLN   = 24,0,16,0%;    ! Bytes currently in buffer (OPCOM monitor only)
MACRO          SINK$W_BUFFER  = 26,0,32,0%;    ! Address of buffer (OPCOM monitor only)
MACRO          SINK$W_RAB     = 30,0,32,0%;    ! Address of RAB/FAB storage block (file only)
MACRO          SINK$W_CHANNEL = 30,0,16,0%;    ! Channel for I/O (monitor only)
MACRO          SINK$W_CLOSERTN = 34,0,32,0%;    ! Address of routine to perform close
        ! nonzero if sink has been initialized
MACRO          SINK$W_IOSB    = 38,0,16,0%;    ! I/O status block specific to this sink
MACRO          SINK$W_IOSB1   = 40,0,16,0%;
MACRO          SINK$W_IOSB2   = 42,0,32,0%;
MACRO          SINK$B_NAMELEN = 46,0,8,0%;      ! Length of sink name string
MACRO          SINK$T_NAME    = 47,0,0,0%;      ! Sink name string
LITERAL        SINK$S_NAME    = 255;
LITERAL        SINK$C_LENGTH  = 302;
```

```
0459 0 LITERAL SINK$_LENGTH = 302; ! Length of sink descriptor block
0460 0
0461 0
0462 0 !
0463 0 ! Define incoming event channel context block
0464 0 !
0465 0 !...$IECDEF
0466 0
0467 0 MACRO IEC$_LINK = 0,0,32,0%; ! Forward link
0468 0 MACRO IEC$_BLINK = 4,0,32,0%; ! Backward link
0469 0 MACRO IEC$_SIZE = 8,0,16,0%; ! Size of entire structure
0470 0 MACRO IEC$_CHAN = 10,0,16,0%; ! Network incoming channel number
0471 0 MACRO IEC$_IOSB = 12,0,16,0%; ! I/O status block
0472 0 MACRO IEC$_IOSB1 = 14,0,16,0%;
0473 0 MACRO IEC$_IOSB2 = 16,0,32,0%;
0474 0 MACRO IEC$_NCBLEN = 20,0,8,0%; ! Length of NCB
0475 0 MACRO IEC$_NCB = 21,0,0,0%; ! NCB for incoming link
0476 0 LITERAL IEC$_NCB = 64;
0477 0 LITERAL IEC$_MAXNCBLEN = 64;
0478 0 MACRO IEC$_EVENT = 85,0,0,0%; ! Buffer for event record
0479 0 LITERAL IEC$_EVENT = 250;
0480 0 LITERAL IEC$_MAXEVTLEN = 250;
0481 0 LITERAL IEC$_LENGTH = 335;
0482 0 LITERAL IEC$_LENGTH = 335; ! Fixed length of structure
```


0483 0
 0484 0
 0485 0
 0486 0
 0487 0
 0488 0
 0489 0
 0490 0
 0491 0
 0492 0
 0493 0
 0494 0
 0495 0
 0496 0
 0497 0
 0498 0
 0499 0
 0500 0
 0501 0
 0502 0
 0503 0
 0504 0
 0505 0
 0506 0
 0507 0
 0508 0
 0509 0
 0510 0
 0511 0
 0512 0
 0513 0
 0514 0
 0515 0
 0516 0
 0517 0
 0518 0
 0519 0
 0520 0
 0521 0
 0522 0
 0523 0
 0524 0
 0525 0
 0526 0
 0527 0
 0528 0
 0529 0
 0530 0
 0531 0
 0532 0
 0533 0
 0534 0
 0535 0
 0536 0
 0537 0
 0538 0
 0539 0

Define the bits for controlling messages to the batch log
 of the event processor.

!...\$ELGDEF

MACRO	ELGSV_DBUPDAT	= 0,0,1,0%;	! Data base updates for transmit or receive
LITERAL	ELGSM_DBUPDAT	= 1^1 - 1^0;	
MACRO	ELGSV_SNKOPN	= 0,1,1,0%;	! Link to sink node opened
LITERAL	ELGSM_SNKOPN	= 1^2 - 1^1;	
MACRO	ELGSV_RCVCCF	= 0,2,1,0%;	! Link confirmed by receiver
LITERAL	ELGSM_RCVCCF	= 1^3 - 1^2;	
MACRO	ELGSV_MONOPN	= 0,3,1,0%;	! Link opened to event monitor
LITERAL	ELGSM_MONOPN	= 1^4 - 1^3;	
MACRO	ELGSV_RAW EVT	= 0,4,1,0%;	! Text of raw event
LITERAL	ELGSM_RAW EVT	= 1^5 - 1^4;	
MACRO	ELGSV_QUEEVT	= 0,5,1,0%;	! Text of event queued to sink
LITERAL	ELGSM_QUEEVT	= 1^6 - 1^5;	
MACRO	ELGSV_RCVEVT	= 0,6,1,0%;	! Text of event received by receiver
LITERAL	ELGSM_RCVEVT	= 1^7 - 1^6;	

Counter descriptor List entry

!...\$CTBDEF

MACRO	CTBSW_PCODE	= 0,0,16,0%;	! Parameter code for counter
MACRO	CTBSW_OFFSET	= 2,0,16,0%;	! Offset in counter block
MACRO	CTBSB_WIDTH	= 4,0,8,0%;	! Width of counter in bits
MACRO	CTBSB_ADDQ	= 5,0,8,0%;	! True for accumulate counter
MACRO	CTBSW_BITMAP	= 6,0,16,0%;	! Bitmap mask for this counter
LITERAL	CTBSC_SIZE	= 8;	
LITERAL	CTBSK_SIZE	= 8;	! Total size of structure

Line id conversion table entry

!...\$VDLDEF ! VMS to DNA Line table

MACRO	VDLSA_VMS	= 0,0,32,0%;	! Address of vms name counted string
MACRO	VDLSA_DNA	= 4,0,32,0%;	! Address of dna name counted string
MACRO	VDLSB_TYP	= 8,0,8,0%;	! Type mask for

```
0540 0 MACRO VDL$V_PNT = 8,0,1,0%: ! point to point lines
0541 0 LITERAL VDL$M_PNT = 1^1 - 1^0;
0542 0 MACRO VDL$V_MUX = 8,1,1,0%: ! multiplexed lines
0543 0 LITERAL VDL$M_MUX = 1^2 - 1^1;
0544 0 MACRO VDL$V_MPT = 8,2,1,0%: ! multipoint lines
0545 0 LITERAL VDL$M_MPT = 1^3 - 1^2;
0546 0
0547 0 MACRO VDL$B_COEF = 9,0,8,0%: ! Unit/tributary coefficient
0548 0 : Unit = vms unit / coef
0549 0 : trib = vms unit mod coef
0550 0 LITERAL VDL$C_SIZE = 10;
0551 0 LITERAL VDL$K_SIZE = 10; ! size of structure
0552 0
0553 0
0554 0 :
0555 0 IOSB fields
0556 0 :
0557 0
0558 0 !...$IOSBDEF
0559 0
0560 0 MACRO IOSB$W_STS = 0,0,16,0%: ! Primary status
0561 0 MACRO IOSB$W_CNT = 2,0,16,0%: ! Normally size of transfer
0562 0 MACRO IOSB$W_STS2 = 4,0,16,0%: ! Secondary status
0563 0 MACRO IOSB$W_STS3 = 6,0,16,0%: ! Tertiary status
0564 0 LITERAL IOSB$C_SIZE = 8;
0565 0 LITERAL IOSB$K_SIZE = 8;
0566 0
0567 0
0568 0 :
0569 0 End of EVLDEF.MDL
0570 0
```

0571 0
0572 0
0573 0
0574 0
0575 0
0576 0
0577 0
0578 0
0579 0
0580 0
0581 0
0582 0
0583 0
0584 0
0585 0
0586 0
0587 0
0588 0
0589 0
0590 0
0591 0
0592 0
0593 0
0594 0
0595 0
0596 0
0597 0
0598 0
0599 0
0600 0
0601 0
0602 0
0603 0
0604 0
0605 0
0606 0
0607 0
0608 0
0609 0
0610 0
0611 0
0612 0
0613 0

```
Version: 'V04-000'  
*****  
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*  
*****  
++  
NMATAIL.B32  
  
Source to undeclare the macros required for the precompile of  
NMALIBRY.B32 so they do not appear in the library.  
--  
  
UNDECLARE %QUOTE $EQLST,  
%QUOTE GET1ST_,  
%QUOTE GET2ND_,  
%QUOTE NUL2ND_  
;  
  
End of NMATAIL.B32
```

COMMAND QUALIFIERS

BLISS/LIBRARY=LIBS:EVLIBRARY/LIST=LISS:EVLIBRARY SRCS:EVLIBRARY+SRCS:LIBHEAD+LIBS:EVLDEF+SRCS:LIBTAIL

: Run Time: 00:05.8
: Elapsed Time: 00:10.2
: Lines/CPU Min: 6308

: Lexemes/CPU-Min: 32531
: Memory Used: 46 pages
: Library Precompilation Complete



