```
EEEEEEEEEEEEEEEE   DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEEEEEEEEEEE       DDD      DDD           TTT
EEEEEEEEEEEE       DDD      DDD           TTT
EEEEEEEEEEEE       DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEE                DDD      DDD           TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD             TTT
```

EXE

Mod

EDT
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EDT
SYS
LBR
LIB

```
TTTTTTTTT1  RRRRRRRR      AAAAAA    CCCCCCCC   EEEEEEEEEE  MM      MM     AAAAAA    CCCCCCCC
TTTTTTTTTT  RRRRRRRR      AAAAAA    CCCCCCCC   EEEEEEEEEE  MM      MM     AAAAAA    CCCCCCCC
   TT       RR      RR   AA    AA   CC         EE          MMMM  MMMM   AA    AA   CC
   TT       RR      RR   AA    AA   CC         EE          MMMM  MMMM   AA    AA   CC
   TT       RR      RR   AA    AA   CC         EE          MM MM MM MM  AA    AA   CC
   TT       RRRRRRRR     AA    AA   CC         EEEEEEE     MM  MM  MM   AA    AA   CC
   TT       RRRRRRRR     AA    AA   CC         EEEEEEE     MM      MM   AA    AA   CC
   TT       RR  RR       AAAAAAAAAA CC         EE          MM      MM   AAAAAAAAAA CC
   TT       RR   RR      AAAAAAAAAA CC         EE          MM      MM   AAAAAAAAAA CC
   TT       RR    RR     AA    AA   CC         EE          MM      MM   AA    AA   CC
   TT       RR    RR     AA    AA   CC         EE          MM      MM   AA    AA   CC
   Tï       RR     RR    AA    AA   CCCCCCCC   EEEEEEEEEE  MM      MM   AA    AA   CCCCCCCC    ....
   TT       RR     RR    AA    AA   CCCCCCCC   EEEEEEEEEE  MM      MM   AA    AA   CCCCCCCC    ....

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
```

```
0001  0    !*****************************************************************
0002  0    !*                                                               *
0003  0    !*    COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                    *
0004  0    !*    DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.     *
0005  0    !*    ALL RIGHTS RESERVED.                                       *
0006  0    !*                                                               *
0007  0    !*    THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
0008  0    !*    ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE  *
0009  0    !*    INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
0010  0    !*    COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
0011  0    !*    OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
0012  0    !*    TRANSFERRED.                                               *
0013  0    !*                                                               *
0014  0    !*    THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
0015  0    !*    AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
0016  0    !*    CORPORATION.                                               *
0017  0    !*                                                               *
0018  0    !*    DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
0019  0    !*    SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.    *
0020  0    !*                                                               *
0021  0    !*                                                               *
0022  0    !*****************************************************************
0023  0
0024  0    !+
0025  0    ! This file, TRACEMAC.REQ, holds the $$TRACE and $$TRACE_READ macros for EDT.
0026  0    !-
0027  0    !<BLF/macro>
0028  0
0029  0    MACRO
0030  0        $$TRACE (TYPE, SUBTYPE, TEXT_LENGTH, TEXT_ADDR) =
0031  0        %BLISS32 [                                   ! Only on VAX-11
0032  0
0033  0            %IF EDT$$TR_ACT
0034  0            %THEN                                   ! Only if selected
0035  0                BEGIN
0036  0
0037  0                LOCAL
0038  0                    TRACE_STATUS;
0039  0
0040  0                EXTERNAL ROUTINE
0041  0                    EDT$$TR_WR : ADDRESSING_MODE (GENERAL);
0042  0
0043  0                TRACELIT;                           ! Define trace literals
0044  0                TRACE_STATUS = EDT$$TR_WR (TYPE, SUBTYPE, TEXT_LENGTH, TEXT_ADDR);
0045  0
0046  0                IF ( NOT .TRACE_STATUS) THEN SIGNAL_STOP (.TRACE_STATUS);
0047  0
0048  0                END
0049  0            %FI
0050  0
0051  0            ] %,
0052  0        $$TRACE_READ (TYPE, SUBTYPE, BUFFER_LENGTH, BUFFER_ADDR, TEXT_LEN) =
0053  0        %BLISS32 [                                   ! Only on VAX-11
0054  0
0055  0            %IF EDT$$TR_ACT
0056  0            %THEN                                   ! Only if selected
0057  0                BEGIN
```

```
M 0058  0              LOCAL
M 0059  0                  TRACE_STATUS;
M 0060  0
M 0061  0              EXTERNAL ROUTINE
M 0062  0                  EDT$$TR_RD : ADDRESSING_MODE (GENERAL);
M 0063  0
M 0064  0              TRACELIT;                                ! Define trace literals
M 0065  0
M 0066  0              EXTERNAL
M 0067  0                  EDT$$L_TR_INFLG : ADDRESSING_MODE (GENERAL);
M 0068  0
M 0069  0              IF ( NOT .EDT$$L_TR_INFLG)
M 0070  0              THEN
M 0071  0                  0
M 0072  0              ELSE
M 0073  0                  BEGIN
M 0074  0                  TRACE_STATUS = EDT$$TR_RD (TYPE, SUBTYPE, BUFFER_LENGTH, BUFFER_ADDR, TEXT_LEN);
M 0075  0
M 0076  0                  IF ( NOT .TRACE_STATUS) THEN SIGNAL_STOP (.TRACE_STATUS);
M 0077  0
M 0078  0                  1
M 0079  0                  END
M 0080  0
M 0081  0              END
M 0082  0          %ELSE
M 0083  0              0
M 0084  0          %FI
M 0085  0
M 0086  0          ] %,
M 0087  0      $$TRACE_READING (ACTION) =
M 0088  0          %BLISS32 [                                ! Only on VAX-11
M 0089  0
M 0090  0          %IF EDT$$TR_ACT
M 0091  0          %THEN                                    ! Only if selected
M 0092  0              BEGIN
M 0093  0
M 0094  0              EXTERNAL
M 0095  0                  EDT$$L_TR_INFLG : ADDRESSING_MODE (GENERAL);
M 0096  0
M 0097  0              IF .EDT$$L_TR_INFLG THEN %REMOVE (ACTION)
M 0098  0
M 0099  0              END
M 0100  0          %ELSE
M 0101  0              0
M 0102  0          %FI
M 0103  0
M 0104  0          ] %;
  0105  0
  0106  0      REQUIRE 'EDTSRC:TRACELIT.REQ';                    ! Define macro TRACELIT
  0107  0
```

```
R0130   0
R0131   0   !+
R0132   0   ! This file, TRACELIT.REQ, contains the literals for trace record types and
R0133   0   !       subtypes.
R0134   0   !-
R0135   0
R0136   0   MACRO
MR0137  0       TRACELIT =
MR0138  0
MR0139  0
MR0140  0   LITERAL
MR0141  0       EDT$$TR_START = 1,              ! Startup
MR0142  0       EDT$$TR_SSTART_INIT  = 1,       ! First record in file
MR0143  0       EDT$$TR_SSTART_TERM  = 2,       ! Terminal type
MR0144  0       EDT$$TR_COM = 2,               ! Command line
MR0145  0       EDT$$TR_SCOM_INP  = 1,          ! Input file name
MR0146  0       EDT$$TR_SCOM_OUT  = 2,          ! Output file name
MR0147  0       EDT$$TR_SCOM_CMD  = 3,          ! Command file name
MR0148  0       EDT$$TR_SCOM_JOU  = 4,          ! Journal file name
MR0149  0       EDT$$TR_SCOM_SW_JOU  = 5,       ! Value of /JOURNAL switch
MR0150  0       EDT$$TR_SCOM_SW_CMD  = 6,       ! Value of /COMMAND switch
MR0151  0       EDT$$TR_SCOM_SW_REC  = 7,       ! Value of /RECOVER switch
MR0152  0       EDT$$TR_SCOM_SW_REA  = 8,       ! /READ switch seen
MR0153  0       EDT$$TR_KEY = 3,               ! Keyboard input
MR0154  0       EDT$$TR_SK_PROMPT  = 1,         ! Prompt string
MR0155  0       EDT$$TR_SK_LN  = 2,            ! Line read using RMS
MR0156  0       EDT$$TR_SK_STS  = 3,           ! RMS STS from that read
MR0157  0       EDT$$TR_SK_TERM_NE  = 4,       ! Line terminator, not echoed
MR0158  0       EDT$$TR_SK_CH  = 5,            ! Characters read using QIO, with echo
MR0159  0       EDT$$TR_SK_CH_NE  = 6,         ! Characters read using QIO, no echo
MR0160  0       EDT$$TR_SCR  = 4,             ! Screen output
MR0161  0       EDT$$TR_SSCR_LN  = 1,          ! Line printed using RMS
MR0162  0       EDT$$TR_SSCR_CH  = 2,          ! Characters printed using QIO
MR0163  0       EDT$$TR_IFO  = 5,             ! Input file open
MR0164  0       EDT$$TR_SIFO_FNAM  = 1,        ! File name
```

```
MR0165  0        EDT$$TR_SIFO_DNAM   = 2,        ! Default file name
MR0166  0        EDT$$TR_SIFO_RLNAM  = 3,        ! Related file name
MR0167  0        EDT$$TR_SIFO_OPN_STS = 4,       ! STS from $OPEN
MR0168  0        EDT$$TR_SIFO_OPN_STV = 5,       ! STV from $OPEN
MR0169  0        EDT$$TR_SIFO_OPN_IFI = 6,       ! IFI from $OPEN
MR0170  0        EDT$$TR_SIFO_CON_STS = 7,       ! STS from $CONNECT
MR0171  0        EDT$$TR_SIFO_CON_STV = 8,       ! STV from $CONNECT
MR0172  0        EDT$$TR_SIFO_CON_ISI = 9,       ! ISI from $CONNECT
MR0173  0        EDT$$TR_SIFO_RNAM   = 10,       ! Resultant file name
MR0174  0        EDT$$TR_IFR  = 6,               ! Input file read
MR0175  0        EDT$$TR_SIFR_ISI   = 1,         ! ISI of file
MR0176  0        EDT$$TR_SIFR_STS   = 2,         ! STS from $GET
MR0177  0        EDT$$TR_SIFR_STV   = 3,         ! STV from $GET
MR0178  0        EDT$$TR_SIFR_REC   = 4,         ! Text of the record read
MR0179  0        EDT$$TR_IFC  = 7,               ! Input file close
MR0180  0        EDT$$TR_SIFC_IFI   = 1,         ! IFI of file
MR0181  0        EDT$$TR_SIFC_STS   = 2,         ! STS from $CLOSE
MR0182  0        EDT$$TR_SIFC_STV   = 3,         ! STV from $CLOSE
MR0183  0        EDT$$TR_OFO  = 8,               ! Output file open
MR0184  0        EDT$$TR_SOFO_FNAM  = 1,         ! File name
MR0185  0        EDT$$TR_SOFO_DNAM  = 2,         ! Default file name
MR0186  0        EDT$$TR_SOFO_RLNAM = 3,         ! Related file name
MR0187  0        EDT$$TR_SOFO_CRE_STS = 4,       ! STS from $CREATE
MR0188  0        EDT$$TR_SOFO_CRE_STV = 5,       ! STV from $CREATE
MR0189  0        EDT$$TR_SOFO_CRE_IFI = 6,       ! IFI from $CREATE
MR0190  0        EDT$$TR_SOFO_CON_STS = 7,       ! STS from $CONNECT
MR0191  0        EDT$$TR_SOFO_CON_STV = 8,       ! STV from $CONNECT
MR0192  0        EDT$$TR_SOFO_CON_ISI = 9,       ! ISI from $CONNECT
MR0193  0        EDT$$TR_SOFO_RNAM  = 10,        ! Resultant file name
MR0194  0        EDT$$TR_AFO  = 9,               ! Append file open
MR0195  0        EDT$$TR_SAFO_FNAM  = 1,         ! File name
MR0196  0        EDT$$TR_SAFO_DNAM  = 2,         ! Default file name
MR0197  0        EDT$$TR_SAFO_RLNAM = 3,         ! Related file name
MR0198  0        EDT$$TR_SAFO_OPN_STS = 4,       ! STS from $OPEN
MR0199  0        EDT$$TR_SAFO_OPN_STV = 5,       ! STV from $OPEN
MR0200  0        EDT$$TR_SAFO_OPN_IFI = 6,       ! IFI from $OPEN
MR0201  0        EDT$$TR_SAFO_CON_STS = 7,       ! STS from $CONNECT
MR0202  0        EDT$$TR_SAFO_CON_STV = 8,       ! STV from $CONNECT
MR0203  0        EDT$$TR_SAFO_CON_ISI = 9,       ! ISI from $CONNECT
MR0204  0        EDT$$TR_SAFO_RNAM  = 10,        ! Resultant file name
MR0205  0        EDT$$TR_OFW  = 10,              ! Output file write
MR0206  0        EDT$$TR_SOFW_ISI   = 1,         ! ISI of file
MR0207  0        EDT$$TR_SOFW_REC   = 2,         ! Text of the record to be writt...
MR0208  0        EDT$$TR_SOFW_STS   = 3,         ! STS from $PUT
MR0209  0        EDT$$TR_SOFW_STV   = 4,         ! STV from $PUT
MR0210  0        EDT$$TR_OFC  = 11,              ! Output file close
MR0211  0        EDT$$TR_SOFC_IFI   = 1,         ! IFI of file
MR0212  0        EDT$$TR_SOFC_STS   = 2,         ! STS from $CLOSE
MR0213  0        EDT$$TR_SOFC_STV   = 3,         ! STV from $CLOSE
MR0214  0        EDT$$TR_FLU  = 12,              ! $FLUSH
MR0215  0        EDT$$TR_SFLU_ISI   = 1,         ! ISI for $FLUSH
MR0216  0        EDT$$TR_CLO  = 13,              ! $CLOSE
MR0217  0        EDT$$TR_SCLO_IFI   = 1,         ! IFI for $CLOSE
MR0218  0        EDT$$TR_IDLE  = 14,   ! Idle point
MR0219  0        EDT$$TR_SIDLE_KIN  = 1,         ! Idle waiting for keyboard input
MR0220  0        EDT$$TR_EXI  = 15,    ! EXIT
MR0221  0        EDT$$TR_SEXI  = 1               ! (No subtype really needed)
```

```
;  R0222  0     %;
;; R0223  0
;; R0224  0     !       End of file TRACELIT.REQ
```

```
;   0225  0
;   0226  0      !        End of file TRACEMAC.REQ




;                        COMMAND QUALIFIERS

;        BLISS/LIBRARY=EDTSRC:TRACEMAC/LIST=LIS$:/SOURCE=REQUIRE SRC$:TRACEMAC

; Run Time:        00:01.9
; Elapsed Time:    00:05.0
; Lines/CPU Min:    7062
; Lexemes/CPU-Min: 18500
; Memory Used:  17 pages
; Library Precompilation Complete
```

SCRUPDATM
LIS

STARTEDT
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

TILINE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATN
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSVAX
LIS

SCRWID
LIS

TRACELIT
LIS

UCVTCASE
LIS