```
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
EEEEEEEEEEE        DDD      DDD         TTT
EEEEEEEEEEE        DDD      DDD         TTT
EEEEEEEEEEE        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
```

```
CCCCCCCC  HH      HH  MM        MM  EEEEEEEEEE  MM        MM  EEEEEEEEEE  SSSSSSSS  SSSSSSSS
CCCCCCCC  HH      HH  MM        MM  EEEEEEEEEE  MM        MM  EEEEEEEEEE  SSSSSSSS  SSSSSSSS
CC        HH      HH  MMMM    MMMM  EE          MMMM    MMMM  EE          SS              SS
CC        HH      HH  MMMM    MMMM  EE          MMMM    MMMM  EE          SS              SS
CC        HH      HH  MM  MM  MM MM EE          MM  MM  MM MM EE          SS              SS
CC        HH      HH  MM  MM  MM MM EE          MM  MM  MM MM EE          SS              SS
CC        HHHHHHHHHH  MM      MM    EEEEEEE     MM      MM    EEEEEEE        SSSSSS    SSSSSS
CC        HHHHHHHHHH  MM      MM    EEEEEEE     MM      MM    EEEEEEE        SSSSSS    SSSSSS
CC        HH      HH  MM      MM    EE          MM      MM    EE                  SS        SS
CC        HH      HH  MM      MM    EE          MM      MM    EE                  SS        SS
CC        HH      HH  MM      MM    EE          MM      MM    EE                  SS        SS
CC        HH      HH  MM      MM    EE          MM      MM    EE                  SS        SS  ....
CCCCCCCC  HH      HH  MM      MM    EEEEEEEEEE  MM      MM    EEEEEEEEEE  SSSSSSSS  SSSSSSSS  ....
CCCCCCCC  HH      HH  MM      MM    EEEEEEEEEE  MM      MM    EEEEEEEEEE  SSSSSSSS  SSSSSSSS  ....


LL              IIIIII    SSSSSSSS
LL              IIIIII    SSSSSSSS
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  %TITLE 'EDT$CHMEMESS - Erase the message line'
    2   0002   0  MODULE EDT$CHMEMESS (                                    ! Erase the message line
    3   0003   0                      IDENT = 'V04-000'                    ! File: CHMEMESS.BLI Edit: JBS1010
    4   0004   0                      ) =
    5   0005   1  BEGIN
    6   0006   1
    7   0007   1  !***********************************************************************
    8   0008   1  !*                                                                     *
    9   0009   1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                           *
   10   0010   1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.            *
   11   0011   1  !*   ALL RIGHTS RESERVED.                                              *
   12   0012   1  !*                                                                     *
   13   0013   1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
   14   0014   1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE   *
   15   0015   1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
   16   0016   1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
   17   0017   1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
   18   0018   1  !*   TRANSFERRED.                                                      *
   19   0019   1  !*                                                                     *
   20   0020   1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   21   0021   1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   22   0022   1  !*   CORPORATION.                                                      *
   23   0023   1  !*                                                                     *
   24   0024   1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
   25   0025   1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.           *
   26   0026   1  !*                                                                     *
   27   0027   1  !*                                                                     *
   28   0028   1  !***********************************************************************
   29   0029   1  !
   30   0030   1
   31   0031   1  !++
   32   0032   1  ! FACILITY:      EDT -- The DEC Standard Editor
   33   0033   1  !
   34   0034   1  ! ABSTRACT:
   35   0035   1  !
   36   0036   1  !       This module erases the message line.
   37   0037   1  !
   38   0038   1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
   39   0039   1  !
   40   0040   1  ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
   41   0041   1  !
   42   0042   1  ! MODIFIED BY:
   43   0043   1  !
   44   0044   1  ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
   45   0045   1  !         extracting the routine EDT$$ERA_MSGLN  from module CHANGE.BLI.
   46   0046   1  ! 1-002 - Regularize headers.  JBS 27-Feb-1981
   47   0047   1  ! 1-003 - Fix module name.  JBS 02-Mar-1981
   48   0048   1  ! 1-004 - Erase both message lines.  SMB 21-Jun-1982
   49   0049   1  ! 1-005 - Reset EDT$$G_LASTMSG.  JBS 05-Jul-1982
   50   0050   1  ! 1-006 - Erase to end of screen instead of two lines separately.  SMB 31-Aug-1982
   51   0051   1  ! 1-007 - Move clearing of message flag.  SMB 06-Oct-1982
   52   0052   1  ! 1-008 - Restore the cursor after clearing the message line.  JBS 09-Oct-1982
   53   0053   1  ! 1-009 - Change the call to erase screen.  JBS 23-Oct-1982
   54   0054   1  ! 1-010 - Don't restore the cursor if it has no current location.  JBS 17-Jan-1983
   55   0055   1  !--
   56   0056   1
```

```
 58      0057  1 %SBTTL 'Declarations'
 59      0058  1 !
 60      0059  1 ! TABLE OF CONTENTS:
 61      0060  1 !
 62      0061  1
 63      0062  1 REQUIRE 'EDTSRC:TRAROUNAM';
 64      0501  1
 65      0502  1 FORWARD ROUTINE
 66      0503  1     EDT$$ERA_MSGLN : NOVALUE;                          ! Erase the message line
 67      0504  1
 68      0505  1 !
 69      0506  1 ! INCLUDE FILES:
 70      0507  1 !
 71      0508  1
 72      0509  1 REQUIRE 'EDTSRC:EDTREQ';
 73      0644  1
 74      0645  1 !
 75      0646  1 ! MACROS:
 76      0647  1 !
 77      0648  1 !       NONE
 78      0649  1 !
 79      0650  1 ! EQUATED SYMBOLS:
 80      0651  1 !
 81      0652  1 !       NONE
 82      0653  1 !
 83      0654  1 ! OWN STORAGE:
 84      0655  1 !
 85      0656  1 !       NONE
 86      0657  1 !
 87      0658  1 ! EXTERNAL REFERENCES:
 88      0659  1 !
 89      0660  1 !       In the routine
```

I 1

EDT$CHMEMESS   EDT$CHMEMESS - Erase the message line   15-Sep-1984 23:50:48   VAX-11 Bliss-32 V4.0-742   Page   3
V04-000   EDT$$ERA_MSGLN - erase the message line   14-Sep-1984 12:22:27   DISK$VMSMASTER:[EDT.SRC]CHMEMESS.BLI;1   (3)

```
  91     0661   1  %SBTTL 'EDT$$ERA_MSGLN  - erase the message line'
  92     0662   1
  93     0663   1  GLOBAL ROUTINE EDT$$ERA_MSGLN                              ! Erase the message line
  94     0664   1      : NOVALUE =
  95     0665   1
  96     0666   1  !++
  97     0667   1  ! FUNCTIONAL DESCRIPTION:
  98     0668   1  !
  99     0669   1  !       This routine erases the message line if there is currently a message
 100     0670   1  !       on it.
 101     0671   1  !
 102     0672   1  ! FORMAL PARAMETERS:
 103     0673   1  !
 104     0674   1  !       NONE
 105     0675   1  !
 106     0676   1  ! IMPLICIT INPUTS:
 107     0677   1  !
 108     0678   1  !       EDT$$G_MSGFLG
 109     0679   1  !       EDT$$G_TIN_ECHOFLG,
 110     0680   1  !       EDT$$G_TIN_ECHOPOS,
 111     0681   1  !       EDT$$G_MESSAGE_LINE,
 112     0682   1  !
 113     0683   1  ! IMPLICIT OUTPUTS:
 114     0684   1  !
 115     0685   1  !       EDT$$G_MSGFLG
 116     0686   1  !       EDT$$G_TIN_ECHOFLG,
 117     0687   1  !       EDT$$G_TIN_ECHOPOS,
 118     0688   1  !       EDT$$G_LASTMSG
 119     0689   1  !
 120     0690   1  ! ROUTINE VALUE:
 121     0691   1  !
 122     0692   1  !       NONE
 123     0693   1  !
 124     0694   1  ! SIDE EFFECTS:
 125     0695   1  !
 126     0696   1  !       May erase the message line
 127     0697   1  !
 128     0698   1  !--
 129     0699   1
 130     0700   2      BEGIN
 131     0701   2
 132     0702   2      EXTERNAL ROUTINE
 133     0703   2          EDT$$SC_POSCSIF,                              ! Put cursor position in format buffer
 134     0704   2          EDT$$SC_ERAALL;                              ! Erase to end of screen
 135     0705   2
 136     0706   2      EXTERNAL
 137     0707   2          EDT$$G_TIN_ECHOFLG,
 138     0708   2          EDT$$G_TIN_ECHOPOS,
 139     0709   2          EDT$$G_MESSAGE_LINE,                         ! The line number for messages
 140     0710   2          EDT$$G_MSGFLG,                               ! Indicates a message has been displayed
 141     0711   2          EDT$$G_LASTMSG,                              ! The last message displayed (1 = none)
 142     0712   2          EDT$$G_CUR_COL,                              ! Current column
 143     0713   2          EDT$$G_CS_LNO;                               ! Current line
 144     0714   2
 145     0715   2      LOCAL
 146     0716   2          OLD_CS_LNO;
 147     0717   2
```

```
;  148      0718  2  !+
;  149      0719  2  ! Check for message.
;  150      0720  2  !-
;  151      0721  2
;  152      0722  3      IF (.EDT$$G_MSGFLG NEQ 0) OR (.EDT$$G_TIN_ECHOFLG)
;  153      0723  2      THEN
;  154      0724  3          BEGIN
;  155      0725  3  !+
;  156      0726  3  ! Reset the message and echo flags.
;  157      0727  3  !-
;  158      0728  3          EDT$$G_MSGFLG = 0;
;  159      0729  3          EDT$$G_TIN_ECHOPOS = 0;
;  160      0730  3          EDT$$G_TIN_ECHOFLG = 0;
;  161      0731  3          EDT$$G_LASTMSG = 1;
;  162      0732  3  !+
;  163      0733  3  ! Erase the message lines.
;  164      0734  3  !-
;  165      0735  3          OLD_CS_LNO = .EDT$$G_CS_LNO;
;  166      0736  3          EDT$$G_CS_LNO = .EDT$$G_MESSAGE_LINE;
;  167      0737  3          EDT$$SC_ERAALL ();
;  168      0738  3          EDT$$G_CS_LNO = .OLD_CS_LNO;
;  169      0739  3  !+
;  170      0740  3  ! Restore the cursor.
;  171      0741  3  !-
;  172      0742  3
;  173      0743  3          IF (.EDT$$G_CS_LNO GEQ 0) THEN EDT$$SC_POSCSIF (.EDT$$G_CS_LNO, .EDT$$G_CUR_COL);
;  174      0744  3
;  175      0745  2          END;
;  176      0746  2
;  177      0747  1      END;                                          ! of routine EDT$$ERA_MSGLN


                                               .TITLE   EDT$CHMEMESS EDT$CHMEMESS - Erase the message l
;                                                           ine
                                               .IDENT   \V04-000\

                                               .EXTRN   EDT$$SC_POSCSIF
                                               .EXTRN   EDT$$SC_ERAALL, EDT$$G_TIN_ECHOFLG
                                               .EXTRN   EDT$$G_TIN_ECHOPOS
                                               .EXTRN   EDT$$G_MESSAGE_LINE
                                               .EXTRN   EDT$$G_MSGFLG, EDT$$G_LASTMSG
                                               .EXTRN   EDT$$G_CUR_COL, EDT$$G_CS_LNO

                                               .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                                 003C 00000    .ENTRY   EDT$$ERA_MSGLN, Save R2,R3,R4,R5       ; 0663
              55 00000000G  00  9E 00002       MOVAB    EDT$$G_MSGFLG, R5
              54 00000000G  00  9E 00009       MOVAB    EDT$$G_TIN_ECHOFLG, R4
              53 00000000G  00  9E 00010       MOVAB    EDT$$G_CS_LNO, R3
                          65  D5 00017         TSTL     EDT$$G_MSGFLG                          ; 0722
                          03  12 00019         BNEQ     1$
                     39   64  E9 0001B         BLBC     EDT$$G_TIN_ECHOFLG, 2$
                          65  D4 0001E  1$:    CLRL     EDT$$G_MSGFLG                          ; 0728
             00000000G  00  D4 00020           CLRL     EDT$$G_TIN_ECHOPOS                     ; 0729
                          64  D4 00026         CLRL     EDT$$G_TIN_ECHOFLG                     ; 0730
   00000000G  00       01  D0 00028            MOVL     #1, EDT$$G_LASTMSG                     ; 0731
             52       63  D0 0002F             MOVL     EDT$$G_CS_LNO, OLD_CS_LNO             ; 0735
```

```
                             63 00000000G  00  D0 00032         MOVL    EDT$$G_MESSAGE_LINE, EDT$$G_CS_LNO        ; 0736
                   00000000G  00              00  FB 00039         CALLS   #0, EDT$$SC_ERAALL                        ; 0737
                             63              52  D0 00040         MOVL    OLD_CS_LNO, EDT$$G_CS_LNO                 ; 0738
                             50              63  D0 00043         MOVL    EDT$$G_CS_LNO, R0                         ; 0743
                                            0F  19 00046         BLSS    2$
                   00000000G  00              DD 00048         PUSHL   EDT$$G_CUR_COL
                                            50  DD 0004E         PUSHL   R0
                   00000000G  00              02  FB 00050         CALLS   #2, EDT$$SC_POSCSIF
                                            04 00057 2$:         RET                                              ; 0747
```

; Routine Size: 88 bytes,   Routine Base: _EDT$CODE + 0000

```
;  178          0748 1
;  179          0749 1 !<BLF/PAGE>
```

```
;  181          0750 1 END                                              ! of module EDT$CHMEMESS
;  182          0751 1
;  183          0752 0 ELUDOM
```

```
;
;
;                        PSECT SUMMARY
;
;
;         Name                    Bytes                          Attributes
;
;      _EDT$CODE                       88  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
```

```
;
;                        Library Statistics
;
;                                         --------- Symbols ---------    Pages     Processing
;         File                            Total   Loaded    Percent     Mapped    Time
;
;      _$255$DUA28:[EDT.SRC]EDT.L32;1        377       0          0        40     00:00.2
;      _$255$DUA28:[EDT.SRC]PSECTS.L32;1       2       1         50         7     00:00.1
```

```
;
;                        COMMAND QUALIFIERS
;
;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMEMESS/OBJ=OBJ$:CHMEMESS MSRC$:CHMEMESS.BLI/UPDATE=(ENH$:CHME
;        MESS)
;
; Size:          88 code + 0 data bytes
; Run Time:         00:11.1
; Elapsed Time:     00:30.6
; Lines/CPU Min:     4072
; Lexemes/CPU-Min: 10586
; Memory Used:  63 pages
; Compilation Complete
```

CHMFINENT
LIS

CHMINIT
LIS

CHMGCOUNT   CHMGINSTR   CHMGSUSTR
LIS   LIS   LIS

CHMINSMOD
LIS

CHMEMESS
LIS

CHMINSTAB
LIS

CHMENTTRM
LIS

CHMGBUF
LIS

CHMINSCHR
LIS

CHMINDATE
LIS

CHMEXVERB
LIS

CHMFINSTR   CHMGDIR   CHMGQUSTR   CHMHLPKPD
LIS   LIS   LIS   LIS

CHMINSSTR
LIS

CHMKEYWRD
LIS

CHMENDWRD
LIS

CHMEXCOM
LIS