```
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
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EEEEEEEEEEEEEEEE   DDDDDDDDDD            TTT
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```

EXE

Mod

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SYS
LB
LI

CHMINIT

LIS

```
   1    0001   O %TITLE 'EDT$CHMINIT - change mode initialize'
   2    0002   O MODULE EDT$CHMINIT (                              ! Change mode initialize
   3    0003   O                  IDENT = 'V04-000'                    ! File: CHMINIT.BLI Edit: JBS1003
   4    0004   O                  ) =
   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.     *
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  23    0023   1 !*                                                              *
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  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 performs initialization when change mode
  37    0037   1 !      is entered.
  38    0038   1 !
  39    0039   1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
  40    0040   1 !
  41    0041   1 ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
  42    0042   1 !
  43    0043   1 ! MODIFIED BY:
  44    0044   1 !
  45    0045   1 ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
  46    0046   1 !         extracting the routine EDT$$INIT_CHM  from module CHANGE.BLI.
  47    0047   1 ! 1-002 - Regularize headers.  JBS 02-Mar-1981
  48    0048   1 ! 1-003 - Revise typeahead logic.  JBS 02-Sep-1982
  49    0049   1 !--
  50    0050   1
```

```
52   0051  1  %SBTTL 'Declarations'
53   0052  1  !
54   0053  1  ! TABLE OF CONTENTS:
55   0054  1  !
56   0055  1
57   0056  1  REQUIRE 'EDTSRC:TRAROUNAM';
58   0495  1
59   0496  1  FORWARD ROUTINE
60   0497  1      EDT$$INIT_CHM : NOVALUE;              ! Initialization on entering change mode
61   0498  1
62   0499  1  !
63   0500  1  ! INCLUDE FILES:
64   0501  1  !
65   0502  1
66   0503  1  REQUIRE 'EDTSRC:EDTREQ';
67   0638  1
68   0639  1  !
69   0640  1  ! MACROS:
70   0641  1  !
71   0642  1  !     NONE
72   0643  1  !
73   0644  1  ! EQUATED SYMBOLS:
74   0645  1  !
75   0646  1  !     NONE
76   0647  1  !
77   0648  1  ! OWN STORAGE:
78   0649  1  !
79   0650  1  !     NONE
80   0651  1  !
81   0652  1  ! EXTERNAL REFERENCES:
82   0653  1  !
83   0654  1  !     In the routine
```

```
  85    0655  1  %SBTTL 'EDT$$INIT_CHM  - change mode initialize'
  86    0656  1
  87    0657  1  GLOBAL ROUTINE EDT$$INIT_CHM                              ! Change mode initialize
  88    0658  1      : NOVALUE =
  89    0659  1
  90    0660  1  !++
  91    0661  1  ! FUNCTIONAL DESCRIPTION:
  92    0662  1  !
  93    0663  1  !       This is the initialization routine called when change mode is entered.
  94    0664  1  !
  95    0665  1  !       The following are done:
  96    0666  1  !
  97    0667  1  !       The current line is fetched into the line buffer and the cursor pointer
  98    0668  1  !       is initialized.
  99    0669  1  !
 100    0670  1  !       The exit flag is cleared.
 101    0671  1  !
 102    0672  1  !       The vertical flag is cleared.
 103    0673  1  !
 104    0674  1  !       The type ahead counter is cleared.
 105    0675  1  !
 106    0676  1  ! FORMAL PARAMETERS:
 107    0677  1  !
 108    0678  1  !       NONE
 109    0679  1  !
 110    0680  1  ! IMPLICIT INPUTS:
 111    0681  1  !
 112    0682  1  !       EDT$$A_CUR_BUF
 113    0683  1  !       EDT$$T_LN_BUF
 114    0684  1  !
 115    0685  1  ! IMPLICIT OUTPUTS:
 116    0686  1  !
 117    0687  1  !       EDT$$G_EXI
 118    0688  1  !       EDT$$G_VERT
 119    0689  1  !       EDT$$G_RDAHED
 120    0690  1  !       EDT$$A_LN_PTR
 121    0691  1  !
 122    0692  1  ! ROUTINE VALUE:
 123    0693  1  !
 124    0694  1  !       NONE
 125    0695  1  !
 126    0696  1  ! SIDE EFFECTS:
 127    0697  1  !
 128    0698  1  !       NONE
 129    0699  1  !
 130    0700  1  !--
 131    0701  1
 132    0702  2      BEGIN
 133    0703  2
 134    0704  2      EXTERNAL ROUTINE
 135    0705  2          EDT$$GET_TXTLN;                              ! Get current line in line buffer
 136    0706  2
 137    0707  2      EXTERNAL
 138    0708  2          EDT$$G_EXI,                                  ! Change mode has been exited.
 139    0709  2          EDT$$G_VERT,                                 ! Last entity was VERT flag.
 140    0710  2          EDT$$A_CUR_BUF : REF TBCB_BLOCK,             ! The current buffer tbcb
 141    0711  2          EDT$$G_RDAHED,                               ! Read ahead counter
```

F 14

```
;  142      0712  2           EDT$$T_LN_BUF,                                    ! Current line buffer
;  143      0713  2           EDT$$A_LN_PTR;                                    ! Current character pointer
;  144      0714  2
;  145      0715  2           EDT$$GET_TXTLN ();
;  146      0716  2           EDT$$A_LN_PTR = CH$PTR (EDT$$T_LN_BUF, .EDT$$A_CUR_BUF [TBCB_CHAR_POS]);
;  147      0717  2           EDT$$G_EXI = 0;
;  148      0718  2           EDT$$G_VERT = 0;
;  149      0719  2           EDT$$G_RDAHED = 0;
;  150      0720  1           END;                                             ! of routine EDT$$INIT_CHM
```

;

```
                                                                    .TITLE   EDT$CHMINIT EDT$CHMINIT – change mode initializ
                                                                              e
                                                                    .IDENT   \V04-000\

                                                                    .EXTRN   EDT$$GET_TXTLN, EDT$$G_EXI
                                                                    .EXTRN   EDT$$G_VERT, EDT$$A_CUR_BUF
                                                                    .EXTRN   EDT$$G_RDAHED, EDT$$T_LN_BUF
                                                                    .EXTRN   EDT$$A_LN_PTR

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

                                                      0004 00000    .ENTRY   EDT$$INIT_CHM, Save R2            ; 0657
               00000000G  00                 00 FB 00002    CALLS    #0, EDT$$GET_TXTLN               ; 0715
                          51 00000000G  00 D0 00009    MOVL     EDT$$A_CUR_BUF, R1              ; 0716
                          50 00000000G  00 9E 00010    MOVAB    EDT$$T_LN_BUF, R0
                                52       0C A1 3C 00017    MOVZWL   12(R1), R2
               00000000G  00          50       52 C1 0001B    ADDL3    R2, R0, EDT$$A_LN_PTR
                                      00000000G  00 D4 00023    CLRL     EDT$$G_EXI                     ; 0717
                                      00000000G  00 D4 00029    CLRL     EDT$$G_VERT                    ; 0718
                                      00000000G  00 D4 0002F    CLRL     EDT$$G_RDAHED                  ; 0719
                                                      04 00035    RET                                      ; 0720
```

; Routine Size: 54 bytes,   Routine Base: _EDT$CODE + 0000

```
;  151      0721  1
;  152      0722  1 !<BLF/PAGE>
```

EDT$CHMINIT   EDT$CHMINIT - change mode initialize   G 14   VAX-11 Bliss-32 V4.0-742   Page 5
V04-000   EDT$$INIT_CHM - change mode initialize   16-Sep-1984 00:01:00   DISK$VMSMASTER:[EDT.SRC]CHMINIT.BLI;1   (4)
                                                                 14-Sep-1984 12:22:35

```
; 154        0723 1 END                                          ! of module EDT$CHMINIT
; 155        0724 1
; 156        0725 0 ELUDOM
```

```
;                              PSECT SUMMARY

;        Name                        Bytes                       Attributes

; _EDT$CODE                            54    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      24         6        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$:CHMINIT/OBJ=OBJ$:CHMINIT MSRC$:CHMINIT.BLI/UPDATE=(ENH$:CHMINIT
;     )

; Size:           54 code + 0 data bytes
; Run Time:         00:09.5
; Elapsed Time:     00:11.4
; Lines/CPU Min:      4569
; Lexemes/CPU-Min: 12226
; Memory Used:    58 pages
; Compilation Complete
```

CHMFINENT
LIS

CHMINIT
LIS

CHMGCOUNT CHMGINSTR CHMGSUSTR
LIS LIS LIS

CHMINSMOD
LIS

CHMINSTAB
LIS

CHMEMESS
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