```
EEEEEEEEEEEEEEE    DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEE                DDD      DDD           TTT
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
EEE                DDD      DDD           TTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
```

```
CCCCCCC  HH      HH  MM        MM  IIIIII   NN      NN   IIIIII   TTTTTTTTTT
CCCCCCC  HH      HH  MM        MM  IIIIII   NN      NN   IIIIII   TTTTTTTTTT
CC       HH      HH  MMMM  MMMM        II   NN      NN       II       TT
CC       HH      HH  MMMM  MMMM        II   NN      NN       II       TT
CC       HH      HH  MM  MM  MM        II   NNNN    NN       II       TT
CC       HH      HH  MM  MM  MM        II   NNNN    NN       II       TT
CC       HHHHHHHHHH  MM      MM        II   NN  NN  NN       II       TT
CC       HHHHHHHHHH  MM      MM        II   NN  NN  NN       II       TT
CC       HH      HH  MM      MM        II   NN    NNNN       II       TT
CC       HH      HH  MM      MM        II   NN    NNNN       II       TT
CC       HH      HH  MM      MM        II   NN      NN       II       TT
CC       HH      HH  MM      MM        II   NN      NN       II       TT
CCCCCCC  HH      HH  MM      MM  IIIIII   NN      NN   IIIIII       TT
CCCCCCC  HH      HH  MM      MM  IIIIII   NN      NN   IIIIII       TT
```

```
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
```

EDT$CHMINIT - change mode initialize

C 14
16-Sep-1984 00:01:00   VAX-11 Bliss-32 V4.0-742   Page   1
14-Sep-1984 12:22:35   DISK$VMSMASTER:[EDT.SRC]CHMINIT.BLI;1   (1)

```
    1    0001   0  %TITLE 'EDT$CHMINIT - change mode initialize'
    2    0002   C  MODULE EDT$CHMINIT (                         ' Change mode initialize
    3    0003   0                   IDENT = 'V04-000'              ! File: CHMINIT.BLI Edit: JBS1003
    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  !*                                                                 *
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   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 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
```

E 14

EDT$CHMINIT   EDT$CHMINIT – change mode initialize   16-Sep-1984 00:01:00   VAX-11 Bliss-32 V4.0-742   Page 3   ED
V04-000   EDT$$INIT_CHM – change mode initialize   14-Sep-1984 12:22:35   DISK$VMSMASTER:[EDT.SRC]CHMINIT.BLI;1   (3)   V0

```
  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
```

```
 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>
```

```
;  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

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[EDT.SRC]EDT.L32;1	377	24	6	40	00:00.2
_255DUA28:[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
LIS

CHMGINSTR
LIS

CHMGSUSTR
LIS

CHMINSMOD
LIS

CHMEMESS
LIS

CHMINSTAB
LIS

CHMENTTRM
LIS

CHMGBUF
LIS

CHMINSCHR
LIS

CHMINDATE
LIS

CHMEXVERB
LIS

CHMFINSTR
LIS

CHMGDIR
LIS

CHMGQUSTR
LIS

CHMHLPKPD
LIS

CHMINSSTR
LIS

CHMKEYWRD
LIS

CHMENDWRD
LIS

CHMEXCOM
LIS