


```

CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LL   CCCCCC HH   HH   RRRRRRR
CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LL   CCCCCC HH   HH   RRRRRRR
CC        HH   HH   MMMM MMMM DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MMMM MMMM DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HHHHHHHHHH MM   MM   DD        DD   EEEEEEEEE LL   CC        HHHHHHHHHH RRRRRRR
CC        HHHHHHHHHH MM   MM   DD        DD   EEEEEEEEE LL   CC        HHHHHHHHHH RRRRRRR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CC        HH   HH   MM   MM   DD        DD   EE         LL   CC        HH   HH   RR   RR
CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LLLLLLLLLL CCCCCC HH   HH   RR   RR
CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LLLLLLLLLL CCCCCC HH   HH   RR   RR

```

```

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

```

```

1 0001 0 %TITLE 'EDT$CHMDELCHR - delete characters'
2 0002 0 MODULE EDT$CHMDELCHR ( ! Delete characters
3 0003 0 IDENT = 'V04-000' ! File: CHMDELCHR.BLI Edit: JBS1006
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 *
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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 deletes text on the current line (change mode).
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 DELETE_CHARS from module CHANGE.BLI.
46 0046 1 1-002 - Regularize headers. JBS 27-Feb-1981
47 0047 1 1-003 - Fix module name. JBS 03-Mar-1981
48 0048 1 1-004 - Improve some comments. JBS 02-Jun-1981
49 0049 1 1-005 - New screen update logic. JBS 13-Sep-1982
50 0050 1 1-006 - Change the call to EDT$MRK_LCNHG. JBS 27-Dec-1982
51 0051 1 --
52 0052 1

```

```
.. 54 0053 1 %SBTTL 'Declarations'  
.. 55 0054 1 :  
.. 56 0055 1 : TABLE OF CONTENTS:  
.. 57 0056 1 :  
.. 58 0057 1 :  
.. 59 0058 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
.. 60 0497 1 :  
.. 61 0498 1 FORWARD ROUTINE  
.. 62 0499 1 EDT$$DEL_CHS : NOVALUE;  
.. 63 0500 1 :  
.. 64 0501 1 :  
.. 65 0502 1 : INCLUDE FILES:  
.. 66 0503 1 :  
.. 67 0504 1 :  
.. 68 0505 1 REQUIRE 'EDT$SRC:EDTREQ';  
.. 69 0640 1 :  
.. 70 0641 1 :  
.. 71 0642 1 : MACROS:  
.. 72 0643 1 :  
.. 73 0644 1 : NONE  
.. 74 0645 1 :  
.. 75 0646 1 : EQUATED SYMBOLS:  
.. 76 0647 1 :  
.. 77 0648 1 : NONE  
.. 78 0649 1 :  
.. 79 0650 1 : OWN STORAGE:  
.. 80 0651 1 :  
.. 81 0652 1 : NONE  
.. 82 0653 1 :  
.. 83 0654 1 : EXTERNAL REFERENCES:  
.. 84 0655 1 :  
.. 85 0656 1 : In the routine
```

! Delete part of the current line

```

: 87      0657 1 %SBTTL 'EDT$$DEL_CHS - delete characters'
: 88      0658 1
: 89      0659 1 GLOBAL ROUTINE EDT$$DEL_CHS (           ! Delete characters
: 90      0660 1     FC,                               ! Position of first character to delete
: 91      0661 1     LC                               ! Position of last character to delete
: 92      0662 1     ) : NOVALUE =
: 93      0663 1
: 94      0664 1 !++
: 95      0665 1 ! FUNCTIONAL DESCRIPTION:
: 96      0666 1
: 97      0667 1     This routine deletes text on the current line between the
: 98      0668 1     two pointers FC and LC.
: 99      0669 1
: 100     0670 1 ! FORMAL PARAMETERS:
: 101     0671 1
: 102     0672 1     FC                               Position of the first character to delete
: 103     0673 1
: 104     0674 1     LC                               Position of the last character to delete
: 105     0675 1
: 106     0676 1 ! IMPLICIT INPUTS:
: 107     0677 1
: 108     0678 1     EDT$$SEL_POS
: 109     0679 1     EDT$$LN_END
: 110     0680 1
: 111     0681 1 ! IMPLICIT OUTPUTS:
: 112     0682 1
: 113     0683 1     EDT$$SEL_POS
: 114     0684 1     EDT$$LN_PTR
: 115     0685 1
: 116     0686 1 ! ROUTINE VALUE:
: 117     0687 1
: 118     0688 1     NONE
: 119     0689 1
: 120     0690 1 ! SIDE EFFECTS:
: 121     0691 1
: 122     0692 1     NONE
: 123     0693 1
: 124     0694 1 !--
: 125     0695 1
: 126     0696 2     BEGIN
: 127     0697 2
: 128     0698 2     EXTERNAL ROUTINE
: 129     0699 2     EDT$$MRK_LNCHG : NOVALUE,           ! Track line updates
: 130     0700 2     EDT$$SUPD_LNLEN : NOVALUE,         ! Update the length of the current line
: 131     0701 2     EDT$$SAV_LN : NOVALUE,             ! Save a line in the auxiliary buffer
: 132     0702 2     EDT$$SEL_RNGPOS;                  ! Compare the select line with the current line
: 133     0703 2
: 134     0704 2     EXTERNAL
: 135     0705 2     EDT$$SEL_POS,                       ! select position.
: 136     0706 2     EDT$$LN_END,                       ! End of current line pointer
: 137     0707 2     EDT$$LN_PTR,                       ! Current character pointer
: 138     0708 2     EDT$$LN_BUF;                       ! Line buffer
: 139     0709 2
: 140     0710 2     LOCAL
: 141     0711 2     LEN;
: 142     0712 2
: 143     0713 2 !+
```

```

: 144 0714 2 ! Compute length of the delete, and quit if zero.
: 145 0715 2 !-
: 146 0716 2     LEN = CHSDIFF (.LC, .FC);
: 147 0717 2     EDT$$SAV_LN (.FC, .LEN);
: 148 0718 2
: 149 0719 2     IF (.LEN EQL 0) THEN RETURN;
: 150 0720 2
: 151 0721 2 !+
: 152 0722 2 ! Watch out for select range, adjust as necessary.
: 153 0723 2 !-
: 154 0724 2
: 155 0725 2     IF (EDT$$SEL_RNGPOS () EQL 0)
: 156 0726 2     THEN
: 157 0727 2 !+
: 158 0728 2 ! This is the selected line
: 159 0729 2 !-
: 160 0730 2
: 161 0731 2     IF CH$PTR_GTR (.EDT$$A_SEL_POS, .FC)
: 162 0732 2     THEN
: 163 0733 2
: 164 0734 2         IF CH$PTR_GTR (.EDT$$A_SEL_POS, .LC)
: 165 0735 2         THEN
: 166 0736 2             EDT$$A_SEL_POS = CH$PLUS (.EDT$$A_SEL_POS, -.LEN)
: 167 0737 2         ELSE
: 168 0738 2             EDT$$A_SEL_POS = .FC;
: 169 0739 2
: 170 0740 2 !+
: 171 0741 2 ! Now, adjust the line.
: 172 0742 2 !-
: 173 0743 2     EDT$$CPY_MEM (CHSDIFF (.EDT$$A_LN_END, .LC), .LC, .FC);
: 174 0744 2     EDT$$SUPD_LNLEN (-.LEN);
: 175 0745 2     EDT$$MRK_LNCHG (SCR_EDIT_MODIFY, .FC - EDT$$T_LN_BUF);
: 176 0746 2     EDT$$A_LN_PTR = .FC;
: 177 0747 1     END;

```

! of routine EDT\$\$DEL_CHS

.TITLE EDT\$CHMDELCHR EDT\$CHMDELCHR - delete characters
.IDENT \V04-000\

.EXTRN EDT\$\$MRK_LNCHG, EDT\$\$SUPD_LNLEN
.EXTRN EDT\$\$SAV_LN, EDT\$\$SEL_RNGPOS
.EXTRN EDT\$\$A_SEL_POS, EDT\$\$A_LN_END
.EXTRN EDT\$\$A_LN_PTR, EDT\$\$T_CN_BUF

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

.ENTRY EDT\$\$DEL_CHS, Save R2,R3,R4,R5,R6,R7,R8 : 0659
MOVAB EDT\$\$A_SEL_POS, R8 :
MOVL FC, R7 : 0716
SUBL3 R7, LC, LEN :
PUSHL LEN : 0717
PUSHL R7 :
CALLS #2, EDT\$\$SAV_LN :
TSTL LEN : 0719
BEQL 3\$:
CALLS #0, EDT\$\$SEL_RNGPOS : 0725
TSTL R0 :

```

          01FC 00000
          58 00000000G 00 9E 00002
          57          04 AC D0 00009
56      08 AC 57 C3 0000D
          56 DD 00012
          57 DD 00014
          00000000G 00 02 FB 00016
          56 D5 0001D
          00000000G 00 54 13 0001F
          00 FB 00021
          50 D5 00028

```

EDT\$CHMDELCHR
V04-00G

EDT\$CHMDELCHR - delete characters
EDT\$\$DEL_CHS - delete characters

E 15
15-Sep-1984 23:49:02
14-Sep-1984 12:22:25

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMDELCHR.BLI;1

Page 5
(3)

			16	12	0002A		BNEQ	2\$			
			68	D0	0002C		MOVL	EDT\$\$A_SEL_POS, R0		:	0731
			57	D1	0002F		CMPL	R0, R7		:	
			0E	1B	00032		BLEQU	2\$:	
	08	AC	50	D1	00034		CMPL	R0, LC		:	0734
			05	1B	00038		BLEQU	1\$:	
			68	C2	0003A		SUBL2	LEN, EDT\$\$A_SEL_POS		:	0736
			03	11	0003D		BRB	2\$:	
			68	D0	0003F	1\$:	MOVL	R7, EDT\$\$A_SEL_POS		:	0738
50	00000000G	00	08	AC	C3	2\$:	SUBL3	LC, EDT\$\$A_LN_END, R0		:	0743
67	08	BC	50	28	0004B		MOVC3	R0, @LC, (R7)		:	
			7E	CE	00050		MNEGL	LEN, -(SP)		:	0744
	00000000G	00	01	FB	00053		CALLS	#1, EDT\$\$UPD_LNLEN		:	
			50	9E	0005A		MOVAB	EDT\$\$T_LN_BUF, R0		:	0745
7E		57	50	C3	00061		SUBL3	R0, R7, -TSP)		:	
			01	DD	00065		PUSHL	#1		:	
	00000000G	00	02	FB	00067		CALLS	#2, EDT\$\$MRK_LNCHG		:	
	00000000G	00	57	D0	0006E		MOVL	R7, EDT\$\$A_LN_PTR		:	0746
			04	00075	3\$:		RET			:	0747

; Routine Size: 118 bytes, Routine Base: _EDT\$CODE + 0000

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

EDT\$CHMDELCHR
V04-000

EDT\$CHMDELCHR - delete characters
EDT\$\$DEL_CHS - delete characters

F 15
15-Sep-1984 23:49:02
14-Sep-1984 12:22:25

VAX-11 BlISS-32 V4.0-742
[EDT.SRC]CHMDELCHR.BLI;1

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(4)

: 181 0750 1 END
: 182 0751 1
: 183 0752 0 ELUDOM

! of module EDT\$CHMDELCHR

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 118 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	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\$:CHMDELCHR/OBJ=OBJ\$:CHMDELCHR MSRC\$:CHMDELCHR.BLI/UPDATE=(ENH\$:C
HMDELCHR)

: Size: 118 code + 0 data bytes
: Run Time: 00:11.3
: Elapsed Time: 00:14.8
: Lines/CPU Min: 4000
: Lexemes/CPU-Min: 11388
: Memory Used: 73 pages
: Compilation Complete

