



```

CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LL   CCCCCCCC HH   HH   RRRRRRRR
CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LL   CCCCCCCC HH   HH   RRRRRRRR
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 RRRRRRRR
CC        HHHHHHHHHH MM   MM   DD        DD   EEEEEEEEE LL   CC        HHHHHHHHHH RRRRRRRR
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 CCCCCCCC HH   HH   RR   RR
CCCCCCCC HH   HH   MM   MM   DDDDDDDD EEEEEEEEE LLLLLLLLLL CCCCCCCC 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$$DEL_CHM - delete characters'
88 0658 1
89 0659 1 GLOBAL ROUTINE EDT$$DEL_CHM (           ! 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\_LN\_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 00000
56 DD 00012
57 DD 00014
00000000G 00 02 FB 00016
56 D5 0001D
00000000G 00 54 13 0001F
00000000G 00 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\$                     |  |      |
|    |           |    | 50 | 68 | D0 0002C    |      | MOVL  | EDT\$\$A_SEL_POS, R0    |  | 0731 |
|    |           |    | 57 | 50 | 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 | 56 C2 0003A |      | SUBL2 | LEN, EDT\$\$A_SEL_POS   |  | 0736 |
|    |           |    |    | 03 | 11 0003D    |      | BRB   | 2\$                     |  |      |
|    |           |    |    | 68 | 57 D0 0003F | 1\$: | MOVL  | R7, EDT\$\$A_SEL_POS    |  | 0738 |
|    |           |    |    | 00 | AC C3 00042 | 2\$: | SUBL3 | LC, EDT\$\$A_LN_END, R0 |  | 0743 |
| 50 | 00000000G |    |    | 08 | 50 28 0004B |      | MOVC3 | R0, @LC, (R7)           |  |      |
| 67 | 08        | BC |    | 56 | CE 00050    |      | MNEGL | LEN, -(SP)              |  | 0744 |
|    | 00000000G |    |    | 01 | FB 00053    |      | CALLS | #1, EDT\$\$UPD_LNLEN    |  |      |
|    |           |    |    | 50 | 9E 0005A    |      | MOVAB | EDT\$\$T_LN_BUF, R0     |  | 0745 |
|    |           |    |    | 7E | 50 C3 00061 |      | SUBL3 | R0, R7, -7SP)           |  |      |
|    |           |    |    |    | 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\_CHM - delete characters

F 15  
15-Sep-1984 23:49:02 VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 12:22:25 [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 MSRCS\$:CHMDELCHR.BLI/UPDATE=(ENHS: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



|              |              |               |                |               |               |               |                |
|--------------|--------------|---------------|----------------|---------------|---------------|---------------|----------------|
| ERRMSG REQ   | TRACEOFF REQ | TRAROUNAM REQ | BADKEY LIS     | CALLWTO LIS   | CHMBEGSEN LIS | CHMBELL LIS   | CHMCMBL IN LIS |
| SUPPORTS REQ | TRACEON REQ  | TRANSLATE REQ | TRANNNAMES REQ | CHMBEGWLD LIS | CHMCHANGE LIS | CHMCHG LIS    | CHMDLL IN LIS  |
| SYSSYM REQ   | TRACELIT REQ | EDTREQ REQ    | KEYPADDEF REQ  | CALLFIO LIS   | CHMBEEP LIS   | CHMCHANGE LIS | CHMCLRCC LIS   |
| TRACEMAC REQ | PSECTS REQ   | VERSION REQ   | CHMCHKCC LIS   | CHMDELCHR LIS | CHMINPUT LIS  |               |                |