


```

CCCCCCCC HH   HH MM   MM   SSSSSSSS   AAAAAA   VV   VV   TTTTTTTTTT   XX   XX   TTTTTTTTTT
CCCCCCCC HH   HH MM   MM   SSSSSSSS   AAAAAA   VV   VV   TTTTTTTTTT   XX   XX   TTTTTTTTTT
CC        HH   HH MMMM MMMM SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MMMM MMMM SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HHHHHHHHHH MM   MM   SSSSSS   AA   AA   VV   VV   TT         XX   XX   TT
CC        HHHHHHHHHH MM   MM   SSSSSS   AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AAAAAAAAAA VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AAAAAAAAAA VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SS        AA   AA   VV   VV   TT         XX   XX   TT
CC        HH   HH MM   MM   SSSSSSSS   AA   AA   VV   VV   TT         XX   XX   TT
CCCCCCCC HH   HH MM   MM   SSSSSSSS   AA   AA   VV   VV   TT         XX   XX   TT
CCCCCCCC HH   HH MM   MM   SSSSSSSS   AA   AA   VV   VV   TT         XX   XX   TT

```

....
....
....
....

```

LL        IIIIII   SSSSSSSS
LL        IIIIII   SSSSSSSS
LL        II       SS
LL        II       SS
LL        II       SS
LL        II       SS
LL        IIIIII   SSSSSS
LL        IIIIII   SSSSSS
LL        II       SS
LL        II       SS
LL        II       SS
LL        IIIIII   SSSSSSSS
LLLLLLLLLLLL IIIIII   SSSSSSSS
LLLLLLLLLLLL IIIIII   SSSSSSSS

```

```

1 0001 0 %TITLE 'EDT$CHMSAVTXT - save deleted text'
2 0002 0 MODULE EDT$CHMSAVTXT ( ! Save deleted text
3 0003 0 IDENT = 'V04-000' ! File: CHMSAVTXT.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 *
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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 saves text deleted by a delete line or word
37 0037 1 command in the associated undelete buffer.
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$$$AV_DELTXT from module CHANGE.BLI.
47 0047 1 1-002 - Regularize headers. JBS 03-Mar-1981
48 0048 1 1-003 - Improve the appearance of the listing. JBS 13-Jun-1983
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 'EDT$SRC:TRAROUNAM';  
: 58 0495 1 :  
: 59 0496 1 FORWARD ROUTINE  
: 60 0497 1 EDT$$$SAV_DELTXT : NOVALUE; ! Save a deleted word or line in an undelete buffer  
: 61 0498 1 :  
: 62 0499 1 :  
: 63 0500 1 : INCLUDE FILES:  
: 64 0501 1 :  
: 65 0502 1 :  
: 66 0503 1 REQUIRE 'EDT$SRC: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$$$SAV_DELTXX - save deleted text'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDT$$$SAV_DELTXX (
88 0658 1     NC,
89 0659 1     DEL_BUF,
90 0660 1     BUF_LEN
91 0661 1     ) : NOVALUE =
92 0662 1
93 0663 1  !+
94 0664 1  ! FUNCTIONAL DESCRIPTION:
95 0665 1
96 0666 1      Save the text deleted by a delete line or word command in the
97 0667 1      associated undelete buffer.
98 0668 1
99 0669 1  FORMAL PARAMETERS:
100 0670 1
101 0671 1     NC           the number of characters to save
102 0672 1
103 0673 1     DEL_BUF      the address of the delete buffer
104 0674 1
105 0675 1     DEL_LEN      the address in which to save the length
106 0676 1
107 0677 1  IMPLICIT INPUTS:
108 0678 1
109 0679 1     EDT$$G_DIR
110 0680 1     EDT$$A_LN_PTR
111 0681 1
112 0682 1  IMPLICIT OUTPUTS:
113 0683 1
114 0684 1     NONE
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$$CS_LEFT,
130 0700 2     EDT$$CS_RIGHT;
131 0701 2
132 0702 2  EXTERNAL
133 0703 2     EDT$$G_DIR,
134 0704 2     EDT$$A_LN_PTR;
135 0705 2
136 0706 2  LOCAL
137 0707 2     BUF_POINT;
138 0708 2
139 0709 2  !+
140 0710 2  ! Put the direction in the first char of the buffer.
141 0711 2  !-

```

```

: 142 0712 2      BUF_POINT = CH$PTR (.DEL_BUF);
: 143 0713 2      CH$WCHAR_A (.EDT$$G_DIR, BUF_POINT);
: 144 0714 2      +
: 145 0715 2      - If it is a forward delete, then go back to the beginning.
: 146 0716 2
: 147 0717 2
: 148 0718 2      IF (.EDT$$G_DIR NEQ DIR_BACKWARD)
: 149 0719 2      THEN
: 150 0720 2
: 151 0721 2      DECR I FROM .NC - 1 TO 0 DO
: 152 0722 2      EDT$$CS_LEFT ();
: 153 0723 2
: 154 0724 2      +
: 155 0725 2      - Save the text, ending up at the end.
: 156 0726 2
: 157 0727 2
: 158 0728 2      INCR I FROM 1 TO .NC DO
: 159 0729 2      BEGIN
: 160 0730 2
: 161 0731 2      IF (.I LEQ .BUF_LEN) THEN CH$WCHAR_A (CH$RCHAR (.EDT$$A_LN_PTR), BUF_POINT);
: 162 0732 2
: 163 0733 2      EDT$$CS_RIGHT ();
: 164 0734 2      END;
: 165 0735 2
: 166 0736 2      +
: 167 0737 2      - If it is a backward delete, move back to the beginning.
: 168 0738 2
: 169 0739 2
: 170 0740 2      IF (.EDT$$G_DIR EQL DIR_BACKWARD)
: 171 0741 2      THEN
: 172 0742 2
: 173 0743 2      DECR I FROM .NC - 1 TO 0 DO
: 174 0744 2      EDT$$CS_LEFT ();
: 175 0745 2
: 176 0746 1      END;

```

! of routine EDT\$\$\$SAV_DELTXT

				.TITLE	EDT\$CHMSAVTXT EDT\$CHMSAVTXT - save deleted text	
				.IDENT	\V04-000\	
				.EXTRN	EDT\$\$CS_LEFT, EDT\$\$CS_RIGHT	
				.EXTRN	EDT\$\$G_DIR, EDT\$\$A_LN_PTR	
				.PSECT	_EDT\$CODE, NOWRT, SHR, PIC, 2	
			003C 00000	.ENTRY	EDT\$\$\$SAV_DELTXT, Save R2,R3,R4,R5	: 0657
55	00000000G	00	9E 00002	MOVAB	EDT\$\$G_DIR, R5	:
54	00000000G	00	9E 00009	MOVAB	EDT\$\$CS_LEFT, R4	:
53	08	AC	D0 00010	MOVL	DEL_BUF, BUF_POINT	: 0712
50		65	D0 00014	MOVL	EDT\$\$G_DIR, R0	: 0713
83		50	90 00017	MOVB	R0, (BUF_POINT)+	:
		50	D5 0001A	TSTL	R0	: 0718
		0C	13 0001C	BEQL	3\$:
52	04	AC	D0 0001E	MOVL	NC, I	: 0721
		03	11 00022	BRB	2\$:
64		00	FB 00024 1\$:	CALLS	#0, EDT\$\$CS_LEFT	: 0722
FA		52	F4 00027 2\$:	SOBGEQ	I, 1\$:

				52	D4	0002A	3\$:	CLRL	I		:	0731
				17	11	0002C		BRB	6\$:	
	OC	AC		52	D1	0002E	4\$:	CMPL	I, BUF_LEN		:	
				0A	14	00032		BGTR	5\$:	
		50	00000000G	00	D0	00034		MOVL	EDT\$\$A_LN_PTR, R0		:	
		83		60	90	0003B		MOVW	(R0), (BUF_POINT)+		:	
	00000000G	00		00	FB	0003E	5\$:	CALLS	#0, EDT\$\$CS_RIGHT		:	0733
E4		52		04	AC	F3	6\$:	AOBLEQ	NC, I, 4\$:	0728
				65	D5	0004A		TSTL	EDT\$\$G_DIR		:	0740
				0C	12	0004C		BNEQ	9\$:	
		52		04	AC	D0		MOVL	NC, I		:	0743
				03	11	00052		BRB	8\$:	
		64		00	FB	00054	7\$:	CALLS	#0, EDT\$\$CS_LEFT		:	0744
		FA		52	F4	00057	8\$:	SOBGEQ	I, 7\$:	0746
				04	0005A	9\$:		RET			:	

: Routine Size: 91 bytes, Routine Base: _EDT\$CODE + 0000

: 177 0747 1
: 178 0748 1 !<BLF/PAGE>

EDT\$CHMSAVTXT
V04-000

EDT\$CHMSAVTXT - save deleted text
EDT\$\$\$SAV_DELTXT - save deleted text

D 10
16-Sep-1984 00:10:22 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:22:44 [EDT.SRC]CHMSAVTXT.BLI;1

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(4)

EDT\$
V04-

: 180 0749 1 END
: 181 0750 1
: 182 0751 0 ELUDOM

: of module EDT\$CHMSAVTXT

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	91	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\$:CHMSAVTXT/OBJ=OBJ\$:CHMSAVTXT MSRCS\$:CHMSAVTXT.BLI/UPDATE=(ENHS:C
HMSAVTXT)

: Size: 91 code + 0 data bytes
: Run Time: 00:11.0
: Elapsed Time: 00:15.1
: Lines/CPU Min: 4100
: Lexemes/CPU-Min: 11344
: Memory Used: 71 pages
: Compilation Complete

CHMMRKCHG LIS	CHMPARSEN LIS	CHMSELPOS LIS	CHMSPLLIN LIS	DATA LIS
CHMPAREN LIS	CHMONSTR LIS	CHMSAVPOS LIS	CHMSCHSTR LIS	CHMUNDEL LIS
CHMMESS LIS	CHMPASTE LIS	CHMREPOS LIS	CHMSENDEL LIS	COMMAND LIS
CHMNEWLEN LIS	CHMPARSE LIS	CHMSAVTXT LIS	CHMTADJ LIS	CLRKEY LIS
CHMSAVLIN LIS	CHMSUBS LIS			