


```

      SSSSSSSS    CCCCCCCC    RRRRRRRR    NN      NN    EEEEEEEEEE    WW      WW    DDDDDDDD    FEEEEEEEEE    LL
      SSSSSSSS    CCCCCCCC    RRRRRRRR    NN      NN    EEEEEEEEEE    WW      WW    DDDDDDDD    FEEEEEEEEE    LL
SS     SS       CC     CC     RR      RR    NN      NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
SS     SS       CC     CC     RR      RR    NN      NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
SS     SS       CC     CC     RR      RR    NNNN     NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
      SSSSSS     CC     CC     RRRRRRRR    NN      NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
      SSSSSS     CC     CC     RRRRRRRR    NN      NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WW      WW    DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
                SS     CC     RR      RR    NN      NN    EEEEEEEEEE    WWW     WWW   DD     DD    EEEEEEEEEE    LL
SSSSSSSS    CCCCCCCC    RR      RR    NN      NN    EEEEEEEEEE    WW      WW    DDDDDDDD    FEEEEEEEEE    LLLLLLLLLL
SSSSSSSS    CCCCCCCC    RR      RR    NN      NN    EEEEEEEEEE    WW      WW    DDDDDDDD    FEEEEEEEEE    LLLLLLLLLL
                .....
```



```

LL     LL     IIIIII    SSSSSSSS
LL     LL     IIIIII    SSSSSSSS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SSSSSS
LL     LL     II       SSSSSS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LL     LL     II       SS
LLLLLLLLLL  IIIIII    SSSSSSSS
LLLLLLLLLL  IIIIII    SSSSSSSS
```

```

1 0001 0 %TITLE 'EDT$SCRNEWDEL - delete a line from the screen'
2 0002 0 MODULE EDT$SCRNEWDEL ( ! delete a line from the screen
3 0003 0 IDENT = 'V04-000' ! File: SCRNEWDEL.BLI Edit: JBS1007
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 updates the screen information data structure to
37 0037 1 reflect the deletion of a line.
38 0038 1
39 0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
40 0040 1
41 0041 1 AUTHOR: Sharon M. Burlingame, CREATION DATE: September 15, 1982
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. SMB 15-Sep-1982.
46 0046 1 1-002 - Fix up the original to conform to new design. SMB 10-Oct-1982
47 0047 1 1-003 - Add more code to remove existing bugs. SMB 26-Oct-1982
48 0048 1 1-004 - Change updating of the screen pointers. JBS 29-Oct-1982
49 0049 1 1-005 - Don't set the rebuild flag. JBS 03-Jan-1983
50 0050 1 1-006 - Also invalidate EDT$SA_CSR SCRPTIR if it is deleted. JBS 20-May-1983
51 0051 1 1-007 - Improve the appearance of the listing. JBS 17-Jun-1983
52 0052 1 --
53 0053 1

```



```
.. 55 0054 1 %SBTTL 'Declarations'  
.. 56 0055 1 |  
.. 57 0056 1 | TABLE OF CONTENTS:  
.. 58 0057 1 |  
.. 59 0058 1 |  
.. 60 0059 1 REQUIRE 'EDT SRC:TRAROUNAM';  
.. 61 0498 1 |  
.. 62 0499 1 FORWARD ROUTINE  
.. 63 0500 1 EDTSSC_LNDEL : NOVALUE;  
.. 64 0501 1 |  
.. 65 0502 1 |  
.. 66 0503 1 | INCLUDE FILES:  
.. 67 0504 1 |  
.. 68 0505 1 |  
.. 69 0506 1 REQUIRE 'EDT SRC:EDTREQ';  
.. 70 0641 1 |  
.. 71 0642 1 |  
.. 72 0643 1 | MACROS:  
.. 73 0644 1 |  
.. 74 0645 1 | NONE  
.. 75 0646 1 |  
.. 76 0647 1 | EQUATED SYMBOLS:  
.. 77 0648 1 |  
.. 78 0649 1 | NONE  
.. 79 0650 1 |  
.. 80 0651 1 | OWN STORAGE:  
.. 81 0652 1 |  
.. 82 0653 1 | NONE  
.. 83 0654 1 |  
.. 84 0655 1 | EXTERNAL REFERENCES:  
.. 85 0656 1 |  
.. 86 0657 1 | In the routine
```

23

```

: 88      0658 1 %SBTTL 'EDTSSSC_LNDEL - delete a line from the screen'
: 89      0659 1
: 90      0660 1 GLOBAL ROUTINE EDTSSSC_LNDEL (                ! Delete a line from the screen
: 91      0661 1   SCRPTR                                ! Screen pointer to delete
: 92      0662 1   ) : NOVALUE =
: 93      0663 1
: 94      0664 1 ++
: 95      0665 1 FUNCTIONAL DESCRIPTION:
: 96      0666 1
: 97      0667 1     Update the screen line information structure by
: 98      0668 1     releasing the memory to the pool of available storage.
: 99      0669 1     Update various screen line pointers as necessary.
100     0670 1
101     0671 1 FORMAL PARAMETERS:
102     0672 1
103     0673 1     NONE
104     0674 1
105     0675 1 IMPLICIT INPUTS:
106     0676 1
107     0677 1     EDTSSG_MEM_CNT
108     0678 1     EDTSSA_BOT_SCRPTR
109     0679 1     EDTSSA_EOB_SCRPTR
110     0680 1     EDTSSA_TOP_SCRPTR
111     0681 1     EDTSSA_FST_AVLN
112     0682 1     EDTSSA_FST_SCRPTR
113     0683 1     EDTSSA_LST_SCRPTR
114     0684 1     EDTSSA_CSR_SCRPTR
115     0685 1     EDTSSL_CUR_SCRLN
116     0686 1
117     0687 1 IMPLICIT OUTPUTS:
118     0688 1
119     0689 1     EDTSSG_MEM_CNT
120     0690 1     EDTSSA_BOT_SCRPTR
121     0691 1     EDTSSA_EOB_SCRPTR
122     0692 1     EDTSSA_TOP_SCRPTR
123     0693 1     EDTSSA_FST_AVLN
124     0694 1     EDTSSA_FST_SCRPTR
125     0695 1     EDTSSA_LST_SCRPTR
126     0696 1     EDTSSA_CSR_SCRPTR
127     0697 1     EDTSSL_CUR_SCRLN
128     0698 1
129     0699 1 ROUTINE VALUE:
130     0700 1
131     0701 1     NONE
132     0702 1
133     0703 1 SIDE EFFECTS:
134     0704 1
135     0705 1     NONE
136     0706 1
137     0707 1 --
138     0708 1
139     0709 2 BEGIN
140     0710 2
141     0711 2 EXTERNAL
142     0712 2     EDTSSG_MEM_CNT,                ! Allocated memory count
143     0713 2     EDTSSA_BOT_SCRPTR : REF SCREEN_LINE, ! Bottom screen pointer
144     0714 2     EDTSSA_EOB_SCRPTR : REF SCREEN_LINE, ! EOB screen pointer

```



```

145 0715 2      EDTSSA_TOP_SCRPTR : REF SCREEN_LINE,      ! Top screen pointer
146 0716 2      EDTSSA_CSR_SCRPTR : REF SCREEN_LINE,      ! Current screen pointer
147 0717 2      EDTSSA_FST_AVLN : REF SCREEN_LINE,        ! First available screen info memory
148 0718 2      EDTSSA_FST_SCRPTR : REF SCREEN_LINE,      ! Pointer to first screen line info
149 0719 2      EDTSSA_LST_SCRPTR : REF SCREEN_LINE;      ! Pointer to last screen line info
150 0720
151 0721 2      MAP
152 0722 2      SCRPTR : REF SCREEN_LINE;                ! Screen pointer parameter
153 0723
154 0724 2      LOCAL
155 0725 2      NXT_ADDR : REF SCREEN_LINE,              ! Address of next line info
156 0726 2      PREV_ADDR : REF SCREEN_LINE;            ! Address of previous line info
157 0727
158 0728 2      +
159 0729 2      - Find the next and previous pointers of the line being deleted.
160 0730
161 0731 2      - NXT_ADDR = .SCRPTR [SCR NXT_LINE];
162 0732 2      - PREV_ADDR = .SCRPTR [SCR PRV_LINE];
163 0733 2      +
164 0734 2      - Check for deleting the first line of the screen data base.
165 0735
166 0736
167 0737 2      IF (.EDTSSA_FST_SCRPTR EQLA .SCRPTR)
168 0738 2      THEN
169 0739 2      BEGIN
170 0740 2      EDTSSA_FST_SCRPTR = .NXT_ADDR;
171 0741 2      EDTSSA_FST_SCRPTR [SCR_PRV_LINE] = 0;
172 0742 2      END;
173 0743
174 0744 2      +
175 0745 2      - Check for deleting the last line of the screen data base.
176 0746
177 0747
178 0748 2      IF (.SCRPTR EQLA .EDTSSA_LST_SCRPTR)
179 0749 2      THEN
180 0750 2      BEGIN
181 0751 2      EDTSSA_LST_SCRPTR = .PREV_ADDR;
182 0752 2      EDTSSA_LST_SCRPTR [SCR_NXT_LINE] = 0;
183 0753 2      END;
184 0754
185 0755 2      +
186 0756 2      - Check for EOB deleted off the screen
187 0757
188 0758
189 0759 2      IF (.EDTSSA_EOB_SCRPTR EQLA .SCRPTR) THEN EDTSSA_EOB_SCRPTR = 0;
190 0760
191 0761 2      +
192 0762 2      - Check for deleting the top line from the data base.
193 0763
194 0764
195 0765 2      IF (.EDTSSA_TOP_SCRPTR EQLA .SCRPTR) THEN EDTSSA_TOP_SCRPTR = 0;
196 0766
197 0767 2      +
198 0768 2      - Check for deleting the bottom line from the data base.
199 0769
200 0770
201 0771 2      IF (.EDTSSA_BOT_SCRPTR EQLA .SCRPTR) THEN EDTSSA_BOT_SCRPTR = 0;
```



```

: 259 0829 3 ASSERT (.SCRPTR2 EQLA .EDT$SA LST SCRPTR);
: 260 0830 3 ASSERT (.COUNT EQL .EDT$G_MEM_CNT);
: 261 0831 2 END;
: 262 0832 2
: 263 0833 1 END;

```

! of routine EDT\$\$\$C_LNDEL

.TITLE EDT\$SCRNEWDEL EDT\$SCRNEWDEL - delete a line from the screen

.IDENT \V04-000\

```

.EXTRN EDT$G_MEM_CNT, EDT$SA_BOT_SCRPTR
.EXTRN EDT$SA_EOB_SCRPTR
.EXTRN EDT$SA_TOP_SCRPTR
.EXTRN EDT$SA_CSR_SCRPTR
.EXTRN EDT$SA_FST_AVLN
.EXTRN EDT$SA_FST_SCRPTR
.EXTRN EDT$SA_LST_SCRPTR
.EXTRN EDT$INTER_ERR

```

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

.ENTRY EDT\$\$\$C_LNDEL, Save R2,R3,R4,R5,R6,R7,R8,- R9,R10 : 0660

```

                                07FC 00000
5A 00000000G 00 9E 00002 MOVAB EDT$SA_FST_AVLN, R10
59 00000000G 00 9E 00009 MOVAB EDT$SA_CSR_SCRPTR, R9
58 00000000G 00 9E 00010 MOVAB EDT$SA_BOT_SCRPTR, R8
57 00000000G 00 9E 00017 MOVAB EDT$SA_TOP_SCRPTR, R7
56 00000000G 00 9E 0001E MOVAB EDT$SA_EOB_SCRPTR, R6
55 00000000G 00 9E 00025 MOVAB EDT$SA_FST_SCRPTR, R5
54 00000000G 00 9E 0002C MOVAB EDT$SA_LST_SCRPTR, R4
51          04 AC D0 00033 MOVL SCRPTR, R1
52          61 7D 00037 MOVQ (R1), PREV_ADDR
51          65 D1 0003A CMPL EDT$SA_FST_SCRPTR, R1
                    08 12 0003D BNEQ 1$
65          53 D0 0003F MOVL NXT_ADDR, EDT$SA_FST_SCRPTR
50          65 D0 00042 MOVL EDT$SA_FST_SCRPTR, R0
                    60 D4 00045 CLRL (R0)
64          51 D1 00047 1$: CMPL R1, EDT$SA_LST_SCRPTR
                    09 12 0004A BNEQ 2$
64          52 D0 0004C MOVL PREV_ADDR, EDT$SA_LST_SCRPTR
50          64 D0 0004F MOVL EDT$SA_LST_SCRPTR, R0
                    A0 D4 00052 CLRL 4(R0)
51          66 D1 00055 2$: CMPL EDT$SA_EOB_SCRPTR, R1
                    02 12 00058 BNEQ 3$
51          66 D4 0005A CLRL EDT$SA_EOB_SCRPTR
                    67 D1 0005C 3$: CMPL EDT$SA_TOP_SCRPTR, R1
                    02 12 0005F BNEQ 4$
51          67 D4 00061 CLRL EDT$SA_TOP_SCRPTR
                    68 D1 00063 4$: CMPL EDT$SA_BOT_SCRPTR, R1
                    02 12 00066 BNEQ 5$
51          68 D4 00068 CLRL EDT$SA_BOT_SCRPTR
                    69 D1 0006A 5$: CMPL EDT$SA_CSR_SCRPTR, R1
                    02 12 0006D BNEQ 6$
                    69 D4 0006F CLRL EDT$SA_CSR_SCRPTR
                    52 D5 00071 6$: TSTL PREV_ADDR
                    04 13 00073 BEQL 7$

```


EDT\$SCRNEWDEL
V04-000

EDT\$SCRNEWDEL - delete a line from the screen
EDT\$SSC_LNDEL - delete a line from the screen

F 5
16-Sep-1984 01:37:42
14-Sep-1984 12:24:34

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

Page 7
(3)

04	A2	53	D0	00075	
		53	D5	00079	7\$:
		03	13	0007B	
	63	52	D0	0007D	
04	A1	6A	D0	00080	8\$:
	61	01	CE	00084	
	6A	51	D0	00087	
		00	D7	0008A	
			04	00090	

MOVL	NXT_ADDR, 4(PREV_ADDR)
TSTL	NXT_ADDR
BEQL	8\$
MOVL	PREV_ADDR, (NXT_ADDR)
MOVL	EDT\$SA_FST_AVLN, 4(R1)
MNEGL	#1, (RT)
MOVL	R1, EDT\$SA_FST_AVLN
DECL	EDT\$SG_MEM_CNT
RET	

```

:
: 0786
:
: 0793
: 0794
: 0795
: 0796
: 0833

```

; Routine Size: 145 bytes, Routine Base: _EDT\$CODE + 0000

```

: 264      0834 1
: 265      0835 1 !<BLF/PAGE>

```

EDT
V04

EDT\$SCRNEWDEL
V04-000

EDT\$SCRNEWDEL - delete a line from the screen
EDT\$SSC_LNDEL - delete a line from the screen

6 5
16-Sep-1984 01:37:42
14-Sep-1984 12:24:34

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

Page 8
(4)

: 267 0836 1 END
: 268 0837 1
: 269 0838 0 ELUDOM

! of module EDT\$SCRNEWDEL

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	145	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	12	3	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\$:SCRNEWDEL/OBJ=OBJ\$:SCRNEWDEL MSRC\$:SCRNEWDEL.BLI/UPDATE=(ENHS:SCRNEWDEL)

: Size: 145 code + 0 data bytes
: Run Time: 00:14.8
: Elapsed Time: 00:19.6
: Lines/CPU Min: 3390
: Lexemes/CPU-Min: 12133
: Memory Used: 98 pages
: Compilation Complete

EDT
V04

