


```
SSSSSSSS  CCCCCCCC  RRRRRRRR  RRRRRRRR  EEEEEEEEE  SSSSSSSS  EEEEEEEEE  TTTTTTTTTT
SSSSSSSS  CCCCCCCC  RRRRRRRR  RRRRRRRR  EEEEEEEEE  SSSSSSSS  EEEEEEEEE  TTTTTTTTTT
SS         CC         RR         RR         EE         SS         EE         TT
SS         CC         RR         RR         EE         SS         EE         TT
SS         CC         RR         RR         EE         SS         EE         TT
SS         CC         RR         RR         EE         SS         EE         TT
SSSSSS    CC         RRRRRRRR  RRRRRRRR  EEEEEEEE  SSSSSS    EE         TT
SSSSSS    CC         RRRRRRRR  RRRRRRRR  EEEEEEEE  SSSSSS    EE         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SS         CC         RR  RR      RR  RR      EE         SS         TT
SSSSSSSS  CCCCCCCC  RR         RR         EEEEEEEEE  SSSSSSSS  EEEEEEEEE  TT
SSSSSSSS  CCCCCCCC  RR         RR         EEEEEEEEE  SSSSSSSS  EEEEEEEEE  TT
.....
```

```
LL         IIIIIII  SSSSSSSS
LL         IIIIIII  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 IIIIIII  SSSSSSSS
LLLLLLLLLL IIIIIII  SSSSSSSS
```



```

1 0001 0 XTITLE 'EDT$SCRRESET - reset the terminal'
2 0002 0 MODULE EDT$SCRRESET ( ! Reset the terminal
3 0003 0 IDENT = 'V04-000' ! File: SCRRESET.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 resets the terminal attributes to their state
37 0037 1 before change mode was 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: September 8, 1979
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. DJS 12-Feb-1981. This module was created by
46 0046 1 extracting the routine EDT$$$C RESET from module SCREEN.
47 0047 1 1-002 - Regularized headers. JBS 24-Feb-1981
48 0048 1 1-003 - Fix module name. JBS 13-Mar-1981
49 0049 1 1-004 - Revise autorepeat logic. JBS 30-Jan-1982
50 0050 1 1-005 - Change if test for nokeypad command. SMB 23-Feb-1982
51 0051 1 1-006 - Change test back and add test for terminal type, moved here
52 0052 1 from EDT$CHMCHANGE. JBS 22-Apr-1982
53 0053 1 1-007 - Make sure the terminal is in replace mode, if it is a VT100. JBS 01-Apr-1983
54 0054 1
55 0055 1

```

```
: 57 0056 1 %SBTTL 'Declarations'  
: 58 0057 1 |  
: 59 0058 1 | TABLE OF CONTENTS:  
: 60 0059 1 |  
: 61 0060 1 |  
: 62 0061 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
: 63 0500 1 |  
: 64 0501 1 FORWARD ROUTINE  
: 65 0502 1 EDT$SC_RESET : NOVALUE;  
: 66 0503 1 |  
: 67 0504 1 |  
: 68 0505 1 | INCLUDE FILES:  
: 69 0506 1 |  
: 70 0507 1 |  
: 71 0508 1 REQUIRE 'EDT$SRC:EDTREQ';  
: 72 0643 1 |  
: 73 0644 1 |  
: 74 0645 1 | MACROS:  
: 75 0646 1 |  
: 76 0647 1 | NONE  
: 77 0648 1 |  
: 78 0649 1 | EQUATED SYMBOLS:  
: 79 0650 1 |  
: 80 0651 1 |  
: 81 0652 1 BIND  
: 82 0653 1 NOKEYPAD_MODE = UPLIT (%STRING (%CHAR (ASC_K_ESC), '>')));  
: 83 0654 1 |  
: 84 0655 1 LITERAL  
: 85 0656 1 NOKEYPAD_MODE_LEN = 2;  
: 86 0657 1 |  
: 87 0658 1 |  
: 88 0659 1 | OWN STORAGE:  
: 89 0660 1 |  
: 90 0661 1 | NONE  
: 91 0662 1 |  
: 92 0663 1 | EXTERNAL REFERENCES:  
: 93 0664 1 |  
: 94 0665 1 | In the routine
```



```

: 96 0666 1 %SBTTL 'EDTSSC_RESET - reset the terminal'
: 97 0667 1
: 98 0668 1 GLOBAL ROUTINE EDTSSC_RESET ! Reset the terminal
: 99 0669 1 : NOVALUE =
100 0670 1
101 0671 1 +-
102 0672 1 FUNCTIONAL DESCRIPTION:
103 0673 1
104 0674 1 This routine resets all the funny things we did to the terminal when
105 0675 1 entering screen mode.
106 0676 1
107 0677 1 FORMAL PARAMETERS:
108 0678 1
109 0679 1 NONE
110 0680 1
111 0681 1 IMPLICIT INPUTS:
112 0682 1
113 0683 1 EDTSSG_TI_TYPE
114 0684 1 EDTSSG_KPAD
115 0685 1 EDTSSG_INSERT_MODE
116 0686 1
117 0687 1 IMPLICIT OUTPUTS:
118 0688 1
119 0689 1 NONE
120 0690 1
121 0691 1 ROUTINE VALUE:
122 0692 1
123 0693 1 NONE
124 0694 1
125 0695 1 SIDE EFFECTS:
126 0696 1
127 0697 1 Puts the cursor at the bottom of the screen, and
128 0698 1 leaves change mode.
129 0699 1
130 0700 1 --
131 0701 1
132 0702 2 BEGIN
133 0703 2
134 0704 2 EXTERNAL ROUTINE
135 0705 2 EDTSSFMT_LIT,
136 0706 2 EDTSSOUT_FMTBUF,
137 0707 2 EDTSSTI_LEAVECHM,
138 0708 2 EDTSSC_POSABS : NOVALUE,
139 0709 2 EDTSSC_NONREVID : NOVALUE,
140 0710 2 EDTSSC_FULLSCLL : NOVALUE,
141 0711 2 EDTSSTI_ENBLAUTREP : NOVALUE, ! Enable or disable autorepeat
142 0712 2 EDTSSC_REP_MODE : NOVALUE; ! Put the screen in replace mode
143 0713 2
144 0714 2 EXTERNAL
145 0715 2 EDTSSG_TI_TYP, ! The type of terminal we have
146 0716 2 EDTSSG_KPAD, ! Keypad activated?
147 0717 2 EDTSSG_INSERT_MODE; ! 1 = in insert mode
148 0718 2
149 0719 2 IF ((.EDTSSG_TI_TYP EQL TERM_VT52) OR (.EDTSSG_TI_TYP EQL TERM_VT100))
150 0720 2 THEN
151 0721 2 BEGIN
152 0722 2
```

```

153 0723 IF .EDT$SG_KPAD THEN EDT$FMT_LIT (NOKEYPAD_MODE, NOKEYPAD_MODE_LEN);
154 0724
155 0725 EDT$$$C_FULLSCLL ();
156 0726 EDT$$$C_NONREVID ();
157 0727
158 0728 IF (.EDT$SG_INSERT_MODE NEQ 0) THEN EDT$$$C_REP_MODE ();
159 0729
160 0730 EDT$STI_ENBLAUTREP (1);
161 0731
162 0732 Put cursor at bottom of screen.
163 0733
164 0734 EDT$$$C_POSABS (23, 0);
165 0735 EDT$FMT_LIT (UPLIF (%STRING (%CHAR (ASC_K_LF))), 1);
166 0736 EDT$OUT_FMTBUF ();
167 0737
168 0738 Inform the terminal I/O routines that we are leaving screen mode.
169 0739
170 0740 EDT$STI_LEAVECHM ();
171 0741 END;
172 0742
173 0743 END;

```

! of routine EDT\$\$\$C_RESET

.TITLE EDT\$SCRRESET EDT\$SCRRESET - reset the terminal
.IDENT \V04-000\

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

00 00 3E 1B 00000 P.AAA: .ASCII <27>\>\<0><0> ;
00 00 00 0A 00004 P.AAB: .ASCII <10><0><0><0> ;

NOKEYPAD_MODE= P.AAA
.EXTRN EDT\$FMT_LIT, EDT\$OUT_FMTBUF
.EXTRN EDT\$STI_LEAVECHM
.EXTRN EDT\$\$\$C_POSABS, EDT\$\$\$C_NONREVID
.EXTRN EDT\$\$\$C_FULLSCLL
.EXTRN EDT\$STI_ENBLAUTREP
.EXTRN EDT\$\$\$C_REP_MODE
.EXTRN EDT\$SG_TI_TYP, EDT\$SG_KPAD
.EXTRN EDT\$SG_INSERT_MODE

52	00000000G	00	9E	00002	.ENTRY	EDT\$\$\$C_RESET, Save R2	: 0668
50	00000000G	00	D0	00009	MOVAB	EDT\$FMT_LIT, R2	
01		50	D1	00010	MOVL	EDT\$SG_TI_TYP, R0	: 0719
		05	13	00013	CMPL	R0, #1	
02		50	D1	00015	BEQL	1\$	
		55	12	00018	CMPL	R0, #2	
08	00000000G	00	E9	0001A	BNEQ	4\$	
		02	DD	00021	BLBC	EDT\$SG_KPAD, 2\$: 0723
		AF	9F	00023	PUSHL	#2	
62		02	FB	00026	PUSHAB	NOKEYPAD_MODE	
00000000G	00	00	FB	00029	CALLS	#2, EDT\$FMT_LIT	
00000000G	00	00	FB	00030	CALLS	#0, EDT\$\$\$C_FULLSCLL	: 0725
		00	FB	00030	CALLS	#0, EDT\$\$\$C_NONREVID	: 0726
	00000000G	00	D5	00037	TSTL	EDT\$SG_INSERT_MODE	: 0728
		07	13	0003D	BEQL	3\$	
00000000G	00	00	FB	0003F	CALLS	#0, EDT\$\$\$C_REP_MODE	

EDT\$SCRESET
V04-000

EDT\$SCRESET - reset the terminal
EDT\$SC_RESET - reset the terminal

H 9
16-Sep-1984 01:41:34
14-Sep-1984 12:24:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]SCRESET.BLI;1
Page 5
(3)

00000000G	00	01	DD	00046	3\$:	PUSHL	#1		:	0730
	7E	01	FB	00048		CALLS	#1	EDT\$STI_ENBLAUTREP	:	
00000000G	00	17	7D	0004F		MOVQ	#2, -(SP)		:	0734
		02	FB	00052		CALLS	#2,	EDT\$SC_POSABS	:	
		01	DD	00059		PUSHL	#1		:	0735
		9E	AF	9F	0005B	PUSHAB	P, AAB		:	
00000000G	62	02	FB	0005E		CALLS	#2,	EDT\$FMT_LIT	:	
00000000G	00	00	FB	00061		CALLS	#0,	EDT\$OUT_FMTBUF	:	0736
00000000G	00	00	FB	00068		CALLS	#0,	EDT\$STI_LEAVECHM	:	0740
		04	0006F	4\$:		RET			:	0743

; Routine Size: 112 bytes, Routine Base: _EDT\$CODE + 0008

; 174 0744 1
; 175 0745 1 !<BLF/PAGE>

EDTSSCRRESET
V04-000

EDTSSCRRESET - reset the terminal
EDTSSC_RESET - reset the terminal

1 9
16-Sep-1984 01:41:34
14-Sep-1984 12:24:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]SCRRESET.BLI;1 (4) Page 6

: 177 0746 1 END
: 178 0747 1
: 179 0748 0 ELUDOM

! of routine EDTSSCRRESET

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 120 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	4	1	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\$:SCRRESET/OBJ=OBJ\$:SCRRESET MSRC\$:SCRRESET.BLI/UPDATE=(ENH\$:SCRR ESET)

: Size: 112 code + 8 data bytes
: Run Time: 00:10.9
: Elapsed Time: 00:13.2
: Lines/CPU Min: 4113
: Lexemes/CPU-Min: 11202
: Memory Used: 69 pages
: Compilation Complete

SCREENDEL LIS	SCRRESET LIS	SCRRLIN LIS	SCRREPOS LIS	SCRNOSCR LIS	SCRUPDATE LIS
SCRINSERT LIS	SCRINIT LIS	SCRINCOL LIS	SCRNEWINS LIS	SCRNEWDEL LIS	SCRMOVETO LIS
SCRINMOD LIS	SCRNEWDEL LIS	SCRNEWINS LIS	SCRREGION LIS	SCRREPMOD LIS	SCRREUIL LIS
SCRREUIL LIS	SCRREUIL LIS	SCRREUIL LIS	SCRREUIL LIS	SCRREUIL LIS	SCRREUIL LIS