


```

1 0001 0 %TITLE 'EDT$SCRCHKREV - reverse video in select range'
2 0002 0 MODULE EDT$SCRCHKREV ( ! Reverse video in select range
3 0003 0 IDENT = 'V04-000' ! File: SCRCHKREV.BLI Edit: JBS1004
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
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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 checks to see if the current line is within
37 0037 1 the select range, and forces the screen into normal or
38 0038 1 reverse video, accordingly.
39 0039 1
40 0040 1 ENVIRONMENT: Runs at any access mode - AST reentrant
41 0041 1
42 0042 1 AUTHOR: Bob Kushlis, CREATION DATE: September 8, 1979
43 0043 1
44 0044 1 MODIFIED BY:
45 0045 1
46 0046 1 1-001 - Original. DJS 12-Feb-1981. This module was created by
47 0047 1 extracting the routine CHECK_REVERSE from module SCREEN.
48 0048 1 1-002 - Regularize headers. JBS 13-Mar-1981
49 0049 1 1-003 - Revise the definition of EDT$G_CS_CHNO. JBS 27-Dec-1982
50 0050 1 1-004 - Improve the appearance of the listing. JBS 17-Jun-1983
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     EDTSSC_REVIDCHK : 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
```

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: 87 0657 1 %SBTTL 'EDTSSC_REVIDCHK - reverse video in select range'
: 88 0658 1
: 89 0659 1 GLOBAL ROUTINE EDTSSC_REVIDCHK (           ! Reverse video in select range
: 90 0660 1     CP                                     ! Current position in line buffer
: 91 0661 1     ) : NOVALUE =
: 92 0662 1
: 93 0663 1 ++
: 94 0664 1 FUNCTIONAL DESCRIPTION:
: 95 0665 1
: 96 0666 1     This routine checks to see if we are inside the select range, and forces
: 97 0667 1     the screen into either reverse or normal video based on the result.
: 98 0668 1
: 99 0669 1 FORMAL PARAMETERS:
100 0670 1
101 0671 1     CP                               Current position in the line buffer
102 0672 1
103 0673 1 IMPLICIT INPUTS:
104 0674 1
105 0675 1     EDTSSG_CS_CHNO
106 0676 1     EDTSSL_CS_LN
107 0677 1     EDTSSL_SEC_LN
108 0678 1     EDTSSA_SEL_POS
109 0679 1     EDTSSG_TI_TYP
110 0680 1     EDTSST_LN_BUF
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     Puts the screen in either normal or reverse video.
123 0693 1
124 0694 1 --
125 0695 1
126 0696 2 BEGIN
127 0697 2
128 0698 2 EXTERNAL ROUTINE
129 0699 2     EDTSSC_CMPPPOS,
130 0700 2     EDTSSC_REVID : NOVALUE,
131 0701 2     EDTSSC_NONREVID : NOVALUE;
132 0702 2
133 0703 2 EXTERNAL
134 0704 2     EDTSSG_CS_CHNO,           ! character position of cursor.
135 0705 2     EDTSSL_CS_LN : LN_BLOCK, ! relative line number of cursor line.
136 0706 2     EDTSSL_SEC_LN : LN_BLOCK, ! Relative line number of select.
137 0707 2     EDTSSA_SEL_POS,         ! select position.
138 0708 2     EDTSSG_TI_TYP,         ! Terminal type.
139 0709 2     EDTSST_LN_BUF;       ! Current line buffer.
140 0710 2
141 0711 2 LOCAL
142 0712 2     CPOINT;
143 0713 2
```

```

: 144      0714 2      CPOINT = CH$PTR (EDT$ST_LN_BUF, .CP);
: 145      0715 2
: 146      0716 2      IF (.EDT$$G_TI_TYP EQL TERM_VT100)
: 147      0717 2      THEN
: 148      0718 2
: 149      0719 2          IF (EDT$$SC_CMPPOS (.CPOINT, EDT$$L_CS_LN, EDT$ST_LN_BUF + .EDT$$G_CS_CHNO) NEQ
: 150      0720 2          EDT$$SC_CMPPOS (.CPOINT, EDT$$L_SEL_LN, .EDT$$A_SEL_POS))
: 151      0721 2          THEN
: 152      0722 2          EDT$$SC_REVID ()
: 153      0723 2          ELSE
: 154      0724 2          EDT$$SC_NONREVID ();
: 155      0725 2
: 156      0726 1      END;

```

! of routine EDTSSC_REVIDCHK

```

.TITLE EDTSSCRCHKREV EDTSSCRCHKREV - reverse video in
       select range
.IDENT  \V04-000\
.EXTRN  EDT$$SC_CMPPOS, EDT$$SC_REVID
.EXTRN  EDT$$SC_NONREVID
.EXTRN  EDT$$G_CS_CHNO, EDT$$L_CS_LN
.EXTRN  EDT$$L_SEL_LN, EDT$$A_SEL_POS
.EXTRN  EDT$$G_TI_TYP, EDT$ST_LN_BUF
.PSECT  _EDT$CODE, NOWRT, SHR, PIC, 2

```

			003C 00000	.ENTRY	EDTSSC_REVIDCHK, Save R2,R3,R4,R5	: 0659
	55	00000000G	00 9E 00002	MOVAB	EDT\$ST_LN_BUF, R5	
	54	00000000G	00 9E 00009	MOVAB	EDT\$\$SC_CMPPOS, R4	
	50		65 9E 00010	MOVAB	EDT\$ST_LN_BUF, R0	: 0714
52	50	04	AC C1 00013	ADDL3	CP, R0, CPOINT	
	02	00000000G	00 D1 00018	CMPL	EDT\$\$G_TI_TYP, #2	: 0716
			3D 12 0001F	BNEQ	2\$	
	50	00000000G	00 D0 00021	MOVL	EDT\$\$G_CS_CHNO, R0	: 0719
		00000000G	6540 9F 00028	PUSHAB	EDT\$ST_LN_BUF[R0]	
			00 9F 0002B	PUSHAB	EDT\$\$L_CS_LN	
			52 DD 00031	PUSHL	CPOINT	
	64		03 FB 00033	CALLS	#3, EDT\$\$SC_CMPPOS	
	53		50 D0 00036	MOVL	R0, R3	
		00000000G	00 DD 00039	PUSHL	EDT\$\$A_SEL_POS	: 0720
		00000000G	00 9F 0003F	PUSHAB	EDT\$\$L_SEL_LN	
			52 DD 00045	PUSHL	CPOINT	
	64		03 FB 00047	CALLS	#3, EDT\$\$SC_CMPPOS	
	50		53 D1 0004A	CMPL	R3, R0	
			08 13 0004D	BEQL	1\$	
		00000000G	00 00 FB 0004F	CALLS	#0, EDTSSC_REVID	: 0722
			04 00056	RET		
		00000000G	00 00 FB 00057 1\$:	CALLS	#0, EDTSSC_NONREVID	: 0724
			04 0005E 2\$:	RET		: 0726

: Routine Size: 95 bytes, Routine Base: _EDT\$CODE + 0000

```

: 157      0727 1
: 158      0728 1 !<BLF/PAGE>

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: 160 0729 1 END
: 161 0730 1
: 162 0731 0 ELUDOM

! of module EDTSSCRCHKREV

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	95	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	6	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\$:SCRCHKREV/OBJ=OBJ\$:SCRCHKREV MSRC\$:SCRCHKREV.BLI/UPDATE=(ENH\$:S
CRCHKREV)

: Size: 95 code + 0 data bytes
: Run Time: 00:10.4
: Elapsed Time: 00:30.8
: Lines/CPU Min: 4217
: Lexemes/CPU-Min: 11475
: Memory Used: 64 pages
: Compilation Complete

