



```

SSSSSSSS  CCCCCCCC  RRRRRRRR  CCCCCCCC  HH      HH  KK      KK  RRRRRRRR  EEEEEEEEE  VV      VV
SSSSSSSS  CCCCCCCC  RRRRRRRR  CCCCCCCC  HH      HH  KK      KK  RRRRRRRR  EEEEEEEEE  VV      VV
SS          CC          RR          RR  CC          HH      HH  KK      KK  RR          RR  EE          VV      VV
SS          CC          RR          RR  CC          HH      HH  KK      KK  RR          RR  EE          VV      VV
SS          CC          RR          RR  CC          HH      HH  KK      KK  RR          RR  EE          VV      VV
SS          CC          RR          RR  CC          HH      HH  KK      KK  RR          RR  EE          VV      VV
SSSSSS    CC          RRRRRRRR  CCCCCCCC  HHHHHHHHHH  KKKKKK  RRRRRRRR  EEEEEEEEE  VV      VV
SSSSSS    CC          RRRRRRRR  CCCCCCCC  HHHHHHHHHH  KKKKKK  RRRRRRRR  EEEEEEEEE  VV      VV
          SS          RR  RR      CC          HH      HH  KK      KK  RR  RR      RR          VV      VV
          SS          RR  RR      CC          HH      HH  KK      KK  RR  RR      RR          VV      VV
          SS          RR  RR      CC          HH      HH  KK      KK  RR  RR      RR          VV      VV
          SS          RR  RR      CC          HH      HH  KK      KK  RR  RR      RR          VV      VV
SSSSSSSS  CCCCCCCC  RR          RR  CCCCCCCC  HH      HH  KK      KK  RR          RR  EEEEEEEEE  VV      VV
SSSSSSSS  CCCCCCCC  RR          RR  CCCCCCCC  HH      HH  KK      KK  RR          RR  EEEEEEEEE  VV      VV

```

```

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 %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 *  
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 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$SRC:TRAROUNAM';  
.. 60      0497 1  
.. 61      0498 1 FORWARD ROUTINE  
.. 62      0499 1     EDT$SSC_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
```

```

: 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_CMPPOS,
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 = CHSPTR (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$SC_CMPPOS (.CPOINT, EDT$SL_CS_LN, EDT$ST_LN_BUF + .EDT$G_CS_CHNO) NEQ
: 150 0720 2 EDT$SC_CMPPOS (.CPOINT, EDT$SL_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$SL_CS_LN
.EXTRN EDT$SL_SEL_LN, EDT$A_SEL_POS
.EXTRN EDT$G_TI_TYP, EDT$ST_LN_BUF

```

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

.ENTRY EDT\$SC\_REVIDCHK, Save R2,R3,R4,R5

```

003C 00000
55 00000000G 00 9E 00002
54 00000000G 00 9E 00009
50 65 9E 00010
50 04 AC C1 00013
02 00000000G 00 D1 00018
3D 12 0001F
50 00000000G 00 D0 00021
6540 9F 00028
00000000G 00 9F 0002B
52 DD 00031
64 03 FB 00033
53 50 D0 00036
00000000G 00 DD 00039
00000000G 00 9F 0003F
52 DD 00045
64 03 FB 00047
50 53 D1 0004A
08 13 0004D
00000000G 00 00 FB 0004F
04 00056
00000000G 00 00 FB 00057 1$:
04 0005E 2$:

```

```

MOVAB EDT$ST_LN_BUF, R5 : 0659
MOVAB EDT$SC_CMPPOS, R4
MOVAB EDT$ST_LN_BUF, R0 : 0714
ADDL3 CP, R0, CPOINT
CMPL EDT$G_TI_TYP, #2 : 0716
BNEQ 2$
MOVL EDT$G_CS_CHNO, R0 : 0719
PUSHAB EDT$ST_LN_BUF[R0]
PUSHAB EDT$SL_CS_LN
PUSHL CPOINT
CALLS #3, EDT$SC_CMPPOS
MOVL R0, R3
PUSHL EDT$A_SEL_POS : 0720
PUSHAB EDT$SL_SEL_LN
PUSHL CPOINT
CALLS #3, EDT$SC_CMPPOS
CMPL R3, R0
BEQL 1$
CALLS #0, EDT$SC_REVID : 0722
RET
CALLS #0, EDT$SC_NONREVID : 0724
RET : 0726

```

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

```

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

```

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

! of module EDT\$SCRCHKREV

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  
(RCHKREV)

: 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

