


```

WW      WW      FFFFFFFF      LL      000000      CCCCCCCC      LL      IIIIII      NN      NN
WW      WW      FFFFFFFF      LL      000000      CCCCCCCC      LL      IIIIII      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NNNN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NNNN      NN
WW      WW      FFFFFFFF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FFFFFFFF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WWW     WWW     FF      LL      00      00      CC      LL      II      NN      NN
WWW     WWW     FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      00      00      CC      LL      II      NN      NN
WWW     WWW     FF      LL      00      00      CC      LL      II      NN      NN
WWW     WWW     FF      LL      00      00      CC      LL      II      NN      NN
WW      WW      FF      LL      000000      CCCCCCCC      LLLLLLLLLL      IIIIII      NN      NN
WW      WW      FF      LL      000000      CCCCCCCC      LLLLLLLLLL      IIIIII      NN      NN

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      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
LLLLLLLLL.L      IIIIII      SSSSSSSS
LLLLLLLLL      IIIIII      SSSSSSSS

```

```
1 0001 0 %TITLE 'EDT$WFLOCLIN - find a specified line by number'  
2 0002 0 MODULE EDT$WFLOCLIN ( ! Find a specified line by number  
3 0003 0 IDENT = 'V04-000' ! File: WFLOCLIN.BLI Edit: JBS1005  
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 Find a specified line, given its number.  
37 0037 1  
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant  
39 0039 1  
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978  
41 0041 1  
42 0042 1 MODIFIED BY:  
43 0043 1  
44 0044 1 1-001 - Original. DJS 23-Feb-1981. This module was created by  
45 0045 1 extracting routine WFLOCLIN from module EDTWF.  
46 0046 1 1-002 - Regularize headers. JBS 19-Mar-1981  
47 0047 1 1-003 - Use the ASSERT macro. JBS 01-Jun-1981  
48 0048 1 1-004 - Modify to use new compare macro. STS 20-Oct-1982  
49 0049 1 1-005 - Improve listing appearance. JBS 20-Jun-1983  
50 0050 1 --  
51 0051 1
```

```
.. 53 0052 1 %SBTTL 'Declarations'  
.. 54 0053 1  
.. 55 0054 1 : TABLE OF CONTENTS:  
.. 56 0055 1 :  
.. 57 0056 1  
.. 58 0057 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
.. 59 0496 1  
.. 60 0497 1 FORWARD ROUTINE  
.. 61 0498 1 EDT$$LOC_LN;  
.. 62 0499 1  
.. 63 0500 1 :  
.. 64 0501 1 : INCLUDE FILES:  
.. 65 0502 1 :  
.. 66 0503 1  
.. 67 0504 1 REQUIRE 'EDT$SRC:EDTREQ';  
.. 68 0639 1  
.. 69 0640 1 :  
.. 70 0641 1 : MACROS:  
.. 71 0642 1 :  
.. 72 0643 1 : NONE  
.. 73 0644 1 :  
.. 74 0645 1 : EQUATED SYMBOLS:  
.. 75 0646 1 :  
.. 76 0647 1 : NONE  
.. 77 0648 1 :  
.. 78 0649 1 : OWN STORAGE:  
.. 79 0650 1 :  
.. 80 0651 1 : NONE  
.. 81 0652 1 :  
.. 82 0653 1 : EXTERNAL REFERENCES:  
.. 83 0654 1 :  
.. 84 0655 1 : In the routine
```

```
86 0656 1 %SBTTL 'EDT$$LOC_LN - find a specified line by number'
87 0657 1
88 0658 1 GLOBAL ROUTINE EDT$$LOC_LN (           ! Find a specified line, given its number
89 0659 1     LINE_NUM                           ! Number of line to find
90 0660 1     ) =
91 0661 1
92 0662 1 ++
93 0663 1  FUNCTIONAL DESCRIPTION:
94 0664 1
95 0665 1     This procedure searches for a specified line number.  If the line number
96 0666 1     is found, the buffer is left positioned there, if not, the buffer is positioned
97 0667 1     to the first line with a number larger than the line to be located.  The value
98 0668 1     returned is 1 if the actual line was located and 0 otherwise.
99 0669 1
100 0670 1  FORMAL PARAMETERS:
101 0671 1
102 0672 1     LINE_NUM           the address of the line number to be located.
103 0673 1
104 0674 1  IMPLICIT INPUTS:
105 0675 1
106 0676 1     EDT$$A_WK_LN
107 0677 1
108 0678 1  IMPLICIT OUTPUTS:
109 0679 1
110 0680 1     EDT$$A_WK_LN
111 0681 1
112 0682 1  ROUTINE VALUE
113 0683 1
114 0684 1     1 = the line was found
115 0685 1     0 = the line was not found, positioned right after where it should have been
116 0686 1
117 0687 1  SIDE EFFECTS:
118 0688 1
119 0689 1     NONE
120 0690 1
121 0691 1  --
122 0692 1
123 0693 2  BEGIN
124 0694 2
125 0695 2  EXTERNAL ROUTINE
126 0696 2     EDT$$RD_PRVLN,
127 0697 2     EDT$$RD_NXTLN;
128 0698 2
129 0699 2  EXTERNAL
130 0700 2     EDT$$A_WK_LN : REF LIN_BLOCK;           ! Pointer to current line
131 0701 2
132 0702 2  MAP
133 0703 2     LINE_NUM : REF LN_BLOCK;
134 0704 2
135 0705 2  LOCAL
136 0706 2     RELAT1,
137 0707 2     RELAT2;
138 0708 2
139 0709 2  RELAT1 = 2;           ! make sure no match first time
140 0710 2
141 0711 2  DO
142 0712 3  BEGIN
```

```

143 0713      RELAT2 = CMPLNO (EDT$$A_WK_LN [LIN_NUM], .LINE_NUM);
144 0714
145 0715      + If the relationship between the current line and the target line has gone from
146 0716      -1 to 1, or vice versa, without touching 0 in between, then the target line is
147 0717      not in the buffer.
148 0718      -
149 0719
150 0720      IF (.RELAT1 EQL .RELAT2) THEN EXITLOOP;
151 0721
152 0722      CASE .RELAT2 FROM -1 TO 1 OF
153 0723      SET
154 0724
155 0725      [-1] :      ! Move forward to find the line
156 0726
157 0727          IF ( NOT EDT$$RD_NXTLN () ) THEN RETURN (0);      ! Return if at end of buffer
158 0728
159 0729      [0] :      ! We are on the line, return success
160 0730      RETURN (1);
161 0731
162 0732      [1] :      ! Move backward to find the line
163 0733
164 0734          IF ( NOT EDT$$RD_PRVLN () ) THEN RETURN (0);      ! Return if at beginning of buffer
165 0735
166 0736      TES;
167 0737
168 0738      RELAT1 = -.RELAT2;      ! Remember previous relation
169 0739      END
170 0740      UNTIL 0;
171 0741
172 0742      + Make sure we are positioned on the line just larger than the (missing) target line.
173 0743      -
174 0744
175 0745
176 0746      IF (.RELAT2 EQL -1) THEN EDT$$RD_NXTLN ();
177 0747
178 0748      RETURN (0);
179 0749      END;

```

! of routine EDT\$\$LOC_LN

```

.TITLE EDT$WFLOCLIN EDT$WFLOCLIN - find a specified li
ne by number
.IDENT \V04-000\
.EXTRN EDT$$RD_PRVLN, EDT$$RD_NXTLN
.EXTRN EDT$$A_WK_LN
.PSECT _EDT$CODE, NOWRT, SHR, PIC, 2
.ENTRY EDT$$LOC_LN, Save R2, R3, R4 : 0658
MOVAB EDT$$RD_NXTLN, R4 : 0709
MOVL #2, RELAT1 : 0713
ADDL3 #1, EDT$$A_WK_LN, R0
ADDL3 #4, LINE_NUM, R1
CMPW 4(R0), (R1)
BGEQU 2$
MNEGL #1, RELAT2
BRB 6$

```

```

001C 00000
S4 00000000G 00 9E 00002
S3 02 D0 00009
50 00000000G 00 01 C1 0000C 1$:
S1 04 AC 04 C1 00014
61 04 A0 B1 00019
S2 05 1E 0001D
01 CE 0001F
19 11 00022

```

04	BC	11	12	00024	2\$:	BNEQ	4\$		
		60	D1	00026		CMPL	(R0), @LINE_NUM		
	50	05	1E	0002A		BGEQU	3\$		
		01	CE	0002C		MNEGL	#1, R0		
		09	11	0002F		BRB	5\$		
		04	12	00031	3\$:	BNEQ	4\$		
		50	D4	00033		CLRL	R0		
		03	11	00035		BRB	5\$		
	50	01	D0	00037	4\$:	MOV_	#1, R0		
	52	50	D0	0003A	5\$:	MOVL	R0, RELAT2		
	52	53	D1	0003L	6\$:	CMPL	RELAT1, RELAT2		0720
		26	13	00040		BEQL	12\$		
02	FFFFFFFF	8F	52	CF	0C042	CASEL	RELAT2, #-1, #2		0722
000F	000B	0006	0004	0004A	7\$:	.WORD	8\$-7\$,-		
							9\$-7\$,-		
							10\$-7\$		
	64	00	FB	00050	8\$:	CALLS	#0, EDT\$\$RD_NXTLN		0727
		08	11	00053		BRB	11\$		
	50	01	D0	00055	9\$:	MOVL	#1, R0		0730
			04	00058		RET			
00000000G	00	00	FB	00059	10\$:	CALLS	#0, EDT\$\$RD_PRVLN		0734
	11	50	E9	00060	11\$:	BLBC	R0, 13\$		
	53	52	CE	00063		MNEGL	RELAT2, RELAT1		0738
		A4	11	00066		BRB	1\$		0711
FFFFFFFF	8F	52	D1	00068	12\$:	CMPL	RELAT2, #-1		0746
		03	12	0006F		BNEQ	13\$		
	64	00	FB	00071		CALLS	#0, EDT\$\$RD_NXTLN		
		50	D4	00074	13\$:	CLRL	R0		0749
		04	00076			RET			

: Routine Size: 119 bytes, Routine Base: _EDT\$CODE + 0000

: 180 0750 1
: 181 0751 1 !<BLF/PAGE>

EDT\$WFLOCLIN
V04-000

EDT\$WFLOCLIN - find a specified line by number
EDT\$\$LOC_LN - find a specified line by number

C 10
16-Sep-1984 02:08:29
14-Sep-1984 12:25:34

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

Page 6

: 183
: 184
: 185

0752 1 END
0753 1
0754 0 ELUDOM

! of module EDT\$WFLOCLIN

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 119 NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Percent	Pages Mapped	Processing Time
	Total	Loaded			
_\$255\$DUA28:[EDT.SRC]EDT.L32:1	377	14	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\$:WFLOCLIN/OBJ=OBJ\$:WFLOCLIN MSRC\$:WFLOCLIN.BLI/UPDATE=(ENH\$:WFLO
(LIN)

: Size: 119 code + 0 data bytes
: Run Time: 00:12.3
: Elapsed Time: 00:16.3
: Lines/CPU Min: 3672
: Lexemes/CPU-Min: 11561
: Memory Used: 87 pages
: Compilation Complete

