


```
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 'EDTSRC: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 'EDTSRC: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 'EDTSS$LOC_LN - find a specified line by number'
.. 87 0657 1
.. 88 0658 1 GLOBAL ROUTINE EDTSS$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 EDTSSA_WK_LN
107 0677 1
108 0678 1 IMPLICIT OUTPUTS:
109 0679 1
110 0680 1 EDTSSA_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 1 BEGIN
124 0694 1
125 0695 1 EXTERNAL ROUTINE
126 0696 1 EDTSSRD_PRVLN,
127 0697 1 EDTSSRD_NXTLN;
128 0698 1
129 0699 1 EXTERNAL
130 0700 1 EDTSSA_WK_LN : REF LIN_BLOCK; ! Pointer to current line
131 0701 1
132 0702 1 MAP
133 0703 1 LINE_NUM : REF LN_BLOCK;
134 0704 1
135 0705 1 LOCAL
136 0706 1 RELAT1,
137 0707 1 RELAT2;
138 0708 1
139 0709 1 RELAT1 = 2; ! make sure no match first time
140 0710 1
141 0711 1 DO
142 0712 1 BEGIN
```

```

143 0713      RELAT2 = Cmplno (EDTSSA_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 EDTSSRD_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 EDTSSRD_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 EDTSSRD_NXTLN ();
177 0747
178 0748      RETURN (0);
179 0749      END;

```

! of routine EDTSS\$LOC_LN

.TITLE EDTSWFLOCLIN EDTSWFLOCLIN - find a specified li
ne by number

.IDENT \V04-000\

.EXTRN EDTSSRD_PRVLN, EDTSSRD_NXTLN
.EXTRN EDTSSA_WK_LN

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

```

.ENTRY EDTSS$LOC_LN, Save R2,R3,R4      : 0658
MOVAB EDTSSRD_NXTLN, R4
MOVL #2, RELAT1      : 0709
ADDL3 #1, EDTSSA_WK_LN, R0      : 0713
ADDL3 #4, LINE_NUM, R1
CMPW 4(R0), (R1)
BGEQU 2$
MNEGL #1, RELAT2
BRB 6$

```

```

001C 00000
54 00000000G 00 9E 00002
53 02 D0 00009
50 00000000G 00 01 C1 0000C 1$:
51 04 AC 04 C1 00014
61 04 A0 B1 00019
52 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\$:	MOVL	#1, R0	:	
	52	50	D0	0003A	5\$:	MOVL	R0, RELAT2	:	
	52	53	D1	0003D	6\$:	CMPL	RELAT1, RELAT2	:	0720
		26	13	00040		BEQL	12\$:	
02	FFFFFFFF	52	CF	00042		CASEL	RELAT2, #-1, #2	:	0722
000F	000B	0006		0004A	7\$:	.WORD	8\$-7\$,- 9\$-7\$,- 10\$-7\$:	
								:	
	64	00	FB	00050	8\$:	CALLS	#0, EDT\$\$RD_NXTLN	:	0727
		0B	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	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$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\$:WFLOCLIN)

: 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

