


```

WW      WW  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  SSSSSSSS
WW      WW  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  SSSSSSSS
WW      WW  FF          SS          TT          RR          RR  II      NN      NN  SS
WW      WW  FF          SS          TT          RR          RR  II      NN      NN  SS
WW      WW  FF          SS          TT          RR          RR  II      NNNN   NN  SS
WW      WW  FF          SS          TT          RR          RR  II      NNNN   NN  SS
WW      WW  FFFFFFFF  SSSSSS   TT          RRRRRRRR  II      NN  NN  NN  SSSSSS
WW      WW  FFFFFFFF  SSSSSS   TT          RRRRRRRR  II      NN  NN  NN  SSSSSS
WW  WW  WW  FF          SS          TT          RR  RR  II      NN      NNNN   SS
WW  WW  WW  FF          SS          TT          RR  RR  II      NN      NNNN   SS
WWWW  WWW  FF          SS          TT          RR  RR  RR  II      NN      NN  SS
WWWW  WWW  FF          SS          TT          RR  RR  RR  II      NN      NN  SS
WW      WW  FF          SSSSSSSS  TT          RR          RR  IIIIII  NN      NN  SSSSSSSS
WW      WW  FF          SSSSSSSS  TT          RR          RR  IIIIII  NN      NN  SSSSSSSS

```

```

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
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

```

1 0001 0 %TITLE 'EDT$WFSTRINS - start an INSERT operation'
2 0002 0 MODULE EDT$WFSTRINS ( ! Start an INSERT operation
3 0003 0 IDENT = 'V04-000' . File: WFSTRINS.BLI Edit: JBS1003
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 Start an INSERT operation.
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 EDT$$START_INS from module EDTWF.
46 0046 1 1-002 - Regularize headers. JBS 19-Mar-1981
47 0047 1 1-003 - Improve the appearance of the listing. JBS 20-Jun-1983
48 0048 1 --
49 0049 1

```

```

: 51      0050 1 %SBTTL 'Declarations'
: 52      0051 1
: 53      0052 1 : TABLE OF CONTENTS:
: 54      0053 1 :
: 55      0054 1
: 56      0055 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 57      0494 1
: 58      0495 1 FORWARD ROUTINE
: 59      0496 1     EDT$$START_INS : NOVALUE;
: 60      0497 1
: 61      0498 1 :
: 62      0499 1 : INCLUDE FILES:
: 63      0500 1 :
: 64      0501 1
: 65      0502 1 REQUIRE 'EDTSRC:EDTREQ';
: 66      0637 1
: 67      0638 1 :
: 68      0639 1 : MACROS:
: 69      0640 1
: 70      0641 1 :     NONE
: 71      0642 1
: 72      0643 1 : EQUATED SYMBOLS:
: 73      0644 1
: 74      0645 1 :     NONE
: 75      0646 1
: 76      0647 1 : OWN STORAGE:
: 77      0648 1
: 78      0649 1 :     NONE
: 79      0650 1
: 80      0651 1 : EXTERNAL REFERENCES:
: 81      0652 1
: 82      0653 1 :     In the routine

```

```
84 0654 1 %SBTTL 'EDT$$START_INS - start an INSERT operation'
85 0655 1
86 0656 1 GLOBAL ROUTINE EDT$$START_INS ! Start an INSERT operation
87 0657 1 : NOVALUE =
88 0658 1
89 0659 1 !++
90 0660 1 ! FUNCTIONAL DESCRIPTION:
91 0661 1
92 0662 1 ! This routine is called to start the insertion of text. The new lines
93 0663 1 ! will be inserted immediately before the current line. The insert
94 0664 1 ! count, EDT$$L_WK_INSCNT, is set to zero, and the numbers of the current and
95 0665 1 ! preceding lines are saved.
96 0666 1
97 0667 1 ! FORMAL PARAMETERS:
98 0668 1
99 0669 1 ! NONE
100 0670 1
101 0671 1 ! IMPLICIT INPUTS:
102 0672 1
103 0673 1 ! EDT$$A_WK_LN
104 0674 1 ! EDT$$L_WK_NXTLNO
105 0675 1 ! EDT$$L_WK_STARTNO
106 0676 1 ! EDT$$L_LNO_ZERO
107 0677 1
108 0678 1 ! IMPLICIT OUTPUTS:
109 0679 1
110 0680 1 ! EDT$$L_WK_INSCNT
111 0681 1
112 0682 1 ! ROUTINE VALUE:
113 0683 1
114 0684 1 ! NONE
115 0685 1
116 0686 1 ! SIDE EFFECTS:
117 0687 1
118 0688 1 ! NONE
119 0689 1
120 0690 1 ! --
121 0691 1
122 0692 2 ! BEGIN
123 0693 2
124 0694 2 ! EXTERNAL ROUTINE
125 0695 2 ! EDT$$RD_PRLVN,
126 0696 2 ! EDT$$RD_NXTLN;
127 0697 2
128 0698 2 ! EXTERNAL
129 0699 2 ! EDT$$L_WK_INSCNT : LN_BLOCK, ! The count of inserted lines
130 0700 2 ! EDT$$A_WK_LN : REF LN_BLOCK, ! Pointer to current line
131 0701 2 ! EDT$$L_WK_NXTLNO : LN_BLOCK, ! Line number following an insert
132 0702 2 ! EDT$$L_WK_STARTNO : LN_BLOCK, ! Line number of line preceding an insert
133 0703 2 ! EDT$$L_LNO_ZERO : LN_BLOCK;
134 0704 2
135 0705 2 !+
136 0706 2 ! Zero out the insert line counter
137 0707 2 !-
138 0708 2 ! MOVELINE (EDT$$L_LNO_ZERO, EDT$$L_WK_INSCNT);
139 0709 2 !+
140 0710 2 ! Save the current line number, bucket number, and line address
```

```

: 141      0711  2  !-
: 142      0712  2  !- MOVELINE (EDT$$A_WK_LN [LIN_NUM], EDT$$L_WK_NXTLNO);
: 143      0713  2  !+
: 144      0714  2  !- Find the previous line number.
: 145      0715  2  !-
: 146      0716  2  !-
: 147      0717  2  !- IF EDT$$RD_PRVLN (
: 148      0718  2  !- THEN
: 149      0719  2  !- BEGIN
: 150      0720  3  !- MOVELINE (EDT$$A_WK_LN [LIN_NUM], EDT$$L_WK_STARTNO);
: 151      0721  3  !- EDT$$RD_NXTLN (
: 152      0722  3  !- END
: 153      0723  2  !- ELSE
: 154      0724  2  !+
: 155      0725  2  !- Make the previous line number 0 if the insert is at the beginning of the buffer.
: 156      0726  2  !-
: 157      0727  3  !- MOVELINE (EDT$$L_LNO_ZERO, EDT$$L_WK_STARTNO)
: 158      0728  3  !-
: 159      0729  1  !- END;

```

! of routine EDT\$\$START_INS

```

.TITLE EDT$WFSTRINS EDT$WFSTRINS - start an INSERT operation
.IDENT \V04-000\
.EXTRN EDT$$RD_PRVLN, EDT$$RD_NXTLN
.EXTRN EDT$$L_WK_INSCNT
.EXTRN EDT$$A_WK_LN, EDT$$L_WK_NXTLNO
.EXTRN EDT$$L_WK_STARTNO
.EXTRN EDT$$L_LNO_ZERO

```

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

				01FC 00000	.ENTRY	EDT\$\$START_INS, Save R2,R3,R4,R5,R6,R7,R8	: 0656
		58	00000000G	00 9E 00002	MOVAB	EDT\$\$L_LNO_ZERO, R8	:
		57	00000000G	00 9E 00009	MOVAB	EDT\$\$L_WK_STARTNO, R7	:
		56	00000000G	00 9E 00010	MOVAB	EDT\$\$A_WK_LN, R6	:
00000000G	00	68		06 28 00017	MOV C3	#6, EDT\$\$L_LNO_ZERO, EDT\$\$L_WK_INSCNT	: 0708
		50		66 D0 0001F	MOVL	EDT\$\$A_WK_LN, R0	: 0712
00000000G	00	A0	01	06 28 00022	MOV C3	#6, 1(R0), EDT\$\$L_WK_NXTLNO	:
		00	00000000G	00 00 FB 0002B	CALLS	#0, EDT\$\$RD_PRVLN	: 0717
		10		50 E9 00032	BLBC	R0, 1\$:
		50		66 D0 00035	MOVL	EDT\$\$A_WK_LN, R0	: 0720
	67	A0	01	06 28 00038	MOV C3	#6, 1(R0), EDT\$\$L_WK_STARTNO	:
		00	00000000G	00 00 FB 0003D	CALLS	#0, EDT\$\$RD_NXTLN	: 0721
				04 00044	RET		:
	67	68		06 28 00045 1\$:	MOV C3	#6, EDT\$\$L_LNO_ZERO, EDT\$\$L_WK_STARTNO	: 0727
				04 00049	RET		: 0729

: Routine Size: 74 bytes, Routine Base: _EDT\$CODE + 0000

```

: 160      0730  1
: 161      0731  1 !<BLF/PAGE>

```

EDT\$WFSTRINS
V04-000

EDT\$WFSTRINS - start an INSERT operation
EDT\$\$START_INS - start an INSERT operation

J 16
16-Sep-1984 02:15:40
14-Sep-1984 12:25:45

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[EDT.SRC]WFSTRINS.BLI;1 (4) Page 5

: 163 0732 1 END
: 164 0733 1
: 165 0734 0 ELUDOM

! of module EDT\$WFSTRINS

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	74	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\$:WFSTRINS/OBJ=OBJ\$:WFSTRINS MSRC\$:WFSTRINS.BLI/UPDATE=(ENH\$:WFSTRINS)

Size: 74 code + 0 data bytes
 Run Time: 00:10.2
 Elapsed Time: 00:12.4
 Lines/CPU Min: 4330
 Lexemes/CPU-Min: 12483
 Memory Used: 64 pages
 Compilation Complete

0141 AH-BT13A-SE
VAX/VMS V4.0

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