



```
WW      WW      FFFFFFFFFF      RRRRRRRR      BBBB88888      UU      UU      KK      KK      TTTTTTTTTT
WW      WW      FFFFFFFFFF      RRRRRRRR      BBBB88888      UU      UU      KK      KK      TTTTTTTTTT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FFFFFFFF      RRRRRRRR      BBBB88888      UU      UU      KKKKKK      TT
WW      WW      FFFFFFFF      RRRRRRRR      BBBB88888      UU      UU      KKKKKK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WWW      WWW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WWW      WWW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BB      BB      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BBBB88888      UU      UU      KK      KK      TT
WW      WW      FF      RR      RR      BBBB88888      UU      UU      UU      UU      KK      KK      TT
                    TT
```

```
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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
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```

1 0001 0 %TITLE 'EDT$WFRBUKT - make a bucket current'
2 0002 0 MODULE EDT$WFRBUKT ( ! make a bucket the current bucket
3 0003 0 IDENT = 'V04-000' ! File: WFRBUKT.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 Make a specified bucket the current bucket.
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 READ_BUKT from module EDTWF.
46 0046 1 1-002 - regularize headers. JBS 19-Mar-1981
47 0047 1 1-003 - Modify to use EDT$WORKIO. STS 15-Feb-1982
48 0048 1 1-004 - Add literals for callable parameters. STS 08-Mar-1982
49 0049 1 1-005 - Improve the appearance of the listing. 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$SRC:TRAROUNAM';  
59 0496 1  
60 0497 1 FORWARD ROUTINE  
61 0498 1 EDT$WF_MAKECUR : NOVALUE;  
62 0499 1  
63 0500 1  
64 0501 1 INCLUDE FILES:  
65 0502 1  
66 0503 1  
67 0504 1 REQUIRE 'EDT$SRC:EDTREQ';  
68 0639 1  
69 L 0640 1 %IF %BLISS (BLISS32)  
70 0641 1 %THEN  
71 0642 1  
72 0643 1 REQUIRE 'EDT$SRC:SYSSYM';  
73 0673 1  
74 0674 1 %FI  
75 0675 1  
76 0676 1  
77 0677 1 MACROS:  
78 0678 1  
79 0679 1 NONE  
80 0680 1  
81 0681 1 EQUATED SYMBOLS:  
82 0682 1  
83 0683 1  
84 0684 1 EXTERNAL LITERAL  
85 0685 1 EDT$K_PUT,  
86 0686 1 EDT$K_GET;  
87 0687 1  
88 0688 1  
89 0689 1 OWN STORAGE:  
90 0690 1  
91 0691 1 NONE  
92 0692 1  
93 0693 1 EXTERNAL REFERENCES:  
94 0694 1  
95 0695 1 In the routine
```

```

 97 0696 1 %SBTTL 'EDT$$WF_MAKECUR - make a bucket current'
 98 0697 1
 99 0698 1 GLOBAL ROUTINE EDT$$WF_MAKECUR (           ! Make a specified bucket the current bucket
100 0699 1     BUKT_NUM                               ! Number of the bucket to make current
101 0700 1     ) : NOVALUE =
102 0701 1
103 0702 1 !++
104 0703 1 ! FUNCTIONAL DESCRIPTION:
105 0704 1
106 0705 1     This routine insures that the bucket number passed as a parameter is the
107 0706 1     current bucket.  If it is not already the current bucket then return the
108 0707 1     current bucket to the cache (marking it as modified if necessary) and
109 0708 1     make the new bucket current by bringing it into the cache if necessary.
110 0709 1
111 0710 1 FORMAL PARAMETERS:
112 0711 1
113 0712 1     BUKT_NUM             the number of the bucket to read.
114 0713 1
115 0714 1 IMPLICIT INPUTS:
116 0715 1
117 0716 1     EDT$$Z_WF_DESC
118 0717 1     EDT$$A_WK_BUK
119 0718 1     EDT$$G_WK_CURBUK
120 0719 1     EDT$$G_WK_MODFD
121 0720 1
122 0721 1 IMPLICIT OUTPUTS:
123 0722 1
124 0723 1     EDT$$Z_WF_DESC
125 0724 1     EDT$$A_WK_BUK
126 0725 1     EDT$$G_WK_CURBUK
127 0726 1     EDT$$G_WK_MODFD
128 0727 1
129 0728 1 ROUTINE VALUE:
130 0729 1
131 0730 1     NONE
132 0731 1
133 0732 1 SIDE EFFECTS:
134 0733 1
135 0734 1     May write and read the work file, especially if the cache is small.
136 0735 1
137 0736 1 --
138 0737 1
139 0738 2 BEGIN
140 0739 2
141 0740 2 EXTERNAL ROUTINE
142 0741 2     EDT$$CALLWIO;
143 0742 2
144 0743 2 EXTERNAL
145 0744 2     EDT$$Z_WF_DESC : BLOCK [, BYTE],           ! descriptor for workfile record
146 0745 2     EDT$$A_WK_BUK :                           ! Pointer to current bucket
147 0746 2     REF BLOCK [WF_BUKT_SIZE, BYTE] FIELD (WFB_FIELDS),
148 0747 2     EDT$$G_WK_CURBUK,                           ! Number of the current bucket
149 0748 2     EDT$$G_WK_MODFD;                           ! Flag indicating bucket was modified
150 0749 2
151 0750 2 !++
152 0751 2 ! Do not read if we are reading the current bucket
153 0752 2 !-
```

```

154 0753 2
155 0754 IF (.EDT$$G_WK_CURBUK NEQ .BUKT_NUM)
156 0755 THEN
157 0756 BEGIN
158 0757
159 0758 + Mark the current bucket as modified, if it has been.
160 0759 -
161 0760
162 0761 IF .EDT$$G_WK_MODFD THEN EDT$$CALLWIO (EDT$K_PUT, .EDT$$G_WK_CURBUK, EDT$$Z_WF_DESC);
163 0762
164 0763 +
165 0764 - Read the new bucket, possibly from the cache.
166 0765
167 0766 EDT$$G_WK_CURBUK = .BUKT_NUM;
168 0767 EDT$$CALLWIO (EDT$K_GET, .EDT$$G_WK_CURBUK, EDT$$Z_WF_DESC);
169 0768 EDT$$A_WK_BUK = .EDT$$Z_WF_DESC [DSC$A_POINTER]; ! get address of record
170 0769 +
171 0770 - The new bucket has not yet been modified.
172 0771
173 0772 EDT$$G_WK_MODFD = 0;
174 0773 END;
175 0774
176 0775 1 END;

```

! of routine EDT\$\$WF\_MAKECUR

.TITLE EDT\$WFRBUKT EDT\$WFRBUKT - make a bucket current  
.IDENT \V04-000\

.EXTRN EDT\$K\_PUT, EDT\$K\_GET  
.EXTRN EDT\$\$CALLWIO, EDT\$\$Z\_WF\_DESC  
.EXTRN EDT\$\$A\_WK\_BUK, EDT\$\$G\_WK\_CURBUK  
.EXTRN EDT\$\$G\_WK\_MODFD

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

			003C 00000	.ENTRY EDT\$\$WF_MAKECUR, Save R2,R3,R4,R5	: 0698
	55	00000000G	00 9E 00002	MOVAB EDT\$\$CALLWIO, R5	
	54	00000000G	00 9E 00009	MOVAB EDT\$\$G_WK_MODFD, R4	
	53	00000000G	00 9E 00010	MOVAB EDT\$\$G_WK_CURBUK, R3	
	52	00000000G	00 9E 00017	MOVAB EDT\$\$Z_WF_DESC, R2	
	50		63 D0 0001E	MOVL EDT\$\$G_WK_CURBUK, R0	: 0754
04	AC		50 D1 00021	CMLP R0, BURT_NUM	
			29 13 00025	BEQL 2\$	
	0B		64 E9 00027	BLBC EDT\$\$G_WK_MODFD, 1\$	: 0761
			05 BB 0002A	PUSHR #^M<R0,R2\$	
		00000000G	8F DD 0002C	PUSHL #EDT\$K_PUT	
	65		03 FB 00032	CALLS #3, EDT\$\$CALLWIO	
	63	04	AC D0 00035 1\$:	MOVL BUKT_NUM, EDT\$\$G_WK_CURBUK	: 0766
			52 DD 00039	PUSHL R2	: 0767
			63 DD 0003B	PUSHL EDT\$\$G_WK_CURBUK	
		00000000G	8F DD 0003D	PUSHL #EDT\$K_GET	
	65		03 FB 00043	CALLS #3, EDT\$\$CALLWIO	
	00000000G	00	04 A2 D0 00046	MOVL EDT\$\$Z_WF_DESC+4, EDT\$\$A_WK_BUK	: 0768
			64 D4 0004E	CLRL EDT\$\$G_WK_MODFD	: 0772
			04 00050 2\$:	RET	: 0775

; Routine Size: 81 bytes, Routine Base: \_EDT\$CODE + 0000

EDTSWFRBUKT  
V04-000

EDTSWFRBUKT - make a bucket current  
EDTSWF\_MAKECUR - make a bucket current

0 11  
~~10-Sep-1984~~ 02:09:32  
14-Sep-1984 12:25:38

VAX-11 Bliss-32 V4-0-742  
DISK\$VMSMASTER:[ED\$.SRC]WFRBUKT.BLI;1 Page 5 (3)

EDT  
V04

: 177  
: 178

0776 1  
0777 1 !<B\_LF/PAGE>

.....

000

: R

...

EDT\$WFRBUKT  
V04-000

EDT\$WFRBUKT - make a bucket current  
EDT\$SWF\_MAKECUR - make a bucket current

C 11  
16-Sep-1984 02:09:32  
14-Sep-1984 12:25:38

VAX-11 Bliss-32 V4.0-742  
DISK\$VM\$MASTER:[EDT.SRC]WFRBUKT.BLI;1 (4) Page 6

EDT  
V04

: 180  
: 181  
: 182

0778 1 END  
0779 1  
0780 0 ELUDOM

! of module EDT\$WFRBUKT

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	81	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
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:04.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:WFRBUKT/OBJ=OBJ\$:WFRBUKT MSRC\$:WFRBUKT.BLI/UPDATE=(ENH\$:WFRBUKT)

: Size: 81 code + 0 data bytes  
: Run Time: 00:15.7  
: Elapsed Time: 00:22.7  
: Lines/CPU Min: 2984  
: Lexemes/CPU-Min: 7695  
: Memory Used: 76 pages  
: Compilation Complete

S  
R  
J  
E  
C



