```
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEEEEEEEEEE        DDD      DDD            TTT
EEEEEEEEEEE        DDD      DDD            TTT
EEEEEEEEEEE        DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEE                DDD      DDD            TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
```

```
WW      WW  FFFFFFFFFF  RRRRRRR   BBBBBBBB   UU      UU  KK      KK  TTTTTTTTTT
WW      WW  FFFFFFFFFF  RRRRRRR   BBBBBBBB   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         UU      UU  KK KK           TT
WW      WW  FFFFFFFF    RRRRRRR   BBBBBBBB   UU      UU  KKKKKK          TT
WW      WW  FFFFFFFF    RRRRRRR   BBBBBBBB   UU      UU  KKKKKK          TT
WW  WW  WW  FF          RR  RR    BB     BB  UU      UU  KK KK           TT
WW  WW  WW  FF          RR  RR    BB     BB  UU      UU  KK KK           TT
WWW WWWW    FF          RR   RR   BB     BB  UU      UU  KK    KK        TT
WWW WWWW    FF          RR   RR   BB     BB  UU      UU  KK    KK        TT
WW      WW  FF          RR    RR  BBBBBBBB   UUUUUUUUUU  KK      KK      TT
WW      WW  FF          RR    RR  BBBBBBBB   UUUUUUUUUU  KK      KK      TT
```

```
LL              IIIIII    SSSSSSSS
LL              IIIIII    SSSSSSSS
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
```

```
0001  0  %TITLE 'EDT$WFRBUKT - make a bucket current'
0002  0  MODULE EDT$WFRBUKT (                                  ! make a bucket the current bucket
0003  0                 IDENT = 'V04-000'                      ! File: WFRBUKT.BLI Edit: JBS1005
0004  0                 ) =
0005  1  BEGIN
0006  1  !
0007  1  !****************************************************************
0008  1  !*                                                              *
0009  1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                    *
0010  1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.     *
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0023  1  !*                                                              *
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0025  1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.    *
0026  1  !*                                                              *
0027  1  !*                                                              *
0028  1  !****************************************************************
0029  1  !
0030  1  !
0031  1  !++
0032  1  ! FACILITY:     EDT -- The DEC Standard Editor
0033  1  !
0034  1  ! ABSTRACT:
0035  1  !
0036  1  !      Make a specified bucket the current bucket.
0037  1  !
0038  1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
0039  1  !
0040  1  ! AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978
0041  1  !
0042  1  ! MODIFIED BY:
0043  1  !
0044  1  ! 1-001 - Original.  DJS 23-Feb-1981.  This module was created by
0045  1  !         extracting routine READ_BUKT from module EDTWF.
0046  1  ! 1-002 - regularize headers.   JBS 19-Mar-1981
0047  1  ! 1-003 - Modify to use EDT$WORKIO. STS 15-Feb-1982
0048  1  ! 1-004 - Add literals for callable parameters. STS 08-Mar-1982
0049  1  ! 1-005 - Improve the appearance of the listing.  JBS 20-Jun-1983
0050  1  !--
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$$WF_MAKECUR : NOVALUE;
   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      L 0640   1 %IF %BLISS (BLISS32)
   70        0641   1 %THEN
   71        0642   1
   72        0643   1 REQUIRE 'EDTSRC: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   !-
```

EDT$WFRBUKT   EDT$WFRBUKT - make a bucket current   N 10
V04-000   EDT$$WF_MAKECUR - make a bucket current   16-Sep-1984 02:09:32   VAX-11 Bliss-32 V4.0-742   Page 4
                                                                  14-Sep-1984 12:25:38   DISK$VMSMASTER:[EDT.SRC]WFRBUKT.BLI;1 (3)

```
  154      0753  2
  155      0754  3          IF (.EDT$$G_WK_CURBUK NEQ .BUKT_NUM)
  156      0755  2          THEN
  157      0756  3              BEGIN
  158      0757  3!+
  159      0758  ! Mark the current bucket as modified, if it has been.
  160      0759  !-
  161      0760  3
  162      0761  3              IF .EDT$$G_WK_MODFD THEN EDT$$CALLWIO (EDT$K_PUT, .EDT$$G_WK_CURBUK, EDT$$Z_WF_DESC);
  163      0762  3
  164      0763  3!+
  165      0764  ! Read the new bucket, possibly from the cache.
  166      0765  !-
  167      0766  3              EDT$$G_WK_CURBUK = .BUKT_NUM;
  168      0767  3              EDT$$CALLWIO (EDT$K_GET, .EDT$$G_WK_CURBUK, EDT$$Z_WF_DESC);
  169      0768  3              EDT$$A_WK_BUK = .EDT$$Z_WF_DESC [DSC$A_POINTER];        ! get address of record
  170      0769  3!+
  171      0770  ! The new bucket has not yet been modified.
  172      0771  !-
  173      0772  3              EDT$$G_WK_MODFD = 0;
  174      0773  2              END;
  175      0774  2
  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_WR_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        CMPL    R0, BUKT_NUM
                 29      13 00025            BEQL    2$
        0B       64      E9 00027            BLBC    EDT$$G_WK_MODFD, 1$                         : 0761
        05      BB 0002A                     PUSHR   #^M<R0,R25
        00000000G  8F  DD 0002C              PUSHL   #EDT$K_PUT
        65           03  FB 00032            CALLS   #3, EDT$$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
```

EDT$WFRBUKT   EDT$WFRBUKT - make a bucket current   B 11
V04-000   EDT$$WF_MAKECUR - make a bucket current   16-Sep-1984 02:09:32   VAX-11 Bliss-32 V4.0-742   Page 5
                                                                           14-Sep-1984 12:25:38   DISK$VMSMASTER:[EDT.SRC]WFRBUKT.BLI;1   (3)

```
; 177           0776 1
; 178           0777 1 !<BLF/PAGE>
```

```
;  180         0778  1 END                                       ! of module EDT$WFRBUKT
;  181         0779  1
;  182         0780  0 ELUDOM
```

```
;
;                        PSECT SUMMARY
;
;         Name                    Bytes                        Attributes
;
;   _EDT$CODE                       81  NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
```

```
;
;                        Library Statistics
;
;                                    -------- Symbols --------    Pages      Processing
;         File                       Total  Loaded   Percent    Mapped      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
```

VMSMSG
LIS

WFCOPLIN
LIS

USSTRING
LIS

WFSCOPY
LIS

WFDELLIN
LIS

WFGETBKT
LIS

WFOPNBUF
LIS

WFREABCK
LIS

WFREAFWD
LIS

WFSTRINS
LIS

WFAPPBKT
LIS

WFSNDINS
LIS

WFRESSO
LIS

USBUFFER
LIS

WFCLEAR
LIS

USSUBS
LIS

WFDELBKT
LIS

WFSPLBKT
LIS

WFLOCLIN
LIS

WFRBUKT
LIS

WFINSLIN
LIS

WFREACUR
LIS

WFREAINP
LIS

WFTOP
LIS

WFREPLIN
LIS

WFBOTTOM
LIS

WFECOPY
LIS