```
EEEEEEEEEEEEEEE  DDDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEEEEEEEEEEE     DDD         DDD       TTT
EEEEEEEEEEEE     DDD         DDD       TTT
EEEEEEEEEEEE     DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEE              DDD         DDD       TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDD          TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
```

```
WW      WW  FFFFFFFFFF    CCCCCCCC  LL          EEEEEEEEEE    AAAAAA    RRRRRRRR
WW      WW  FFFFFFFFFF    CCCCCCCC  LL          EEEEEEEEEE    AAAAAA    RRRRRRRR
WW      WW  FF          CC          LL          EE          AA      AA  RR      RR
WW      WW  FF          CC          LL          EE          AA      AA  RR      RR
WW      WW  FF          CC          LL          EE          AA      AA  RR      RR
WW      WW  FF          CC          LL          EE          AA      AA  RR      RR
WW      WW  FFFFFFFF    CC          LL          EEEEEEEE    AA      AA  RRRRRRRR
WW      WW  FFFFFFFF    CC          LL          EEEEEEEE    AA      AA  RRRRRRRR
WW  WW  WW  FF          CC          LL          EE          AAAAAAAAAA  RR  RR
WW  WW  WW  FF          CC          LL          EE          AAAAAAAAAA  RR  RR
WWWW  WWWW  FF          CC          LL          EE          AA      AA  RR    RR        ....
WWWW  WWWW  FF          CC          LL          EE          AA      AA  RR    RR        ....
WW      WW  FF            CCCCCCCC  LLLLLLLLLL  EEEEEEEEEE  AA      AA  RR      RR      ....
WW      WW  FF            CCCCCCCC  LLLLLLLLLL  EEEEEEEEEE  AA      AA  RR      RR      ....

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$WFCLEAR - empty the current buffer'
;  2     0002  0 MODULE EDT$WFCLEAR (                            ! Empty the current buffer
;  3     0003  0                     IDENT = 'V04-000'                   ! File: WFCLEAR.BLI Edit: JBS1003
;  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                                  *
; 10     0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                    *
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; 19     0019  1 !*                                                                           *
; 20     0020  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
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; 23     0023  1 !*                                                                           *
; 24     0024  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
; 25     0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
; 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 !       Empty the current buffer.
; 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$$WF_CLRBUF  from module EDTWF.
; 46     0046  1 ! 1-002 - Regularize headers.  JBS 16-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$$WF_CLRBUF : 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$$WF_CLRBUF  - empty the current buffer'
;    85          0655  1
;    86          0656  1 GLOBAL ROUTINE EDT$$WF_CLRBUF                    . Empty the current buffer
;    87          0657  1     : NOVALUE =
;    88          0658  1
;    89          0659  1 !++
;    90          0660  1 ! FUNCTIONAL DESCRIPTION:
;    91          0661  1 !
;    92          0662  1 !       Clear the entire current buffer.  The first bucket of the buffer is
;    93          0663  1 !       updated to be empty, and, if there is more than one, the rest of the
;    94          0664  1 !       bucket is placed on the available bucket list.  Note that since the
;    95          0665  1 !       buckets are already linked together, we need only link the last bucket
;    96          0666  1 !       in the buffer to the current available bucket, then make avail the
;    97          0667  1 !       first bucket we are releasing.
;    98          0668  1 !
;    99          0669  1 ! FORMAL PARAMETERS:
;   100          0670  1 !
;   101          0671  1 !       NONE
;   102          0672  1 !
;   103          0673  1 ! IMPLICIT INPUTS:
;   104          0674  1 !
;   105          0675  1 !       EDT$$A_CUR_BUF
;   106          0676  1 !       EDT$$G_WK_AVAIL
;   107          0677  1 !       EDT$$A_WK_BUK
;   108          0678  1 !       EDT$$G_WK_CURBUK
;   109          0679  1 !       EDT$$L_LNO_ZERO
;   110          0680  1 !
;   111          0681  1 ! IMPLICIT OUTPUTS:
;   112          0682  1 !
;   113          0683  1 !       EDT$$G_WK_AVAIL
;   114          0684  1 !       EDT$$A_WK_BUK
;   115          0685  1 !       EDT$$A_CUR_BUF
;   116          0686  1 !       EDT$$G_WK_MODFD
;   117          0687  1 !
;   118          0688  1 ! ROUTINE VALUE:
;   119          0689  1 !
;   120          0690  1 !       NONE
;   121          0691  1 !
;   122          0692  1 ! SIDE EFFECTS:
;   123          0693  1 !
;   124          0694  1 !       NONE
;   125          0695  1 !
;   126          0696  1 !--
;   127          0697  1
;   128          0698  2     BEGIN
;   129          0699  2
;   130          0700  2     EXTERNAL ROUTINE
;   131          0701  2         EDT$$WF_BOT : NOVALUE,
;   132          0702  2         EDT$$TOP_BUF : NOVALUE;
;   133          0703  2
;   134          0704  2     EXTERNAL
;   135          0705  2         EDT$$A_CUR_BUF : REF TBCB_BLOCK,        ! Current text buffer control block
;   136          0706  2         EDT$$G_WK_AVAIL,                        ! Pointer to next available deleted bucket
;   137          0707  2         EDT$$A_WK_BUK :                         ! Pointer to current bucket
;   138          0708  2             REF BLOCK [WF_BUKT_SIZE, BYTE] FIELD (WFB_FIELDS),
;   139          0709  2         EDT$$G_WK_CURBUK,                       ! Number of the current bucket
;   140          0710  2         EDT$$G_WK_MODFD,                        ! Flag indicating bucket was modified
```

```
;  141          0711  2          EDT$$L_LNO_ZERO : LN_BLOCK;
;  142          0712  2
;  143          0713  2      EDT$$TOP_BUF ();
;  144          0714  2  !+
;  145          0715  2  ! Release remaining buckets if there are more than one.
;  146          0716  2  !-
;  147          0717  2
;  148          0718  3      IF (.EDT$$A_WK_BUK [WFB_NEXT_BUKT] NEQ 0)
;  149          0719  2      THEN
;  150          0720  3          BEGIN
;  151          0721  3          EDT$$WF_BOT ();
;  152          0722  3          EDT$$A_WK_BUK [WFB_NEXT_BUKT] = .EDT$$G_WK_AVAIL;
;  153          0723  3          EDT$$G_WK_MODFD = T;
;  154          0724  3          EDT$$TOP_BUF ();
;  155          0725  3          EDT$$G_WK_AVAIL = .EDT$$A_WK_BUK [WFB_NEXT_BUKT];
;  156          0726  2          END;
;  157          0727  2
;  158          0728  2      EDT$$A_CUR_BUF [TBCB_LINE_ADDR] = WFB_FIXED_SIZE;
;  159          0729  2      EDT$$A_WK_BUK [WFB_END] = WFB_FIXED_SIZE;
;  160          0730  2      EDT$$A_WK_BUK [WFB_NEXT_BUKT] = 0;
;  161          0731  2      EDT$$G_WK_MODFD = T;
;  162          0732  2      MOVELINE (EDT$$L_LNO_ZERO, EDT$$A_CUR_BUF [TBCB_LINE_COUNT]);
;  163          0733  2      EDT$$A_CUR_BUF [TBCB_CHAR_COUNT] = 0;
;  164          0734  2      EDT$$A_CUR_BUF [TBCB_LAST_BUKT] = .EDT$$G_WK_CURBUK;
;  165          0735  1      END;                                    ! of routine EDT$$WF_CLRBUF

                                                .TITLE  EDT$WFCLEAR EDT$WFCLEAR - empty the current buf
;                                                       fer
                                                .IDENT  \V04-000\

                                                .EXTRN  EDT$$WF_BOT, EDT$$TOP_BUF
                                                .EXTRN  EDT$$A_CUR_BUF, EDT$$G_WK_AVAIL
                                                .EXTRN  EDT$$A_WK_BUK, EDT$$G_WK_CURBUK
                                                .EXTRN  EDT$$G_WK_MODFD
                                                .EXTRN  EDT$$L_LNO_ZERO

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

                                    07FC 00000          .ENTRY  EDT$$WF_CLRBUF, Save R2,R3,R4,R5,R6,R7,R8,- ; 0656
                                                                R9,R10
                                5A 00000000G   00   9E 00002          MOVAB   EDT$$TOP_BUF, R10                   ;
                                59 00000000G   00   9E 00009          MOVAB   EDT$$G_WK_MODFD, R9                 ;
                                58 00000000G   00   9E 00010          MOVAB   EDT$$G_WK_AVAIL, R8                 ;
                                57 00000000G   00   9E 00017          MOVAB   EDT$$A_WK_BUK, R7                   ;
                                6A                  FB 0001E          CALLS   #0, EDT$$TOP_BUF                    ; 0713
                                50                  D0 00021          MOVL    EDT$$A_WK_BUK, R0                   ; 0718
                                          02        A0 00024          TSTW    2(R0)                               ;
                                                    13 00027          BEQL    1$                                  ;
                        00000000G 00                FB 00029          CALLS   #0, EDT$$WF_BOT                     ; 0721
                                50                  D0 00030          MOVL    EDT$$A_WK_BUK, R0                   ; 0722
                              02 A0                 B0 00033          MOVW    EDT$$G_WK_AVAIL, 2(R0)              ;
                                69                  D0 00037          MOVL    #1, EDT$$G_WK_MODFD                 ; 0723
                                6A                  FB 0003A          CALLS   #0, EDT$$TOP_BUF                    ; 0724
                                50                  D0 0003D          MOVL    EDT$$A_WK_BUK, R0                   ; 0725
                                68          02      A0 00040          MOVZWL  2(R0), EDT$$G_WK_AVAIL              ;
                                56 00000000G   00   D0 00044 1$:      MOVL    EDT$$A_CUR_BUF, R6                  ; 0728
```

```
                                66           08  D0 0004B        MOVL    #8, (R6)                              ;
                                50           67  D0 0004E        MOVL    EDT$$A_WK_BUK, R0                     ; 0729
                          04    A0           08  D0 00051        MOVL    #8, 4(R0)                             ;
                                      02     A0  B4 00055        CLRW    2(R0)                                 ; 0730
                                69           01  D0 00058        MOVL    #1, EDT$$G_WK_MODFD                   ; 0731
                18   A6 00000000G 00         06  28 0005B        MOVC3   #6, EDT$$L_LNO_ZERO, 24(R6)           ; 0732
                                      1E     A6  D4 00064        CLRL    30(R6)                                ; 0733
                          10    A6 00000000G 00  B0 00067        MOVW    EDT$$G_WK_CURBUK, 16(R6)              ; 0734
                                                 04 0006F        RET                                           ; 0735

; Routine Size:  112 bytes,    Routine Base:  _EDT$CODE + 0000


;  166          0736  1
;  167          0737  1 !<BLF/PAGE>
```

```
;  169          0738  1 END                                   ! of module EDT$WFCLEAR
;  170          0739  1
;  171          0740  0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_EDT$CODE	112	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols Total	Symbols Loaded	Symbols Percent	Pages Mapped	Processing Time
_255DUA28:[EDT.SRC]EDT.L32;1	377	37	9	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

```
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:WFCLEA  OBJ=OBJ$:WFCLEAR MSRC$:WFCLEAR.BLI/UPDATE=(ENH$:WFCLEAR
;       )

; Size:         112 code + 0 data bytes
; Run Time:        00:11.5
; Elapsed Time:    00:16.1
; Lines/CPU Min:    3877
; Lexemes/CPU-Min: 11937
; Memory Used:  74 pages
; Compilation Complete
```

VMSMSG LIS

WFCOPLIN LIS

USSTRING LIS

WFSCOPY LIS

WFDELLIN LIS

WFGETBKT LIS

WFOPNBUF LIS

WFREABCK LIS

WFREAFWD LIS

WFSTRING LIS

WFAPPBKT LIS

UGBUFFER 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