```
EEEEEEEEEEEEEEEE   DDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD     TTTTTTTTTTTTTTT
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
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
```

FILEID**FPUTCHAR

```
FFFFFFFFFF   PPPPPPPP    UU      UU   TTTTTTTTTT   CCCCCCCC   HH      HH     AAAAAA     RRRRRRRR
FFFFFFFFFF   PPPPPPPP    UU      UU   TTTTTTTTTT   CCCCCCCC   HH      HH     AAAAAA     RRRRRRRR
FF           PP      PP  UU      UU       TT      CC          HH      HH   AA      AA   RR      RR
FF           PP      PP  UU      UU       TT      CC          HH      HH   AA      AA   RR      RR
FF           PP      PP  UU      UU       TT      CC          HH      HH   AA      AA   RR      RR
FFFFFFFF     PPPPPPPP    UU      UU       TT      CC          HHHHHHHHHH   AA      AA   RRRRRRRR
FFFFFFFF     PPPPPPPP    UU      UU       TT      CC          HHHHHHHHHH   AA      AA   RRRRRRRR
FF           PP          UU      UU       TT      CC          HH      HH   AAAAAAAAAA   RR  RR
FF           PP          UU      UU       TT      CC          HH      HH   AAAAAAAAAA   RR  RR
FF           PP          UU      UU       TT      CC          HH      HH   AA      AA   RR      RR
FF           PP          UU      UU       TT      CC          HH      HH   AA      AA   RR      RR
FF           PP          UUUUUUUUUU       TT       CCCCCCCC   HH      HH   AA      AA   RR      RR
FF           PP          UUUUUUUUUU       TT       CCCCCCCC   HH      HH   AA      AA   RR      RR

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
LLLLLLLLL    IIIIII      SSSSSSSS
LLLLLLLLL    IIIIII      SSSSSSSS
```

K 4

EDT$FPUTCHAR - store a character in the format   16-Sep-1984 00:28:45   VAX-11 Bliss-32 V4.0-742   Page   1
                                                  14-Sep-1984 12:23:12   DISK$VMSMASTER:[EDT.SRC]FPUTCHAR.BLI;1   (1)

```
    1    0001    0   %TITLE 'EDT$FPUTCHAR - store a character in the format buffer'
    2    0002    0   MODULE EDT$FPUTCHAR (                               ! Store a character in the format buffer
    3    0003    0                   IDENT = 'V04-000'                   ! File: FPUTCHAR.BLI Edit: JBS1004
    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.                 *
   11    0011    1   !*   ALL RIGHTS RESERVED.                                                   *
   12    0012    1   !*                                                                          *
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   14    0014    1   !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
   15    0015    1   !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
   16    0016    1   !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
   17    0017    1   !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
   18    0018    1   !*   TRANSFERRED.                                                           *
   19    0019    1   !*                                                                          *
   20    0020    1   !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   21    0021    1   !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   22    0022    1   !*   CORPORATION.                                                           *
   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   !       Store a character in the format buffer.  Write out the buffer
   37    0037    1   !       if it overflows.
   38    0038    1   !
   39    0039    1   ! ENVIRONMENT:  Runs at any access mode - AST reentrant
   40    0040    1   !
   41    0041    1   ! AUTHOR: Bob Kushlis, CREATION DATE: March 18, 1979
   42    0042    1   !
   43    0043    1   ! MODIFIED BY:
   44    0044    1   !
   45    0045    1   ! 1-001 - Original.  DJS 19-FEB-1981.  This module was created by
   46    0046    1   !       extracting routine EDT$$PUT_CH  from module FORMAT.
   47    0047    1   ! 1-002 - Regularize headers.  JBS 05-Mar-1981
   48    0048    1   ! 1-003 - Use EDT$$K_FMT_BUFLEN.  JBS 29-Sep-1982
   49    0049    1   ! 1-004 - Fix a local symbol name.  JBS 04-Jan-1983
   50    0050    1   !--
   51    0051    1
```

L 4

EDT$FPUTCHAR   EDT$FPUTCHAR - store a character in the format   16-Sep-1984 00:28:45   VAX-11 Bliss-32 V4.0-742   Page   2
V04-000   Declarations   14-Sep-1984 12:23:12   DISK$VMSMASTER:[EDT.SRC]FPUTCHAR.BLI;1   (2)

```
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  FORWARD ROUTINE
60    0497  1      EDT$$STORE_FMTCH : NOVALUE;
61    0498  1
62    0499  1  !
63    0500  1  ! INCLUDE FILES:
64    0501  1  !
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 'EDT$$STORE_FMTCH  - store a character in the format buffer'
  87      0657  1
  88      0658  1  GLOBAL ROUTINE EDT$$STORE_FMTCH (                        ! Store a character in the format buffer
  89      0659  1      C                                                   ! The character to store
  90      0660  1      ) : NOVALUE =
  91      0661  1
  92      0662  1  !++
  93      0663  1  ! FUNCTIONAL DESCRIPTION:
  94      0664  1  !
  95      0665  1  !     Place a character in the formatted output buffer.  If the pointer is at the
  96      0666  1  !     end of the buffer then write out the line and start over again.
  97      0667  1  !
  98      0668  1  ! FORMAL PARAMETERS:
  99      0669  1  !
 100      0670  1  !   C                   The character to put out.
 101      0671  1  !
 102      0672  1  ! IMPLICIT INPUTS:
 103      0673  1  !
 104      0674  1  !     EDT$$T_FMT_BUF
 105      0675  1  !     EDT$$A_FMT_CUR
 106      0676  1  !     EDT$$G_FMT_LNPOS
 107      0677  1  !
 108      0678  1  ! IMPLICIT OUTPUTS:
 109      0679  1  !
 110      0680  1  !     NONE
 111      0681  1  !
 112      0682  1  ! ROUTINE VALUE:
 113      0683  1  !
 114      0684  1  !     NONE
 115      0685  1  !
 116      0686  1  ! SIDE EFFECTS:
 117      0687  1  !
 118      0688  1  !     NONE
 119      0689  1  !
 120      0690  1  !--
 121      0691  1
 122      0692  2      BEGIN
 123      0693  2
 124      0694  2      EXTERNAL ROUTINE
 125      0695  2          EDT$$OUT_FMTBUF;
 126      0696  2
 127      0697  2      EXTERNAL
 128      0698  2          EDT$$T_FMT_BUF : BLOCK [CH$ALLOCATION (EDT$$K_FMT_BUFLEN)],      ! The formatted output buffer
 129      0699  2          EDT$$A_FMT_CUR,                                 ! Pointer to next character in above
 130      0700  2          EDT$$G_FMT_LNPOS;                               ! The current column number
 131      0701  2
 132      0702  2      LOCAL
 133      0703  2          SAV_LNPOS;
 134      0704  2
 135      0705  2      BIND
 136      0706  2          END_BUF = CH$PTR (EDT$$T_FMT_BUF, EDT$$K_FMT_BUFLEN);   ! Pointer to end of format buffer
 137      0707  2
 138      0708  2  !+
 139      0709  2  ! Check for end of buffer.
 140      0710  2  !-
 141      0711  3
 142      0712  3      IF CH$PTR_EQL (END_BUF, .EDT$$A_FMT_CUR)
```

EDT$FPUTCHAR   EDT$FPUTCHAR - store a character in the format   16-Sep-1984 00:28:45   VAX-11 Bliss-32 V4.0-742   Page   4
V04-000   EDT$$STORE_FMTCH   - store a character in the fo   14-Sep-1984 12:23:12   DISK$VMSMASTER:[EDT.SRC]FPUTCHAR.BLI;1   (3)

N   4

```
;   143        0713  2          THEN
;   144        0714  3              BEGIN
;   145        0715  3              SAV_LNPOS = .EDT$$G_FMT_LNPOS;
;   146        0716  3              EDT$$OUT_FMTBUF ();
;   147        0717  3              EDT$$G_FMT_LNPOS = .SAV_LNPOS;
;   148        0718  2              END;
;   149        0719  2
;   150        0720  2          CH$WCHAR_A (.C, EDT$$A_FMT_CUR);
;   151        0721  1          END;                                    ! of routine EDT$$STORE_FMTCH
;
;
                                        .TITLE   EDT$FPUTCHAR EDT$FPUTCHAR - store a character i
                                                             n the format
                                        .IDENT   \V04-000\

                                        .EXTRN   EDT$$OUT_FMTBUF
                                        .EXTRN   EDT$$T_FMT_BUF, EDT$$A_FMT_CUR
                                        .EXTRN   EDT$$G_FMT_LNPOS

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

                             001C 00000 .ENTRY   EDT$$STORE_FMTCH, Save R2,R3,R4          ; 0658
         54 00000000G  00  9E 00002     MOVAB    EDT$$G_FMT_LNPOS, R4
         53 00000000G  00  9E 00009     MOVAB    EDT$$A_FMT_CUR, R3
         50 00000000G  00  9E 00010     MOVAB    END_BUF, R0                              ; 0712
         50            63  D1 00017     CMPL     EDT$$A_FMT_CUR, R0
                       0D  12 0001A     BNEQ     1$
         52            64  D0 0001C     MOVL     EDT$$G_FMT_LNPOS, SAV_LNPOS              ; 0715
00000000G 00           00  FB 0001F     CALLS    #0, EDT$$OUT_FMTBUF                      ; 0716
         64            52  D0 00026     MOVL     SAV_LNPOS, EDT$$G_FMT_LNPOS              ; 0717
         50            63  D0 00029 1$: MOVL     EDT$$A_FMT_CUR, R0                       ; 0720
         60      04    AC  90 0002C     MOVB     C, (R0)
                       63  D6 00030     INCL     EDT$$A_FMT_CUR
                       04 00032         RET                                              ; 0721

; Routine Size:  51 bytes,    Routine Base:  _EDT$CODE + 0000


;   152        0722  1
;   153        0723  1 !<BLF/PAGE>
```

```
; EDT$FPUTCHAR    EDT$FPUTCHAR - store a character in the format  16-Sep-1984 00:28:45   VAX-11 Bliss-32 V4.0-742          Page  5
; V04-000         EDT$$STORE_FMTCH  - store a character in the fo  14-Sep-1984 12:23:12   DISK$VMSMASTER:[EDT.SRC]FPUTCHAR.BLI;1   (4)
; 155    0724  1 END                                              ! of module EDT$FPUTCHAR
; 156    0725  1
; 157    0726  0 ELUDOM
```

```
;                           PSECT SUMMARY

;       Name                      Bytes                        Attributes

;   _EDT$CODE                        51   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        2         0       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$:FPUTCHAR/OBJ=OBJ$:FPUTCHAR MSRC$:FPUTCHAR.BLI/UPDATE=(ENH$:FPUT
;       CHAR)

; Size:          51 code + 0 data bytes
; Run Time:         00:09.6
; Elapsed Time:     00:11.3
; Lines/CPU Min:    4518
; Lexemes/CPU-Min: 12404
; Memory Used:  57 pages
; Compilation Complete
```

FPUTMES
LIS

FPUT
LIS

FTEXT
LIS

INIT
LIS

FIXNOTRUN
LIS

HANDLER
LIS

FPUTCHAR
LIS

GETXLATE
LIS

IOMOD
LIS

FLITERAL
LIS

FSTRING
LIS

INPUT
LIS

FIXNOTRUN
LIS

HELP
LIS