```
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
EEE                DDD        DDD         TTT
EEEEEEEEEEEEE      DDD        DDD         TTT
EEEEEEEEEEEEE      DDD        DDD         TTT
EEEEEEEEEEEEE      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
EEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
```

FILEID**CHMSENDEL

```
CCCCCCCC  HH      HH  MM        MM  SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDD    EEEEEEEEEE  LL
CCCCCCCC  HH      HH  MM        MM  SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDDD   EEEEEEEEEE  LL
CC        HH      HH  MMMM    MMMM  SS        EE          NN      NN  DD      DD EE          LL
CC        HH      HH  MMMM    MMMM  SS        EE          NN      NN  DD      DD EE          LL
CC        HH      HH  MM  MM  MM    SS        EE          NNNN    NN  DD      DD EE          LL
CC        HH      HH  MM  MM  MM    SS        EE          NNNN    NN  DD      DD EE          LL
CC        HHHHHHHHHH  MM        MM  SSSSSS    EEEEEEEE    NN  NN  NN  DD      DD EEEEEEE     LL
CC        HHHHHHHHHH  MM        MM  SSSSSS    EEEEEEEE    NN  NN  NN  DD      DD EEEEEEE     LL
CC        HH      HH  MM        MM        SS  EE          NN    NNNN  DD      DD EE          LL
CC        HH      HH  MM        MM        SS  EE          NN    NNNN  DD      DD EE          LL
CC        HH      HH  MM        MM        SS  EE          NN      NN  DD      DD EE          LL
CC        HH      HH  MM        MM        SS  EE          NN      NN  DD      DD EE          LL
CCCCCCCC  HH      HH  MM        MM  SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDD    EEEEEEEEEE  LLLLLLLLLL
CCCCCCCC  HH      HH  MM        MM  SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDDD   EEEEEEEEEE  LLLLLLLLLL


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
```

| 11

EDT$CHMSENDEL - find a sentence delimiter   16-Sep-1984 00:11:53   VAX-11 Bliss-32 V4.0-742   Page 1   EDT$
                                                 14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1   (1)   V04-

```
   1    0001   0 %TITLE 'EDT$CHMSENDEL - find a sentence delimiter'
   2    0002   0 MODULE EDT$CHMSENDEL (                              ! Find a sentence delimiter
   3    0003   0                 IDENT = 'V04-000'                   ! File: CHMSENDEL.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.      *
  11    0011   1 !*  ALL RIGHTS RESERVED.                                        *
  12    0012   1 !*                                                              *
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  16    0016   1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
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  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 !       This module looks for a sentence delimiter.
  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: Unknown
  41    0041   1 !
  42    0042   1 ! MODIFIED BY:
  43    0043   1 !
  44    0044   1 ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
  45    0045   1 !         extracting the routine EDT$$FND_SENDLIM  from CHANGE.BLI.
  46    0046   1 ! 1-002 - Regularize headers.  JBS 03-Mar-1981
  47    0047   1 ! 1-003 - Improve the appearance of the listing.  JBS 14-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$$FND_SENDLIM;                              ! Look for a sentence delimiter
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
```

K 11
EDT$CHMSENDEL   EDT$CHMSENDEL - find a sentence delimiter   16-Sep-1984 00:11:53   VAX-11 Bliss-32 V4.0-742   Page 3   EDT$
V04-000   EDT$$FND_SENDLIM - find a sentence delimiter   14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1   (3)   V04-

```
  84    0654  1  %SBTTL 'EDT$$FND_SENDLIM  - find a sentence delimiter'
  85    0655  1
  86    0656  1  GLOBAL ROUTINE EDT$$FND_SENDLIM (                        ! Find a sentence delimiter
  87    0657  1      INC                                                  ! Include the delimiter in the found string
  88    0658  1      ) =
  89    0659  1
  90    0660  1  !++
  91    0661  1  ! FUNCTIONAL DESCRIPTION:
  92    0662  1  !
  93    0663  1  !       Look for a sentence delimiter.  If one is found, move to the right
  94    0664  1  !       over it.  A sentence delimiter must be a character in the set of
  95    0665  1  !       delimiters followed by a space or a <CR>.
  96    0666  1  !
  97    0667  1  ! FORMAL PARAMETERS:
  98    0668  1  !
  99    0669  1  !   INC                     indicates whether or not the delimiter should
 100    0670  1  !                           be included.
 101    0671  1  !
 102    0672  1  ! IMPLICIT INPUTS:
 103    0673  1  !
 104    0674  1  !       EDT$$A_US_ENT
 105    0675  1  !       EDT$$A_LN_END
 106    0676  1  !       EDT$$A_LN_PTR
 107    0677  1  !
 108    0678  1  ! IMPLICIT OUTPUTS:
 109    0679  1  !
 110    0680  1  !       NONE
 111    0681  1  !
 112    0682  1  ! ROUTINE VALUE:
 113    0683  1  !
 114    0684  1  !       A value of 1 is returned if a delimiter is found, 0 otherwise.
 115    0685  1  !
 116    0686  1  ! SIDE EFFECTS:
 117    0687  1  !
 118    0688  1  !       NONE
 119    0689  1  !
 120    0690  1  !--
 121    0691  1
 122    0692  2      BEGIN
 123    0693  2
 124    0694  2      EXTERNAL ROUTINE
 125    0695  2          EDT$$TST_ENTDELIM,                               ! Determine if the current character is an entity delimiter
 126    0696  2          EDT$$CS_LEFT,                                    ! Move left a character
 127    0697  2          EDT$$CS_RIGHT;                                   ! Move right a character
 128    0698  2
 129    0699  2      EXTERNAL
 130    0700  2          EDT$$A_US_ENT : VECTOR,                          ! Pointers to user defined entities
 131    0701  2          EDT$$A_LN_END,                                  ! End of current line pointer
 132    0702  2          EDT$$A_LN_PTR;                                  ! Current character pointer
 133    0703  2
 134    0704  2  !+
 135    0705  2  ! Look for a sentence delimiter.
 136    0706  2  !-
 137    0707  2
 138    0708  2      IF EDT$$TST_ENTDELIM (.EDT$$A_US_ENT [1])
 139    0709  2      THEN
 140    0710  3          BEGIN
```

L 11
EDT$CHMSENDEL   EDT$CHMSENDEL – find a sentence delimiter   16-Sep-1984 00:11:53   VAX-11 Bliss-32 V4.0-742   Page 4
V04-000   EDT$$FND_SENDLIM – find a sentence delimiter   14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1   (3)

```
141   0711  3  !+
142   0712  3  ! Move to next character.
143   0713  3  !-
144   0714  3          EDT$$CS_RIGHT ();
145   0715  3  !+
146   0716  3  ! If we are at the end of a line, accept the sentence and
147   0717  3  ! position either in front of or after the delimiter.
148   0718  3  !-
149   0719  3
150   0720  4          IF CH$PTR_EQL (.EDT$$A_LN_PTR, .EDT$$A_LN_END)
151   0721  3          THEN
152   0722  4              BEGIN
153   0723  4
154   0724  4              IF .INC THEN EDT$$CS_RIGHT () ELSE EDT$$CS_LEFT ();
155   0725  4
156   0726  4              RETURN (1);
157   0727  3              END;
158   0728  3
159   0729  3  !+
160   0730  3  ! If the character is a blank, then accept the delimiter.
161   0731  3  ! If we are to include the delimiter, include all trailing spaces.
162   0732  3  !-
163   0733  3
164   0734  4          IF (CH$RCHAR (.EDT$$A_LN_PTR) EQL %C' ')
165   0735  3          THEN
166   0736  4              BEGIN
167   0737  4
168   0738  4              IF .INC
169   0739  4              THEN
170   0740  5                  BEGIN
171   0741  5
172   0742  5                  WHILE (CH$RCHAR (.EDT$$A_LN_PTR) EQL %C' ') DO
173   0743  5                      EDT$$CS_RIGHT ();
174   0744  5
175   0745  5                  END
176   0746  4              ELSE
177   0747  4                  EDT$$CS_LEFT ();
178   0748  4
179   0749  4              RETURN (1);
180   0750  3              END;
181   0751  3
182   0752  3          EDT$$CS_LEFT ();
183   0753  2          END;
184   0754  2
185   0755  2  !+
186   0756  2  ! We are not at a sentence delimiter, return 0;
187   0757  2  !-
188   0758  2          RETURN (0);
189   0759  1          END;                                  ! of routine EDT$$FND_SENDLIM


                                                     .TITLE   EDT$CHMSENDEL EDT$CHMSENDEL – find a sentence d
                                                                              elimiter
                                                     .IDENT   \V04-000\

                                                     .EXTRN   EDT$$TST_ENTDELIM
                                                     .EXTRN   EDT$$CS_LEFT, EDT$$CS_RIGHT
```

```
                                                            .EXTRN   EDT$$A_US_ENT, EDT$$A_LN_END
                                                            .EXTRN   EDT$$A_LN_PTR

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

                                   001C 00000              .ENTRY   EDT$$FND_SENDLIM, Save R2,R3,R4        ; 0656
                      54 00000000G 00   9E 00002           MOVAB    EDT$$CS_LEFT, R4
                      53 00000000G 00   9E 00009           MOVAB    EDT$$A_LN_PTR, R3
                      52 00000000G 00   9E 00010           MOVAB    EDT$$CS_RIGHT, R2
                         00000000G 00   DD 00017           PUSHL    EDT$$A_US_ENT+4                        ; 0708
          00000000G 00            01   FB 0001D           CALLS    #1, EDT$$TST_ENTDELIM
                      38            50   E9 00024           BLBC     R0, 6$
                      62            00   FB 00027           CALLS    #0, EDT$$CS_RIGHT                      ; 0714
          00000000G 00            63   D1 0002A           CMPL     EDT$$A_LN_PTR, EDT$$A_LN_END            ; 0720
                      09            12 00031              BNEQ     1$
                 1E   04 AC            E9 00033           BLBC     INC, 3$                                 ; 0724
                      62            00   FB 00037           CALLS    #0, EDT$$CS_RIGHT
                      1C            11 0003A              BRB      4$                                      ; 0726
                      50            63   D0 0003C 1$:      MOVL     EDT$$A_LN_PTR, R0                        ; 0734
                      20            60   91 0003F           CMPB     (R0), #32
                      18            12 00042              BNEQ     5$
                 0D   04 AC            E9 00044           BLBC     INC, 3$                                 ; 0738
                      50            63   D0 00048 2$:      MOVL     EDT$$A_LN_PTR, R0                        ; 0742
                      20            60   91 0004B           CMPB     (R0), #32
                      08            12 0004E              BNEQ     4$
                      62            00   FB 00050           CALLS    #0, EDT$$CS_RIGHT                      ; 0743
                      F3            11 00053              BRB      2$
                      64            00   FB 00055 3$:      CALLS    #0, EDT$$CS_LEFT                        ; 0747
                      50            01   D0 00058 4$:      MOVL     #1, R0                                 ; 0749
                      04 0005B                            RET
                      64            00   FB 0005C 5$:      CALLS    #0, EDT$$CS_LEFT                        ; 0752
                      50            D4 0005F 6$:           CLRL     R0                                     ; 0758
                      04 00061                            RET                                             ; 0759
```

; Routine Size: 98 bytes,   Routine Base: _EDT$CODE + 0000

```
;  190           0760  1
;  191           0761  1 !<BLF/PAGE>
```

EDT$CHMSENDEL   EDT$CHMSENDEL - find a sentence delimiter   N 11
                                                             16-Sep-1984 00:11:53   VAX-11 Bliss-32 V4.0-742   Page 6
V04-000   EDT$$FND_SENDLIM - find a sentence delimiter   14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1   (4)

```
; 193    0762  1 END                                        ! of module EDT$CHMSENDEL
; 194    0763  1
; 195    0764  0 ELUDOM
```

                              PSECT SUMMARY

        Name   Bytes   Attributes

    _EDT$CODE   98 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

                         Library Statistics

                                -------- Symbols --------   Pages   Processing
        File   Total   Loaded   Percent   Mapped   Time

    _255DUA28:[EDT.SRC]EDT.L32;1   377   1   0   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$:CHMSENDEL/OBJ=OBJ$:CHMSENDEL MSRC$:CHMSENDEL.BLI/UPDATE=(ENH$:C
        HMSENDEL)

; Size: 98 code + 0 data bytes
; Run Time: 00:11.2
; Elapsed Time: 00:13.5
; Lines/CPU Min: 4111
; Lexemes/CPU-Min: 11176
; Memory Used: 68 pages
; Compilation Complete

CHMMRKCHG
LIS

CHMPARSEN
LIS

CHMSELPOS
LIS

CHMSPLLIN
LIS

DATA
LIS

CHMPAREN
LIS

CHMUNDEL
LIS

COMMAND
LIS

CHMONSTR
LIS

CHMSAVPOS
LIS

CHMSCHSTR
LIS

CHMREPOS
LIS

CHMMESS
LIS

CHMPASTE
LIS

CHMSENDEL
LIS

CHMTADJ
LIS

CHMSAVTXT
LIS

CLRKEY
LIS

CHMNEWLEN
LIS

CHMPARSE
LIS

CHMSAVLIN
LIS

CHMSUBS
LIS