


```

CCCCCCCC HH   HH MM   MM   CCCCCCCC HH   HH   GGGGGGGG CCCCCCCC
CCCCCCCC HH   HH MM   MM   CCCCCCCC HH   HH   GGGGGGGG CCCCCCCC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CC        HH   HH MM   MM   CC        HH   HH   GG        CC
CCCCCCCC HH   HH MM   MM   CCCCCCCC HH   HH   GGGGGGGG CCCCCCCC
CCCCCCCC HH   HH MM   MM   CCCCCCCC HH   HH   GGGGGGGG CCCCCCCC

```

```

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$CHMCHGC - change case'
2 0002 0 MODULE EDT$CHMCHGC ( ! Change case
3 0003 0 IDENT = 'V04-000' ! File: CHMCHGC.BLI Edit: JBS1007
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 This module executes the change mode commands
37 0037 1 CHGC, CHGU, and CHGL.
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: Unknown
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
46 0046 1 extracting the routine PROCESS CHGC from routine CHANGE.BLI.
47 0047 1 1-002 - Regularize headers. JBS 27-Feb-1981
48 0048 1 1-003 - Fix module name. JBS 02-Mar-1981
49 0049 1 1-004 - Use the ASSERT macro. JBS 01-Jun-1981
50 0050 1 1-005 - Change the alphabetic test logic. JBS 19-Jul-1982
51 0051 1 1-006 - New screen update logic. JBS 13-Sep-1982
52 0052 1 1-007 - Add conditionals for WPS and VT220 support. JBS 10-FEB-1983
53 0053 1 --
54 0054 1

```

```
56 0055 1 %SBTTL 'Declarations'  
57 0056 1 :  
58 0057 1 : TABLE OF CONTENTS:  
59 0058 1 :  
60 0059 1 :  
61 0060 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
62 0499 1 :  
63 0500 1 FORWARD ROUTINE  
64 0501 1 EDT$$CHG_CAS : NOVALUE;  
65 0502 1 :  
66 0503 1 :  
67 0504 1 : INCLUDE FILES:  
68 0505 1 :  
69 0506 1 :  
70 0507 1 REQUIRE 'EDT$SRC:EDTREQ';  
71 0642 1 :  
72 0643 1 LIBRARY 'EDT$SRC:TRANSLATE';  
73 0644 1 :  
74 0645 1 LIBRARY 'EDT$SRC:SUPPORTS';  
75 0646 1 :  
76 0647 1 :  
77 0648 1 : MACROS:  
78 0649 1 :  
79 0650 1 : NONE  
80 0651 1 :  
81 0652 1 : EQUATED SYMBOLS:  
82 0653 1 :  
83 0654 1 : NONE  
84 0655 1 :  
85 0656 1 : OWN STORAGE:  
86 0657 1 :  
87 0658 1 : NONE  
88 0659 1 :  
89 0660 1 : EXTERNAL REFERENCES:  
90 0661 1 :  
91 0662 1 : In the routine
```

! Process the changecase commands

```

0663 1 %SBTTL 'EDT$$CHG_CAS - change case'
0664 1
0665 1 GLOBAL ROUTINE EDT$$CHG_CAS (           ! Change case
0666 1     FC,                               ! first character
0667 1     LC                               ! last character
0668 1   ) : NOVALUE =
0669 1
0670 1  !++
0671 1  ! FUNCTIONAL DESCRIPTION:
0672 1  !
0673 1  !     This is the processing routine for the changecase commands.
0674 1  !     This routine is called by the process lines command
0675 1  !     for each line of the selected text.
0676 1
0677 1  ! FORMAL PARAMETERS:
0678 1
0679 1     FC                               First character position to process
0680 1
0681 1     LC                               Last character position to process
0682 1
0683 1  ! IMPLICIT INPUTS:
0684 1
0685 1     EDT$$G_CAS_TYP
0686 1
0687 1  ! IMPLICIT OUTPUTS:
0688 1
0689 1     NONE
0690 1
0691 1  ! ROUTINE VALUE:
0692 1
0693 1     NONE
0694 1
0695 1  ! SIDE EFFECTS:
0696 1
0697 1     NONE
0698 1
0699 1  !--
0700 1
0701 2     BEGIN
0702 2
0703 2 L %IF SUPPORT_WPS
0704 2 %THEN
0705 2
0706 2     EXTERNAL
0707 2     EDT$$G_CAS_TYP;           ! Type of case change: invert, force upper or force lower
0708 2
0709 2 %FI
0710 2
0711 2 L %IF SUPPORT_VT220
0712 2 %THEN
0713 2
0714 2     EXTERNAL
0715 2     EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE]; ! Information about characters
0716 2
0717 2 %FI
0718 2
0719 2     LOCAL

```

```

150      0720      2          CP,
151      0721      2          CHAR;
152      0722      2
153      0723      2          CP = .FC;
154      0724      2
155      0725      2          WHILE CH$PTR_NEQ (.CP, .LC) DO
156      0726      2          BEGIN
157      0727      2
158      L 0728      2          %IF SUPPORT_VT220
159      0729      2          %THEN
160      0730      2
161      0731      2          IF (.EDT$$B_CHAR_INFO [CH$RCHAR (.CP), 0, 0, 2, 0] NEQ 0)      ! If this is a letter
162      0732      2          THEN
163      U 0733      2          %ELSE
164      U 0734      2          CHAR = CH$RCHAR (.CP);
165      U 0735      2
166      U 0736      2          IF (((.CHAR GEQ %C'A') AND (.CHAR LEQ %C'Z')) OR ((.CHAR GEQ %C'a') AND (.CHAR LEQ %C'z')))
167      U 0737      2          THEN
168      0738      2          %FI
169      0739      2
170      L 0740      2          %IF SUPPORT_WPS
171      0741      2          %THEN
172      0742      2
173      0743      2          CASE .EDT$$G_CAS_TYP FROM CASE_K_CHGC TO CASE_K_CHGL OF
174      0744      2          SET
175      0745      2          [CASE_K_CHGC] :
176      0746      2          [CASE_K_CHGC] :
177      0747      2          %FI
178      0748      2
179      0749      2          !+
180      0750      2          !- Invert case
181      0751      2          !-
182      0752      2          CH$WCHAR (CH$RCHAR (.CP) XOR 32, .CP);
183      0753      2
184      L 0754      2          %IF SUPPORT_WPS
185      0755      2          %THEN
186      0756      2
187      0757      2          [CASE_K_CHGU] :
188      0758      2          !+
189      0759      2          !- Force to upper case
190      0760      2          !-
191      0761      2          CH$WCHAR (CH$RCHAR (.CP) AND ( NOT 32), .CP);
192      0762      2
193      0763      2          [CASE_K_CHGL] :
194      0764      2          !+
195      0765      2          !- Force to lower case
196      0766      2          !-
197      0767      2          CH$WCHAR (CH$RCHAR (.CP) OR 32, .CP);
198      0768      2
199      0769      2          [OUTRANGE] :
200      0770      2          ASSERT (0);
201      0771      2          TES;
202      0772      2
203      0773      2          %FI
204      0774      2
205      0775      2          CP = CH$PLUS (.CP, 1);
206      0776      2          END;

```

EDT\$CHMCHGC
V04-000

EDT\$CHMCHGC - change case
EDT\$\$CHG_CAS - change case

L 12
15-Sep-1984 23:47:09
14-Sep-1984 12:22:22

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

: 207
: 208
0777 2
0778 1 END;

! of routine EDT\$\$CHG_CAS

```

0004 00000
08 52 04 AC D0 00002
AC 52 D1 00006 1$:
35 13 0000A
50 62 9A 0000C
03 00000000G0040 93 0000F
24 13 00017
02 01 00000000G 00 CF 00019
0019 0014 000F 00021 2$:
00000000G 00 00 FB 00027
0D 11 0002E
62 20 8C 00030 3$:
08 11 00033
62 20 8A 00035 4$:
03 11 00038
62 20 88 0003A 5$:
52 D6 0003D 6$:
C5 11 0003F
04 00041 7$:

```

```

.TITLE EDT$CHMCHGC EDT$CHMCHGC - change case
.IDENT \V04-000\
.EXTRN EDT$$G_CAS_TYP, EDT$$B_CHAR_INFO
.EXTRN EDT$$INTER_ERR
.PSECT _EDT$CODE,NOWRT, SHR, PIC,2
.ENTRY EDT$$CHG_CAS, Save R2 : 0665
MOVL FC, CP : 0723
CMLP CP, LC : 0725
BEQL 7$
MOVZBL (CP), R0 : 0731
BITB EDT$$B_CHAR_INFO[R0], #3
BEQL 6$
CASEL EDT$$G_CAS_TYP, #1, #2 : 0767
.WORD 3$-2$,=
4$-2$,=
5$-2$
CALLS #0, EDT$$INTER_ERR : 0770
BRB 6$ : 0767
XORB2 #32, (CP) : 0752
BRB 6$ : 0767
BICB2 #32, (CP) : 0761
BRB 6$ : 0767
BISB2 #32, (CP)
INCL CP : 0775
BRB 1$ : 0725
RET : 0778

```

: Routine Size: 66 bytes, Routine Base: _EDT\$CODE + 0000

: 209
: 210
0779 1
0780 1 !<BLF/PAGE>

EDT\$CHMCHGC
V04-000

EDT\$CHMCHGC - change case
EDT\$\$CHG_CAS - change case

M 12
15-Sep-1984 23:47:09
14-Sep-1984 12:22:22

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

: 212 0781 1 END
: 213 0782 1
: 214 0783 0 ELUDOM

! of module EDT\$CHMCHGC

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 66 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	5	1	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[EDT.SRC]TRANSLATE.L32;1	6	0	0	57	00:00.1
-\$255\$DUA28:[EDT.SRC]SUPPORTS.L32;1	2	2	100	5	00:00.1

COMMAND QUALIFIERS

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

: Size: 66 code + 0 data bytes
: Run Time: 00:11.5
: Elapsed Time: 00:13.7
: Lines/CPU Min: 4095
: Lexemes/CPU-Min: 12151
: Memory Used: 70 pages
: Compilation Complete

