


```

CCCCCCCC HH    HH MM    MM    IIIIII NN    NN SSSSSSSS MM    MM    000000 DDDDDDDD
CCCCCCCC HH    HH MM    MM    IIIIII NN    NN SSSSSSSS MM    MM    000000 DDDDDDDD
CC        HH    HH MMMM MMMM    II     NN    NN SS     MMMM MMMM    00    00    DD    DD
CC        HH    HH MMMM MMMM    II     NN    NN SS     MMMM MMMM    00    00    DD    DD
CC        HH    HH MM    MM    II     NNNN NN SS     MM MM MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NNNN NN SS     MM MM MM    00    00    DD    DD
CC        HHHHHHHHHH MM    MM    II     NN NN NN SSSSSS MM    MM    00    00    DD    DD
CC        HHHHHHHHHH MM    MM    II     NN NN NN SSSSSS MM    MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NN NN NN SSSSSS MM    MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NN NN NN SS     MM    MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NN NN NN SS     MM    MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NN NN NN SS     MM    MM    00    00    DD    DD
CC        HH    HH MM    MM    II     NN NN NN SS     MM    MM    00    00    DD    DD
CCCCCCCC HH    HH MM    MM    IIIIII NN    NN SSSSSSSS MM    MM    000000 DDDDDDDD
CCCCCCCC HH    HH MM    MM    IIIIII NN    NN SSSSSSSS MM    MM    000000 DDDDDDDD

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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

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.....
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.....

```

1 0001 0 %TITLE 'EDT$CHMINSMOD - nokeypad insert mode'
2 0002 0 MODULE EDT$CHMINSMOD ( ! Nokeypad insert mode
3 0003 0 IDENT = 'V04-000' ! File: CHMINSMOD.BLI Edit: JBS1009
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 implements nokeypad insert mode.
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 routine INSERT MODE from module CHANGE.BLI.
46 0046 1 1-002 - Regularize headers. JBS 03-Mar-1981
47 0047 1 1-003 - Add return values. JBS 02-Oct-1981
48 0048 1 1-004 - Don't allow a bare ESC to terminate a multi-line insert. JBS 17-Aug-1982
49 0049 1 1-005 - Set the message flag so "I" stays on screen. SMB 17-Aug-1982
50 0050 1 1-006 - New screen update logic. JBS 13-Sep-1982
51 0051 1 1-007 - Change the call to screen update and add a LOAD entry point, so this module
52 0052 1 can be displaced by the screen update modules on the PDP-11. JBS 25-Sep-1982
53 0053 1 1-008 - Change the screen update call again, to reduce the overlay size on the PDP-11. JBS 27-Sep-1982
54 0054 1 1-009 - Add a parameter to EDT$$COMB_LN. JBS 28-Dec-1982
55 0055 1
56 0056 1

```

```

: 58      0057 1 %SBTTL 'Declarations'
: 59      0058 1
: 60      0059 1 : TABLE OF CONTENTS:
: 61      0060 1
: 62      0061 1
: 63      0062 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 64      0501 1
: 65      0502 1 FORWARD ROUTINE
: 66      0503 1     EDT$$INS MOD,
: 67      0504 1     EDT$$LOAD_CHMINSMOD : NOVALUE;
: 68      0505 1
: 69      0506 1
: 70      0507 1 : INCLUDE FILES:
: 71      0508 1
: 72      0509 1
: 73      0510 1 REQUIRE 'EDTSRC:EDTREQ';
: 74      0645 1
: 75      0646 1
: 76      0647 1 : MACROS:
: 77      0648 1
: 78      0649 1     NONE
: 79      0650 1
: 80      0651 1 : EQUATED SYMBOLS:
: 81      0652 1
: 82      0653 1     NONE
: 83      0654 1
: 84      0655 1 : OWN STORAGE:
: 85      0656 1
: 86      0657 1     NONE
: 87      0658 1
: 88      0659 1 : EXTERNAL REFERENCES:
: 89      0660 1
: 90      0661 1 :     In the routine

```

```

: Process no-keypad insertion
: Load this module into memory on the PDP-11

```

```

: 92 0662 1 %SBTTL 'EDT$$INS_MOD - nokeypad insert mode'
: 93 0663 1
: 94 0664 1 GLOBAL ROUTINE EDT$$INS_MOD ! Nokeypad insert mode
: 95 0665 1 =
: 96 0666 1
: 97 0667 1 !++
: 98 0668 1 FUNCTIONAL DESCRIPTION:
: 99 0669 1
:100 0670 1 This routine implements the no-keypad insert mode. Process insertions
:101 0671 1 and the delete character until a CTRL/Z is seen, then return.
:102 0672 1
:103 0673 1 FORMAL PARAMETERS:
:104 0674 1
:105 0675 1 NONE
:106 0676 1
:107 0677 1 IMPLICIT INPUTS:
:108 0678 1
:109 0679 1 EDT$$G_KPAD
:110 0680 1 EDT$$G_TI_TYP
:111 0681 1 EDT$$T_LN_BUF
:112 0682 1 EDT$$A_LN_PTR
:113 0683 1
:114 0684 1 IMPLICIT OUTPUTS:
:115 0685 1
:116 0686 1 NONE
:117 0687 1
:118 0688 1 ROUTINE VALUE:
:119 0689 1
:120 0690 1 1 = ok, 0 = end of journal file
: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$$DEL_CHS : NOVALUE, ! Delete part of the current line
:132 0702 2 EDT$$INS_CHS, ! Insert a string of characters which may include carriage returns
:133 0703 2 EDT$$COMB_LN : NOVALUE, ! Combine the current line with the one immediately above it
:134 0704 2 EDT$$SC_UPD_NOOVERLAY2 : NOVALUE, ! Update the screen, possibly displacing this module
:135 0705 2 EDT$$STOP_WRINGMSG, ! Terminate working AST
:136 0706 2 EDT$$TI_INPCH; ! Get a character of input
:137 0707 2
:138 0708 2 EXTERNAL
:139 0709 2 EDT$$G_MSGFLG, ! Text to stay on screen
:140 0710 2 EDT$$G_KPAD, ! Keypad activated?
:141 0711 2 EDT$$G_TI_TYP, ! Terminal type.
:142 0712 2 EDT$$T_LN_BUF, ! Current line buffer
:143 0713 2 EDT$$A_LN_PTR; ! Current character pointer
:144 0714 2
:145 0715 2 LOCAL
:146 0716 2 C : BYTE;
:147 0717 2
:148 0718 2 IF ((.EDT$$G_KPAD NEQ 0) OR (.EDT$$G_TI_TYP EQL TERM_HCPY)) THEN RETURN (1);

```

```

149 0719 2
150 0720 2 EDT$$STOP WKINGMSG ();
151 0721 2 EDT$$MSGFLG = 1;
152 0722 2
153 0723 2 WHILE 1 DO
154 0724 2 BEGIN
155 0725 2 EDT$$SC_UPD_NOOVERLAY2 ();
156 0726 2
157 0727 2 IF (EDT$$TI_INPCH (C) EQL 0) THEN RETURN (0);
158 0728 2
159 0729 2 IF (.C EQL ASC_K_CTRL_Z) THEN EXITLOOP,
160 0730 2
161 0731 2 IF (.C EQL ASC_K_DEL)
162 0732 2 THEN
163 0733 2
164 0734 2 IF CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$ST_LN_BUF))
165 0735 2 THEN
166 0736 2 EDT$$SCOMB_LN (1)
167 0737 2 ELSE
168 0738 2 EDT$$DEL_CHS (CH$PLUS (.EDT$$A_LN_PTR, -1), .EDT$$A_LN_PTR)
169 0739 2
170 0740 2 ELSE
171 0741 2 EDT$$INS_CHS (C, 1);
172 0742 2
173 0743 2 END;
174 0744 2
175 0745 2 EDT$$MSGFLG = 0;
176 0746 2 RETURN (1);
177 0747 2 END;

```

! of routine EDT\$\$INS_MOD

```

.TITLE EDT$CHMINSMOD EDT$CHMINSMOD - nokeypad insert m
ode
.IDENT \V04-000\
.EXTRN EDT$$DEL_CHS, EDT$$INS_CHS
.EXTRN EDT$$SCOMB_LN, EDT$$SC_UPD_NOOVERLAY2
.EXTRN EDT$$STOP_WKINGMSG
.EXTRN EDT$$TI_INPCH, EDT$$MSGFLG
.EXTRN EDT$$G_RPAD, EDT$$G_TI_TYP
.EXTRN EDT$$ST_LN_BUF, EDT$$A_LN_PTR

```

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

		000C 00000		.ENTRY	EDT\$\$INS MOD, Save R2,R3	: 0664
53	00000000G	00	9E 00002	MOVAB	EDT\$\$MSGFLG, R3	
5E		04	C2 00009	SUBL2	#4, SP	
	00000000G	00	D5 0000C	TSTL	EDT\$\$G_KPAD	: 0718
		6E	12 00012	BNEQ	\$\$	
03	00000000G	00	D1 00014	CMP	EDT\$\$G_TI_TYP, #3	
		65	13 0001B	BEQL	\$\$	
	00000000G	00	FB 0001D	CALLS	#0, EDT\$\$STOP WKINGMSG	: 0720
		01	D0 00024	MOVL	#1, EDT\$\$MSGFLG	: 0721
	00000000G	00	FB 00027	CALLS	#0, EDT\$\$SC_UPD_NOOVERLAY2	: 0725
		5E	DD 0002E	PUSHL	SP	: 0727
	00000000G	00	FB 00030	CALLS	#1, EDT\$\$TI_INPCH	
		50	D5 00037	TSTL	R0	

EDT\$CHMINSMOD
V04-000

EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$INS_MOD - nokeypad insert mode

H 15
16-Sep-1984 00:01:56
14-Sep-1984 12:22:36

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1

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(3)

		4B	13	00039	BEQL	6\$			
	1A	6E	91	0003B	CMPB	C	#26		0729
		40	13	0003E	BEQL	4\$			
	7F	8F	6E	91	00040	CMPB	C	#127	0731
			2C	12	00044	BNEQ	3\$		
	52	00000000G	00	D0	00046	MOVL	EDT\$\$A_LN_PTR, R2		0734
	50	00000000G	00	9E	0004D	MOVAB	EDT\$\$T_LN_BUF, R0		
	50		52	D1	00054	CMPL	R2, R0		
			0B	12	00057	BNEQ	2\$		
			01	DD	00059	PUSHL	#1		0736
	00000000G	00	01	FB	0005B	CALLS	#1, EDT\$\$COMB_LN		
			C3	11	00062	BRB	1\$		
			52	DD	00064	PUSHL	R2		0738
			A2	9F	00066	PUSHAB	-1(R2)		
	00000000G	00	02	FB	00069	CALLS	#2, EDT\$\$DEL_CHS		
			B5	11	00070	BRB	1\$		0734
			01	DD	00072	PUSHL	#1		0741
			04	AE	00074	PUSHAB	C		
	00000000G	00	02	FB	00077	CALLS	#2, EDT\$\$INS_CHS		
			A7	11	0007E	BRB	1\$		0723
			63	D4	00080	CLRL	EDT\$\$G_MSGFLG		0745
			01	D0	00082	MOVL	#1, R0		0746
			04	00085	RET				
			50	D4	00086	CLRL	R0		0747
			04	00088	RET				

: Routine Size: 137 bytes, Routine Base: _EDT\$CODE + 0000

: 178 0748 1

```

: 180      0749 1 %SBTTL 'EDT$$LOAD_CHMINSMOD - load this module into memory'
: 181      0750 1
: 182      0751 1 GLOBAL ROUTINE EDT$$LOAD_CHMINSMOD          ! Load this module into memory
: 183      0752 1      : NOVALUE =
: 184      0753 1
: 185      0754 1 ++
: 186      0755 1 FUNCTIONAL DESCRIPTION:
: 187      0756 1
: 188      0757 1      This is a do-nothing entry point that loads this module back into memory
: 189      0758 1      in case it was displaced by the screen update modules.
: 190      0759 1
: 191      0760 1 FORMAL PARAMETERS:
: 192      0761 1
: 193      0762 1      NONE
: 194      0763 1
: 195      0764 1 IMPLICIT INPUTS:
: 196      0765 1
: 197      0766 1      NONE
: 198      0767 1
: 199      0768 1 IMPLICIT OUTPUTS:
: 200      0769 1
: 201      0770 1      NONE
: 202      0771 1
: 203      0772 1 ROUTINE VALUE:
: 204      0773 1
: 205      0774 1      NONE
: 206      0775 1
: 207      0776 1 SIDE EFFECTS:
: 208      0777 1
: 209      0778 1      NONE
: 210      0779 1
: 211      0780 1 --
: 212      0781 1
: 213      0782 2 BEGIN
: 214      0783 2 0
: 215      0784 1 END;

```

! of routine EDT\$\$LOAD_CHMINSMOD

0000 00000
04 00002

.ENTRY EDT\$\$LOAD_CHMINSMOD, Save nothing
RET

: 0751
: 0784

: Routine Size: 3 bytes, Routine Base: _EDT\$CODE + 0089

```

: 216      0785 1
: 217      0786 1 !<BLF/PAGE>

```


EDT\$CHMINSMOD
V04-000

EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$LOAD_CHMINSMOD - load this module into mem

J 15
16-Sep-1984 00:01:56
14-Sep-1984 12:22:36

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1

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: 219 0787 1 END
: 220 0788 1
: 221 0789 0 ELUDOM

! of module EDT\$CHMINSMOD

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	140	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	4	1	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\$:CHMINSMOD/OBJ=OBJ\$:CHMINSMOD MSRC\$:CHMINSMOD.BLI/UPDATE=(ENH\$:CHMINSMOD)

: Size: 140 code + 0 data bytes
: Run Time: 00:11.9
: Elapsed Time: 00:14.8
: Lines/CPU Min: 3964
: Lexemes/CPU-Min: 10572
: Memory Used: 75 pages
: Compilation Complete

CHMFINENT LIS	CHMINIT LIS	CHMGCOUNT LIS	CHMGINSTR LIS	CHMGSUSTR LIS	CHMINSMOD LIS
CHMEMESS LIS	CHMINSTAB LIS	CHMGBUF LIS	CHMINSCHR LIS	CHMINDATE LIS	CHMINSSTR LIS
CHMENTRM LIS	CHMEXVERB LIS	CHMFINSTR LIS	CHMGDTR LIS	CHMGQSTR LIS	CHMLPKPD LIS
CHMENDWRD LIS	CHMEXCOM LIS	CHMKEYWRD LIS			