


```

FFFFFFFFF      IIIIII      NN      NN      DDDDDDD      KK      KK      EEEEEEEEE      YY      YY
FFFFFFFFF      IIIIII      NN      NN      DDDDDDD      KK      KK      EEEEEEEEE      YY      YY
FF           II           NN      NN      DD      DD      KK      KK      EE           YY      YY
FF           II           NN      NN      DD      DD      KK      KK      EE           YY      YY
FF           II           NNNN     NN      DD      DD      KK      KK      EE           YY      YY
FF           II           NNNN     NN      DD      DD      KK      KK      EE           YY      YY
FFFFFFFFF      II           NN      NN      DD      DD      KKKKKK     EE           YY      YY
FFFFFFFFF      II           NN      NN      DD      DD      KKKKKK     EE           YY      YY
FF           II           NN      NNNN     DD      DD      KK      KK      EE           YY      YY
FF           II           NN      NNNN     DD      DD      KK      KK      EE           YY      YY
FF           II           NN      NN      DD      DD      KK      KK      EE           YY      YY
FF           II           NN      NN      DD      DD      KK      KK      EE           YY      YY
FF           IIIIII      NN      NN      DDDDDDD      KK      KK      EEEEEEEEE      YY      YY
FF           IIIIII      NN      NN      DDDDDDD      KK      KK      EEEEEEEEE      YY      YY

```

```

LL           IIIIII      SSSSSSS
LL           IIIIII      SSSSSSS
LL           II           SS
LL           II           SS
LL           II           SS
LL           II           SS
LL           II           SSSSS
LL           II           SSSSS
LL           II           SS
LL           II           SS
LL           II           SS
LL           IIIIII      SSSSSSS
LLLLLLLLLLL IIIIII      SSSSSSS

```



```

1 0001 0 %TITLE 'EDT$FINDKEY - find a key''s definition'
2 0002 0 MODULE EDT$FINDKEY ( ! Find a key's definition
3 0003 0 IDENT = 'V04-000' ! File: FINDKEY.BLI Edit: JBS1002
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 Find a key's definition.
37 0037 1
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: John Sauter, CREATION DATE: August 13, 1982
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. JBS 13-Aug-1982
45 0045 1 1-002 - Don't store into the argument list. JBS 10-Nov-1982
46 0046 1 --
47 0047 1

```

EDT\$FINDKEY
V04-000

EDT\$FINDKEY - find a key's definition
Declarations

L 15
16-Sep-1984 00:24:22
14-Sep-1984 12:23:07

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]FINDKEY.BLI;1 Page 2 (2)

```
.. 49      0048 1 %SBTTL 'Declarations'  
.. 50      0049 1  
.. 51      0050 1 || TABLE OF CONTENTS:  
.. 52      0051 1 ||  
.. 53      0052 1  
.. 54      0053 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
.. 55      0492 1  
.. 56      0493 1 FORWARD ROUTINE  
.. 57      0494 1     EDT$FIND_KEY;           ! Find a key's definition  
.. 58      0495 1  
.. 59      0496 1 ||  
.. 60      0497 1 || INCLUDE FILES:  
.. 61      0498 1 ||  
.. 62      0499 1  
.. 63      0500 1 REQUIRE 'EDT$SRC:EDTREQ';  
.. 64      0635 1  
.. 65      0636 1 LIBRARY 'EDT$SRC:KEYPADDEF';  
.. 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
```

ED
VO


```

: 84 0654 1 %SBTTL 'EDT$$FIND_KEY - find a key''s definition'
: 85 0655 1
: 86 0656 1 GLOBAL ROUTINE EDT$$FIND_KEY (           ! Find a key's definition
: 87 0657 1     KEY,                               ! Key number
: 88 0658 1     KEY_PTR                           ! Pointer to key definition
: 89 0659 1     ) =
: 90 0660 1
: 91 0661 1 !++
: 92 0662 1 ! FUNCTIONAL DESCRIPTION:
: 93 0663 1
: 94 0664 1     Find the definition of a key in the key definition table. Return that
: 95 0665 1     definition or an indication that the key is not defined.
: 96 0666 1
: 97 0667 1 ! FORMAL PARAMETERS:
: 98 0668 1
: 99 0669 1     KEY                               The number of the key whose definition is to be found
: 100 0670 1
: 101 0671 1     KEY_PTR                          Pointer to the key's definition
: 102 0672 1
: 103 0673 1 ! IMPLICIT INPUTS:
: 104 0674 1
: 105 0675 1     EDT$$A_TRN_TBL
: 106 0676 1
: 107 0677 1 ! IMPLICIT OUTPUTS:
: 108 0678 1
: 109 0679 1     NONE
: 110 0680 1
: 111 0681 1 ! ROUTINE VALUE:
: 112 0682 1
: 113 0683 1     1 = key found, KEY_PTR points to its definition
: 114 0684 1     0 = no definition for this key
: 115 0685 1
: 116 0686 1 ! SIDE EFFECTS:
: 117 0687 1
: 118 0688 1     NONE
: 119 0689 1
: 120 0690 1 ! --
: 121 0691 1
: 122 0692 2 BEGIN
: 123 0693 2
: 124 0694 2 MAP
: 125 0695 2     KEY_PTR : REF BLOCK [, BYTE] FIELD (KEY_DEF_FIELD);
: 126 0696 2
: 127 0697 2 EXTERNAL
: 128 0698 2     EDT$$A_TRN_TBL : VECTOR [K_KPAD_HASHSIZ];           ! Table of pointers to key definitions
: 129 0699 2
: 130 0700 2 LOCAL
: 131 0701 2     L_KEY,
: 132 0702 2     L_KEY_PTR : REF BLOCK [, BYTE] FIELD (KEY_DEF_FIELD),
: 133 0703 2     KEY_FOUND;
: 134 0704 2
: 135 0705 2     L_KEY = .KEY;
: 136 0706 2     ASSERT ((.L_KEY LSS K_KEY_MAX) AND (.L_KEY GEQ 0));
: 137 0707 2     L_KEY_PTR = EDT$$A_TRN_TBL [.L_KEY MOD K_KPAD_HASHSIZ];
: 138 0708 2     KEY_FOUND = 0;
: 139 0709 2
: 140 0710 2 WHILE ( NOT .KEY_FOUND) DO
```

```

: 141      0711      3      BEGIN
: 142      0712      3      L_KEY_PTR = .L_KEY_PTR [KEY_DEF_NEXT];
: 143      0713      3
: 144      0714      3      IF (.L_KEY_PTR EQLA 0) THEN RETURN (0);
: 145      0715      3
: 146      0716      3      IF (.L_KEY_PTR [KEY_DEF_KEY] EQL .L_KEY) THEN KEY_FOUND = 1;
: 147      0717      3
: 148      0718      3      ASSERT ((.L_KEY MOD K_KPAD_HASHSIZ) EQL (.L_KEY_PTR [KEY_DEF_KEY] MOD K_KPAD_HASHSIZ));
: 149      0719      3      END;
: 150      0720      3
: 151      0721      3      .KEY_PTR = .L_KEY_PTR;
: 152      0722      3      RETURN (1);
: 153      0723      3      END;

```

! of routine EDT\$\$FIND_KEY

```

.TITLE EDT$FINDKEY EDT$FINDKEY - find a key's definiti
       on
.IDENT  \V04-000\
.EXTRN EDT$$A_TRN_TBL, EDT$$INTER_ERR
.PSECT  _EDT$CODE,NOWRT, SHR, PIC,2

```

				007C 00000	.ENTRY	EDT\$\$FIND_KEY, Save R2,R3,R4,R5,R6	0656
		56	00000000G	00 9E 00002	MOVAB	EDT\$\$INTER_ERR, R6	
		55	04	AC D0 00009	MOVL	KEY, L_KEY	0705
		8F	000003E7	55 D1 0000D	CMPL	L_KEY, #999	0706
				04 18 00014	BGEQ	1\$	
				55 D5 00016	TSTL	L_KEY	
				03 18 00018	BGEQ	2\$	
		66		00 FB 0001A	1\$: CALLS	#0, EDT\$\$INTER_ERR	
7E	00	55		01 7A 0001D	2\$: EMUL	#1, L_KEY, #0, -(SP)	0707
53	53	8E	000000C7	8F 7B 00022	EDIV	#199, (SP)+, R3, R3	
		52	00000000G00	43 DE 0002B	MOVAL	EDT\$\$A_TRN_TBL[R3], L_KEY_PTR	
				54 D4 00033	CLRL	KEY_FOUND	0708
		2C		54 E8 00035	3\$: BLBS	KEY_FOUND, 5\$	0710
		52		62 D0 00038	MOVL	(L_KEY_PTR), L_KEY_PTR	0712
				2F 13 0003B	BEQL	6\$	0714
55	04	A2		10 00 ED 0003D	CMPZV	#0, #16, 4(L_KEY_PTR), L_KEY	0716
				03 12 00043	BNEQ	4\$	
		54		01 D0 00045	MOVL	#1, KEY_FOUND	
		50	04	A2 3C 00048	4\$: MOVZWL	4(L_KEY_PTR), R0	0718
7E	00	50		01 7A 0004C	EMUL	#1, R0, #0, -(SP)	
50	50	8E	000000C7	8F 7B 00051	EDIV	#199, (SP)+, R0, R0	
		50		53 D1 0005A	CMPL	R3, R0	
				D6 13 0005D	BEQL	3\$	
		66		00 FB 0005F	CALLS	#0, EDT\$\$INTER_ERR	
				D1 11 00062	BRB	3\$	0710
		08	BC	52 D0 00064	5\$: MOVL	L_KEY_PTR, @KEY_PTR	0721
		50		01 D0 00068	MOVL	#T, R0	0722
				04 0006B	RET		
				50 D4 0006C	6\$: CLRL	R0	0723
				04 0006E	RET		

; Routine Size: 111 bytes, Routine Base: _EDT\$CODE + 0000

BCDEFGHIJKLMNOPQRSTUVWXYZ

EDT\$FINDKEY
V04-000

EDT\$FINDKEY - find a key's definition
EDT\$\$FIND_KEY - find a key's definition

B 16
16-Sep-1984 00:24:22
14-Sep-1984 12:23:07

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

: 154
: 155

0724 1
0725 1 !<BLF/PAGE>

EDT\$FINDKEY
V04-000

EDT\$FINDKEY - find a key's definition
EDT\$\$FIND_KEY - find a key's definition

C 16
16-Sep-1984 00:24:22
14-Sep-1984 12:23:07

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

: 157 0726 1 END
: 158 0727 1
: 159 0728 0 ELUDOM

! of module EDT\$FINDKEY

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 111 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	1	0	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[EDT.SRC]KEYPADDEF.L32;1	34	7	20	7	00:00.1

COMMAND QUALIFIERS

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

: Size: 111 code + 0 data bytes
: Run Time: 00:11.6
: Elapsed Time: 00:31.1
: Lines/CPU Min: 3768
: Lexemes/CPU-Min: 11792
: Memory Used: 75 pages
: Compilation Complete

