



```
DDDDDDDD  EEEEEEEEEE  FFFFFFFFFF  KK      KK  EEEEEEEEEE  YY      YY
DDDDDDDD  EEEEEEEEE  FFFFFFFFFF  KK      KK  EEEEEEEEEE  YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EEEEEEEE  FFFFFFFFFF  KK      KK  EE          YY      YY
DD      DD  EEEEEEEE  FFFFFFFFFF  KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EE          FF          KK      KK  EE          YY      YY
DD      DD  EEEEEEEE  FFFFFFFFFF  KK      KK  EEEEEEEEEE  YY      YY
DD      DD  EEEEEEEE  FFFFFFFFFF  KK      KK  EEEEEEEEEE  YY      YY
DD      DD  EEEEEEEE  FFFFFFFFFF  KK      KK  EEEEEEEEEE  YY      YY
```

```
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$DEFKEY - define a key'
2 0002 0 MODULE EDT$DEFKEY ( ! Define a key
3 0003 0 IDENT = 'V04-000' ! File: DEFKEY.BLI Edit: JBS1005
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 *
13 0013 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
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 Define a key
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: 6-AUG-1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
45 0045 1 extracting routine EDT$$DEFK from module EDTCTR.
46 0046 1 1-002 - Regularize headers. JBS 04-Mar-1981
47 0047 1 1-003 - Implement virtual memory deallocation. TMV 6-Aug-81
48 0048 1 1-004 - Return an error code to distinguish the types of errors. JBS 18-May-1982
49 0049 1 1-005 - New implementation of defined keys. JBS 13-Aug-1982
50 0050 1 --
51 0051 1

```

EDT\$DEFKEY  
V04-000

EDT\$DEFKEY - define a key  
Declarations

C 2  
16-Sep-1984 00:16:52  
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[EDT.SRC]DEFKEY.BLI;1 Page 2  
(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 'EDT$SRC:TRAROUNAM';
: 59      0496 1 |
: 60      0497 1 FORWARD ROUTINE
: 61      0498 1     EDT$$DEFK;
: 62      0499 1 |
: 63      0500 1 |
: 64      0501 1 | INCLUDE FILES:
: 65      0502 1 |
: 66      0503 1 |
: 67      0504 1 REQUIRE 'EDT$SRC:EDTREQ';
: 68      0639 1 |
: 69      0640 1 LIBRARY 'EDT$SRC:KEYPADDEF';
: 70      0641 1 |
: 71      0642 1 |
: 72      0643 1 | MACROS:
: 73      0644 1 |
: 74      0645 1 |     NONE
: 75      0646 1 |
: 76      0647 1 | EQUATED SYMBOLS:
: 77      0648 1 |
: 78      0649 1 |     NONE
: 79      0650 1 |
: 80      0651 1 | OWN STORAGE:
: 81      0652 1 |
: 82      0653 1 |     NONE
: 83      0654 1 |
: 84      0655 1 | EXTERNAL REFERENCES:
: 85      0656 1 |
: 86      0657 1 |     In the routine

```

```
88 0658 1 %SBTTL 'EDT$$DEFK - define a key'
89 0659 1
90 0660 1 GLOBAL ROUTINE EDT$$DEFK (
91 0661 1     KEY,
92 0662 1     STRING,
93 0663 1     LEN
94 0664 1     ) =
95 0665 1
96 0666 1 !++
97 0667 1 ! FUNCTIONAL DESCRIPTION:
98 0668 1
99 0669 1     Define a key. It is entered in the table of defined keys
100 0670 1     so that EDT$$FIND_KEY can find it.
101 0671 1
102 0672 1 ! FORMAL PARAMETERS:
103 0673 1
104 0674 1     KEY             Key number to define
105 0675 1
106 0676 1     STRING          Address of new definition string
107 0677 1
108 0678 1     LEN             Length of that definition
109 0679 1
110 0680 1 ! IMPLICIT INPUTS:
111 0681 1
112 0682 1     NONE
113 0683 1
114 0684 1 ! IMPLICIT OUTPUTS:
115 0685 1
116 0686 1     EDT$$A_TRN_TBL
117 0687 1
118 0688 1 ! ROUTINE VALUE:
119 0689 1
120 0690 1     1 = key defined
121 0691 1     any even number - an error code to be printed using EDT$$OUT_MSG.
122 0692 1
123 0693 1 ! SIDE EFFECTS:
124 0694 1
125 0695 1     Allocates dynamic memory for the key definition
126 0696 1
127 0697 1 !--
128 0698 1
129 0699 2     BEGIN
130 0700 2
131 0701 2     EXTERNAL ROUTINE
132 0702 2     EDT$$TST_BADK,
133 0703 2     EDT$$SCAN_KDEF,
134 0704 2     EDT$$ALO_HEAP;
135 0705 2
136 0706 2     EXTERNAL
137 0707 2     EDT$$A_TRN_TBL : VECTOR;
138 0708 2
139 0709 2     MESSAGES ((KEYNOTDEF, INSMEM));
140 0710 2
141 0711 2     LOCAL
142 0712 2     KEY_PTR : REF BLOCK [, BYTE] FIELD (KEY_DEF_FIELD),
143 0713 2     STATUS;
144 0714 2
```

```

145 0715 2      IF EDT$$TST_BADK (.KEY) THEN RETURN (EDT$_KEYNOTDEF);
146 0716 2
147 0717 2      !+
148 0718 2      Cancel any existing definition of the key.
149 0719 2      !-
150 0720 2      STATUS = EDT$$SCAN_KDEF (.KEY);
151 0721 2
152 0722 2      IF ( NOT .STATUS) THEN RETURN (.STATUS);
153 0723 2
154 0724 2      !+
155 0725 2      Allocate storage to hold the key definition.
156 0726 2      !-
157 0727 2
158 0728 2      IF ( NOT EDT$$ALO_HEAP (%REF (.LEN + KEY_DEF_OVERHEAD), KEY_PTR)) THEN RETURN (EDT$_INSMEM);
159 0729 2
160 0730 2      !+
161 0731 2      Load up the key definition block and store in the table.
162 0732 2      !-
163 0733 2      KEY_PTR [KEY_DEF_NEXT] = .EDT$$A_TRN_TBL [.KEY MOD K_KPAD_HASHSIZ];
164 0734 2      KEY_PTR [KEY_DEF_KEY] = .KEY;
165 0735 2      KEY_PTR [KEY_DEF_LEN] = .LEN;
166 0736 2      EDT$$A_TRN_TBL [.KEY MOD K_KPAD_HASHSIZ] = .KEY_PTR;
167 0737 2      EDT$$COPY_MEM (.LEN, .STRING, CH$PTR (KEY_PTR [KEY_DEF_TEXT]));
168 0738 2      RETURN (T);
169 0739 1      END;

```

! of routine EDT\$\$DEFK

```

.TITLE EDT$DEFKEY EDT$DEFKEY - define a key
.IDENT \V04-000\

.EXTRN EDT$$TST_BADK, EDT$$SCAN_KDEF
.EXTRN EDT$$ALO_HEAP, EDT$$A_TRN_TBL
.EXTRN EDT$_KEYNOTDEF, EDT$_INSMEM

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

```

```

                                003C 00000
                                5E          08 C2 00002
                                04          AC DD 00005
00000000G 00          01 FB 00008
                                08          50 E9 0000F
00000000G 50 00000000G 8F D0 00012
                                04 00019
                                04          AC DD 0001A 1$:
00000000G 00          01 FB 0001D
                                53          50 E9 00024
                                04          AE 9F 00027
04 AE 0C AC          07 C1 0002A
                                04          AE 9F 00030
00000000G 00          02 FB 00033
                                08          50 E8 0003A
00000000G 50 00000000G 8F D0 0003D
                                04 00044
                                51          04 AE D0 00045 2$:
7E AC          01 7A 00049
50 50          8E 000000C7 8F 7B 0004F
                                50 00000000G0040 DE 00058

.ENTRY EDT$$DEFK, Save R2,R3,R4,R5
SUBL2 #8, SP
PUSHL KEY
CALLS #1, EDT$$TST_BADK
BLBC R0, 1$
MOVL #EDT$_KEYNOTDEF, R0
RET
PUSHL KEY
CALLS #1, EDT$$SCAN_KDEF
BLBC STATUS, 3$
PUSHAB KEY_PTR
ADDL3 #7, LEN, 4(SP)
PUSHAB 4(SP)
CALLS #2, EDT$$ALO_HEAP
BLBS R0, 2$
MOVL #EDT$_INSMEM, R0
RET
MOVL KEY_PTR, R1
EMUL #1, KEY, #0, -(SP)
EDIV #199, (SP)+, R0, R0
MOVAL EDT$$A_TRN_TBL[R0], R0

```

EDT\$DEFKEY  
V04-000

EDT\$DEFKEY - define a key  
EDT\$\$DEFK - define a key

F 2  
16-Sep-1984 00:16:52  
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1

Page 5  
(3)

		04	61		60	D0	00060		MOVL	(R0), (R1)	:	
		04	A1	04	AC	B0	00063		MOVW	KEY, 4(R1)	:	0734
		06	A1	0C	AC	90	00068		MOVB	LEN, 6(R1)	:	0735
			60		51	D0	0006D		MOVL	R1, (R0)	:	0736
07	A1	08	BC	0C	AC	28	00070		MOVC3	LEN, @STRING, 7(R1)	:	0737
			50		01	D0	00077		MOVL	#1, R0	:	0738
					04	0007A	3\$:		RET		:	0739

: Routine Size: 123 bytes, Routine Base: \_EDT\$CODE + 0000

: 170 0740 1  
: 171 0741 1 !<BLF/PAGE>

EDT\$DEFKEY  
V04-000

EDT\$DEFKEY - define a key  
EDT\$\$DEFK - define a key

G 2  
16-Sep-1984 00:16:52  
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742  
DISK\$VM\$MASTER:[EDT.SRC]DEFKEY.BLI;1

Page 6  
(4)

: 173 0742 1 END  
: 174 0743 1  
: 175 0744 0 ELUDOM

! of module EDT\$DEFKEY

PSECT SUMMARY

Name Bytes Attributes  
\_EDT\$CODE 123 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\$:DEFKEY/OBJ=OBJ\$:DEFKEY MSRC\$:DEFKEY.BLI/UPDATE=(ENH\$:DEFKEY)

: Size: 123 code + 0 data bytes  
: Run Time: 00:11.5  
: Elapsed Time: 00:14.4  
: Lines/CPU Min: 3868  
: Lexemes/CPU-Min: 12306  
: Memory Used: 75 pages  
: Compilation Complete



A grid of 100 small window screenshots arranged in 10 rows and 10 columns. Each window displays a different system utility or command interface. The titles of the windows, which are highlighted in the provided description, include:

- EXTEND LIS
- FDEC LIS
- FILL LIS
- FINDPARA LIS
- FDIR LIS
- EDT LIS
- EXEC LIS
- EXECNOO LIS
- FILEIO LIS
- FINDKEY LIS
- FCO.INC LIS
- DEFKEY LIS
- ERRMSG LIS
- FCHAR LIS
- FINAL LIS
- FINDHDR LIS

Other windows contain various data lists, command prompts, and system status information.