


```

KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EE          YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EEEEEEEEE  YY      YY  PPPPPPP  AAAAAA  DDDDDDD  DDDDDDD  EEEEEEEEE  FFFFFFFF
KK      KK  EEEEEEEEE  YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EEEEEEEEE  YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EEEEEEEEE  YY      YY  PP      PP  AA      AA  DD      DD  DD      DD  EE          FF
KK      KK  EEEEEEEEE  YY      YY  PP      PP  AA      AA  DDDDDDD  DDDDDDD  EEEEEEEEE  FF
KK      KK  EEEEEEEEE  YY      YY  PP      PP  AA      AA  DDDDDDD  DDDDDDD  EEEEEEEEE  FF

```

```

LL      I I I I I  S S S S S S
LL      I I I I I  S S S S S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S S S S
LL      I I          S S S S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I          S S
LL      I I I I I  S S S S S S
LL      I I I I I  S S S S S S

```



0001 0
0002 0
0003 0
0004 0
0005 0
0006 0
0007 0
0008 0
0009 0
0010 0
0011 0
0012 0
0013 0
0014 0
0015 0
0016 0
0017 0
0018 0
0019 0
0020 0
0021 0
0022 0
0023 0
0024 0
0025 0
0026 0
0027 0
0028 0
0029 0
0030 0
0031 0
0032 0

```
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*****
```

```
*  
* This file, KEYPADDEF.REQ, defines symbols and structures for the keypad,  
* and for definable keys in general.  
*  
* Revision history:  
* 1-001 - Original. JBS 13-Aug-1982  
* 1-002 - Provide a large hash table on VAX/VMS. JBS 17-Aug-1982  
* <BLF/PAGE>
```

0033 0
0034 0
0035 0
0036 0
0037 0
0038 0
0039 0
0040 0
0041 0
0042 0
0043 0
0044 0
0045 0
0046 0
0047 0
0048 0
0049 0
0050 0
0051 0
0052 0
0053 0
0054 0
0055 0
0056 0
0057 0
0058 0
0059 0
0060 0
0061 0
0062 0
0063 0
0064 0
0065 0
0066 0
0067 0
0068 0
0069 0
0070 0
0071 0
0072 0
0073 0
0074 0
0075 0
0076 0
0077 0
0078 0
0079 0
0080 0
0081 0
0082 0
0083 0
0084 0
0085 0
0086 0
0087 0
0088 0
0089 0

!+
! Define symbols for the values that correspond to the keys.
! Values 0 to 127 are ASCII characters, 128 to 255 are the
! DEC Multinational Supplementary set.
!-

LITERAL

K_KPAD_BASE = 300, ! Base for the 22 keypad keys
K_FUN_BASE = 400, ! Base for the 100 function keys
K_MAX_FUN_VAL = 99, ! Maximum function key value
K_GOLD_BASE = 500, ! Add for GOLD prefix
K_KEY_MAX = 999; ! Maximum key value

!+
! Define the special keypad keys.
! These are the numeric values used for the definable keys.
!-

LITERAL

K_0 = K_KPAD_BASE + 0.
K_1 = K_KPAD_BASE + 1.
K_2 = K_KPAD_BASE + 2.
K_3 = K_KPAD_BASE + 3.
K_4 = K_KPAD_BASE + 4.
K_5 = K_KPAD_BASE + 5.
K_6 = K_KPAD_BASE + 6.
K_7 = K_KPAD_BASE + 7.
K_8 = K_KPAD_BASE + 8.
K_9 = K_KPAD_BASE + 9.
K_PF2 = K_KPAD_BASE + 10.
K_PF3 = K_KPAD_BASE + 11.
K_UP = K_KPAD_BASE + 12.
K_DOWN = K_KPAD_BASE + 13.
K_RIGHT = K_KPAD_BASE + 14.
K_LEFT = K_KPAD_BASE + 15.
K_DOT = K_KPAD_BASE + 16.
K_PF4 = K_KPAD_BASE + 17.
K_MINUS = K_KPAD_BASE + 18.
K_COMMA = K_KPAD_BASE + 19.
K_PF1 = K_KPAD_BASE + 20.
K_ENTER = K_KPAD_BASE + 21;

!+
! The following structure holds a defined key.
!-

FIELD

KEY_DEF_FIELD =
SET
KEY_DEF_NEXT = [0, 0, %BPADDR, 0], ! Pointer to next in this bucket, must be first
KEY_DEF_KEY = [%BPADDR/8, 0, 16, 0], ! code for this key, 0 to K_KEY_MAX
KEY_DEF_LEN = [(%BPADDR/8) + 2, 0, 8, 0], ! Length of the definition
KEY_DEF_TEXT = [(%BPADDR/8) + 3, 0, 0, 0] ! Start of definition text
TES;

LITERAL

```
: 0090 0      KEY_DEF_OVERHEAD = %FIELDEXPAND (KEY_DEF_TEXT, 0); ! Amount to add to text size to get structure size
: 0091 0
: 0092 0
: 0093 0      !+
: 0094 0      ! Define the length of the hash table that holds pointers to key definitions.
: U 0095 0      !IF %BLISS(BLISS16) %THEN
: U 0096 0      !     LITERAL K_KPAD_HASHSIZ = 1;           ! Very short table for PDP-11
: 0097 0      !ELSE
: 0098 0      !     LITERAL K_KPAD_HASHSIZ = 199;         ! Plenty of room on VAX-11
: 0099 0      !%FI
: 0100 0
: 0101 0      !     [ End of file KEYPADDEF.REQ ]
```

COMMAND QUALIFIERS

```
: BLISS/LIBRARY=EDTSRC:KEYPADDEF/LIST=LISS:/SOURCE=REQUIRE SRC$:KEYPADDEF
: Run Time:      00:01.0
: Elapsed Time:  00:03.1
: Lines/CPU Min: 6247
: Lexemes/CPU-Min: 17010
: Memory Used:  10 pages
: Library Precompilation Complete
```

: R

:
:

KEYPADDEF LIS	LDIVISION LIS		
KEYDEFKEY LIS	KEYFMTSTR LIS	LDEFK LIS	LFILL LIS
KEYCHR LIS	KEYCOM LIS	KEYIMMNP LIS	LDELETE LIS
KEYPUTCHR LIS	LCLEAR LIS		
KEYPAD LIS	LDEFM LIS	RECOUNT LIS	LFILNO LIS
KEYTRNCHR LIS			