C 10

```
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEEEEEEEEEEE     DDD         DDD        TTT
EEEEEEEEEEEE     DDD         DDD        TTT
EEEEEEEEEEEE     DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEE              DDD         DDD        TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD           TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD           TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD           TTT
```

```
EX
Mo
--
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
SY
LB
LI
```

FILEID**KEYPADDEF

```
KK      KK  EEEEEEEEEE  YY      YY  PPPPPPPP      AAAAAA    DDDDDDDD    DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
KK      KK  EEEEEEEEEE  YY      YY  PPPPPPPP      AAAAAA    DDDDDDDD    DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
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
KKKKKK      EEEEEEEE        YY      PPPPPPPP    AA      AA  DD      DD  DD      DD  EEEEEEEE    FFFFFFFF
KKKKKK      EEEEEEEE        YY      PPPPPPPP    AA      AA  DD      DD  DD      DD  EEEEEEEE    FFFFFFFF
KK    KK    EE              YY      PP          AAAAAAAAAA  DD      DD  DD      DD  EE          FF
KK    KK    EE              YY      PP          AAAAAAAAAA  DD      DD  DD      DD  EE          FF
KK      KK  EE              YY      PP          AA      AA  DD      DD  DD      DD  EE          FF               ....
KK      KK  EE              YY      PP          AA      AA  DD      DD  DD      DD  EE          FF               ....
KK      KK  EEEEEEEEEE      YY      PP          AA      AA  DDDDDDDD    DDDDDDDD    EEEEEEEEEE  FF               ....
KK      KK  EEEEEEEEEE      YY      PP          AA      AA  DDDDDDDD    DDDDDDDD    EEEEEEEEEE  FF               ....

RRRRRRRR    EEEEEEEEEE    QQQQQQ
RRRRRRRR    EEEEEEEEEE    QQQQQQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RRRRRRRR    EEEEEEEE    QQ      QQ
RRRRRRRR    EEEEEEEE    QQ      QQ
RR  RR      EE          QQ  QQ  QQ
RR  RR      EE          QQ  QQ  QQ
RR    RR    EE          QQ    QQ
RR    RR    EE          QQ    QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
```

```
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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>
```

```
!+
! Define symbols for the values that correspond to the keys.
! Values 0 to 127 are ASCII characters, 128 to 255 are the
! DEC Multinational Supplementry 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;                            ! Maximun 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
    KEY_DEF_OVERHEAD = %FIELDEXPAND (KEY_DEF_TEXT, 0);  ! Amount to add to text size to get structure size

!+
! Define the length of the hash table that holds pointers to key definitions.
!-
%IF %BLISS(BLISS16) %THEN
        LITERAL K_KPAD_HASHSIZ = 1;             ! Very short table for PDP-11
%ELSE
        LITERAL K_KPAD_HASHSIZ = 199;           ! Plenty of room on VAX-11
%FI
!
!       [ End of file KEYPADDEF.REQ ]
```

0130 AH-BT13A-SE
VAX/VMS V4.0

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ERRMSG
REQ

TRACEOFF
REQ

SUPPORTS
REQ

TRAROUNAM
REQ

BADKEY
LIS

CHMCMBLIN
LIS

TRACEON
REQ

TRANSLATE
REQ

CALLWIO
LIS

CHMBEGSEN
LIS

CHMBELL
LIS

SYSSYM
REQ

TRANNAMES
REQ

CHMCHGC
LIS

CHMDELLIN
LIS

TRACELIT
REQ

EDTREQ
REQ

KEYPADDEF
REQ

CALLFIO
LIS

CHMBEGWRD
LIS

CHMCLRCC
LIS

CHMBEEP
LIS

CHMCHANGE
LIS

TRACEMAC
REQ

CHMDELCHR
LIS

PSECTS
REQ

VERSION
REQ

CHMCHKCC
LIS

CHMEINPUT
LIS