```
                                                                      L 8

DDDDDDDDDDDD     UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDDDDDDDDDDD     UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDDDDDDDDDDD     UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDD         DDD  UUU         UUU  MMMMMM   MMMMMM  PPP         PPP
DDD         DDD  UUU         UUU  MMMMMM   MMMMMM  PPP         PPP
DDD         DDD  UUU         UUU  MMMMMM   MMMMMM  PPP         PPP
DDD         DDD  UUU         UUU  MMM   MMM   MMM  PPP         PPP
DDD         DDD  UUU         UUU  MMM   MMM   MMM  PPP         PPP
DDD         DDD  UUU         UUU  MMM   MMM   MMM  PPP         PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDD         DDD  UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDD         DDD  UUU         UUU  MMM         MMM  PPPPPPPPPPPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDD         DDD  UUU         UUU  MMM         MMM  PPP
DDDDDDDDDDDD     UUUUUUUUUUUUUUU  MMM         MMM  PPP
DDDDDDDDDDDD     UUUUUUUUUUUUUUU  MMM         MMM  PPP
DDDDDDDDDDDD     UUUUUUUUUUUUUUU  MMM         MMM  PPP
```

```
**FILE**ID**DUMPRE
```

```
DDDDDDDD    UU      UU  MM      MM  PPPPPPPP    RRRRRRRR    EEEEEEEEEE
DDDDDDDD    UU      UU  MM      MM  PPPPPPPP    RRRRRRRR    EEEEEEEEEE
DD      DD  UU      UU  MMMM  MMMM  PP      PP  RR      RR  EE
DD      DD  UU      UU  MMMM  MMMM  PP      PP  RR      RR  EE
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE
DD      DD  UU      UU  MM      MM  PPPPPPPP    RRRRRRRR    EEEEEEEE
DD      DD  UU      UU  MM      MM  PPPPPPPP    RRRRRRRR    EEEEEEEE
DD      DD  UU      UU  MM      MM  PP          RR  RR      EE
DD      DD  UU      UU  MM      MM  PP          RR  RR      EE
DD      DD  UU      UU  MM      MM  PP          RR    RR    EE               ....
DD      DD  UU      UU  MM      MM  PP          RR    RR    EE               ....
DDDDDDDD    UUUUUUUUUU  MM      MM  PP          RR      RR  EEEEEEEEEE       ....
DDDDDDDD    UUUUUUUUUU  MM      MM  PP          RR      RR  EEEEEEEEEE       ....

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
```

```
!
!       DUMPRE.REQ - DUMP Common Definitions
!
! Version:      'V04-000'
!
!****************************************************************************
!*                                                                          *
!*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
!*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                  *
!*  ALL RIGHTS RESERVED.                                                    *
!*                                                                          *
!*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
!*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
!*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
!*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
!*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
!*  TRANSFERRED.                                                            *
!*                                                                          *
!*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
!*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
!*  CORPORATION.                                                            *
!*                                                                          *
!*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
!*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
!*                                                                          *
!*                                                                          *
!****************************************************************************
!
!
!++
!
! FACILITY:  File dump utility.
!
! ABSTRACT:
!       This file contains the common definitions for DUMP.
!
! ENVIRONMENT:
!       VAX native, user mode.
!
!--
!
! AUTHOR:  Benn Schreiber, Stephen Zalewski      CREATION DATE:  22-Jun-1981
!
! MODIFIED BY:
!
!       V03-001 LMP0030         L. Mark Pilant,         15-Jun-1982  14:00
!               Add offsets necessary for $GETDVI arg block.
!
!       V02-001 MLJ0033         Martin L. Jack, 23-Aug-1981  9:49
!               Extensive rewriting to finish implementation.
!
!**
```

```
LITERAL
    true = 1,
    false = 0;

! Define VMS block structures (BLOCK[,BYTE])
!
STRUCTURE
    BBLOCK [O, P, S, E; N] =
                [N]
                (BBLOCK + O) <P, S, E>;


MACRO

        ! Macro to generate a pointer to a counted string
        !
        cstring(string)=
            uplit byte(%ascic string) %;
```

```
MACRO

        ! Field definitions for DUMP$GL_FLAGS, general flags.
        !
        DUMP$V_ALLOCATED=        0,0,1,0 %,        ! /ALLOCATED
        DUMP$V_BLOCKS=           0,1,1,0 %,        ! /BLOCKS
        DUMP$V_BYTE=             0,2,1,0 %,        ! /BYTE
        DUMP$V_DECIMAL=          0,3,1,0 %,        ! /DECIMAL
        DUMP$V_FILE_HEADER=      0,4,1,0 %,        ! /FILE_HEADER
        DUMP$V_FORMATTED=        0,5,1,0 %,        ! /FORMATTED
        DUMP$V_HEADER=           0,6,1,0 %,        ! /HEADER
        DUMP$V_HEX=              0,7,1,0 %,        ! /HEXADECIMAL
        DUMP$V_LONGWORD=         0,8,1,0 %,        ! /LONGWORD
        DUMP$V_NUMBER=           0,9,1,0 %,        ! /NUMBER
        DUMP$V_OCTAL=            0,10,1,0 %,       ! /OCTAL
        DUMP$V_OUTPUT=           0,11,1,0 %,       ! /OUTPUT
        DUMP$V_PRINTER=          0,12,1,0 %,       ! /PRINTER
        DUMP$V_RECORDS=          0,13,1,0 %,       ! /RECORDS
        DUMP$V_WORD=             0,14,1,0 %,       ! /WORD
        DUMP$V_START=            0,15,1,0 %,       ! START=
        DUMP$V_END=              0,16,1,0 %,       ! END=
        DUMP$V_COUNT=            0,17,1,0 %,       ! COUNT=

        DUMP$V_TPA_START=        0,28,1,0 %,       ! Parsing START=value
        DUMP$V_TPA_END=          0,29,1,0 %,       ! Parsing END=value
        DUMP$V_TPA_COUNT=        0,30,1,0 %,       ! Parsing COUNT=value
        DUMP$V_TPA_NUMBER=       0,31,1,0 %;       ! Parsing /NUMBER=value

LITERAL
        DUMP$C_DEFLISIZ=         80,               ! Default listing size
        DUMP$C_MAXLISIZ=         132,              ! Maximum listing size
        DUMP$C_RMSBUFSZ=         32767,            ! Largest RMS record
        DUMP$C_TAPBUFSZ=         65535,            ! Size of tape buffer
        DUMP$C_QIOBUFSZ=         512;              ! Size of other QIO buffer

MACRO
        DUMPDVI_W_SIZE=          0,0,16,0 %,       ! Size of the information block
        DUMPDVI_W_TYPE=          2,0,16,0 %,       ! Item code
        DUMPDVI_L_ADDR=          4,0,32,0 %,       ! Address of the return buffer
        DUMPDVI_L_LEN=           8,0,32,0 %,       ! Length of the info returned
        DUMPDVI_L_END=           12,0,32,0 %;      ! End marker (must be zero)

LITERAL
        DUMPDVI_C_EFN=           3;                ! EFN for $GETDVI call
```

0123 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY