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PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRRR     TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRRR     TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRRR     TTTTTTTTTTTTTTT  LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPP         PPP  AAA         AAA  SSS              RRR         RRR        TTT        LLL
PPPPPPPPPPPP     AAA         AAA     SSSSSSSSS     RRRRRRRRRRRR           TTT        LLL
PPPPPPPPPPPP     AAA         AAA     SSSSSSSSS     RRRRRRRRRRRR           TTT        LLL
PPPPPPPPPPPP     AAA         AAA     SSSSSSSSS     RRRRRRRRRRRR           TTT        LLL
PPP              AAAAAAAAAAAAAAA              SSS  RRR   RRR              TTT        LLL
PPP              AAAAAAAAAAAAAAA              SSS  RRR   RRR              TTT        LLL
PPP              AAAAAAAAAAAAAAA              SSS  RRR   RRR              TTT        LLL
PPP              AAA         AAA              SSS  RRR      RRR           TTT        LLL
PPP              AAA         AAA              SSS  RRR      RRR           TTT        LLL
PPP              AAA         AAA              SSS  RRR      RRR           TTT        LLL
PPP              AAA         AAA  SSSSSSSSSSSS     RRR         RRR        TTT        LLLLLLLLLLLLLLL
PPP              AAA         AAA  SSSSSSSSSSSS     RRR         RRR        TTT        LLLLLLLLLLLLLLL
PPP              AAA         AAA  SSSSSSSSSSSS     RRR         RRR        TTT        LLLLLLLLLLLLLLL
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**FILE**ID**PASPFV
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PPPPPPPP      AAAAAA      SSSSSSSS  PPPPPPPP    FFFFFFFFFF  VV      VV
PPPPPPPP      AAAAAA      SSSSSSSS  PPPPPPPP    FFFFFFFFFF  VV      VV
PP      PP  AA      AA  SS          PP      PP  FF          VV      VV
PP      PP  AA      AA  SS          PP      PP  FF          VV      VV
PP      PP  AA      AA  SS          PP      PP  FF          VV      VV
PP      PP  AA      AA  SS          PP      PP  FF          VV      VV
PPPPPPPP    AA      AA    SSSSSS    PPPPPPPP    FFFFFFFF    VV      VV
PPPPPPPP    AA      AA    SSSSSS    PPPPPPPP    FFFFFFFF    VV      VV
PP          AAAAAAAAAA          SS  PP          FF          VV      VV
PP          AAAAAAAAAA          SS  PP          FF          VV      VV
PP          AA      AA          SS  PP          FF            VV  VV        ....
PP          AA      AA          SS  PP          FF            VV  VV        ....
PP          AA      AA  SSSSSSSS    PP          FF              VV          ....
PP          AA      AA  SSSSSSSS    PP          FF              VV          ....


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
```

```
! Pascal File Variable (PFV$) field definitions
! File: PASPFV.REQ, Edit: SBL1001
!
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!****************************************************************************
!
! Author: Steven B. Lionel, 1-April-1981
!
! 1-001 - Original.  SBL 1-April-1981
!--

!+
! The Pascal File Variable (PFV) is a dynamically allocated block whose
! address is passed to the Run-Time Library to uniquely identify a file.
! For more information, see the VAX-11 Language Support Procedures reference
! Manual
!-

! PFV structure definition

FIELD
    PFV$FIELDS =
        SET

        PFV$R_PFV       = [0,0,0,0],    ! Field to address the entire structure.

        PFV$A_BUFFER    = [0,0,32,0],   ! Address of the user file buffer.  If
                                        ! PFV$V_RELBUF is set, this address is
                                        ! relative to the PFV address, otherwise
                                        ! it is absolute.


        PFV$B_VERSION   = [4,0,8,0],    ! The version number of the PFV layout.
                                        ! The latest version number is defined by
                                        ! the symbol PFV$K_CUR_VERSION.
        PFV$W_FLAGS     = [4,16,16,0],  ! Status flags which the Run-Time Library
                                        ! sets and clears to indicate the current status
                                        ! of the file.

        PFV$V_VALID     = [4,16,1,0],   ! Buffer is valid.  If this bit is set, then
                                        ! the remaining status bits and the file buffer
                                        ! itself may be read by the compiled code.  If
                                        ! clear, PAS$LOOK_AHEAD must be called to make
                                        ! the information valid.

        PFV$V_DFB       = [4,17,1,0],   ! Buffer is defined.  If set, the last file
                                        ! operation resulted in a "defined" file buffer
                                        ! by the semantics of Pascal.  If clear, the
                                        ! file buffer is "undefined".  If PFV$V_EOF_DEFINED
                                        ! is set, EOF(f) is equivalent to .NOT. PAS$V_DFB

        PFV$V_EOF_DEFINED = [4,18,1,0], ! EOF(f) is a valid test.  After some file
                                        ! operations, EOF(f) is not a valid test to make.
                                        ! If this bit is set, EOF(f) is true if and only
                                        ! if PAS$V_DFB is clear.

        PFV$V_EOLN      = [4,19,1,0],   ! File is at end-of-line.

        PFV$V_RELBUF    = [4,27,1,0],   ! PFV$A_BUFFER address is relative to
                                        ! the PFV address.  If clear, the address
                                        ! is absolute.

        PFV$V_RELPFD    = [4,28,1,0],   ! PFV$A_PFD address is relative to the
                                        ! PFV address.  If clear, the address is
                                        ! absolute.

        PFV$V_OPEN      = [4,29,1,0],   ! File is open.

        PFV$V_FCB_VALID = [4,30,1,0],   ! This bit is set when PFV$A_FCB contains
                                        ! the address of a valid FCB.  If clear,
                                        ! PFV$A_FCB contains the condition code
                                        ! for the last error to occur on that
                                        ! file.

        PFV$V_LOCK      = [4,31,1,0],   ! This is the interlock bit used by the Run-Time
                                        ! Library to prevent recursive I/O on the same
                                        ! file.

        PFV$A_PFD       = [8,0,32,0],   ! Address of the Pascal File Descriptor
                                        ! (PFD).  If PFV$V_RELPFD is set, this
                                        ! is relative to the PFV address, otherwise
                                        ! it is absolute.

        PFV$A_FCB       = [12,0,32,0],  ! Address of the Run-Time Library's internal
                                        ! File Control Block (FCB) for this file.  This
                                        ! field must be initially zero! the Run-Time
                                        ! Library fills it in when the file is opened.

        PFV$L_STATUS    = [12,0,32,0]   ! A synonym for PFV$A_FCB.
                                        ! If PFV$V_FCB_VALID is clear, this
                                        ! field is used to store the condition
```

```
                                               ! code of the last error to occur on this
                                               ! file when the file was not open.

        TES;

LITERAL
    PFV$K_CUR_VERSION   = 0,                        ! Current version of PFV
    PFV$K_SIZE          = 16;                       ! Size of PFV in bytes

MACRO
    $PAS$PFV_FILE_VARIABLE = BLOCK [PFV$K_SIZE, BYTE] FIELD (PFV$FIELDS) %;

! End of file PASPFV.REQ
```

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VAX/VMS V4.0

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PASRT1
LIS

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REQ

PASFCB
SDL

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REQ

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REQ

PASABSL
LIS

PASCARD2
LIS

PASRTL

PASBUGCOD
REQ

PASCLOSE2
LIS

PASRT2
LIS

PASRT3
LIS

PASRTL
MAP

PASIO4
LIS

PASEXTERN
REQ

PASKDB
REQ

PASPFD
REQ

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REQ

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