


```
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      VV
PP      AA      AA      SSSSSSSS      PP      FF      VV      VV
```

```
RRRRRRRR      EEEEEEEEE      QQQQQQ
RRRRRRRR      EEEEEEEEE      QQQQQQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ
```


! Pascal File Variable (PFV\$) field definitions
File: PASPFV.REQ, Edit: SBL1001

```
*****
*
* 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.
*
*****
```

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, PASS\$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. PASS\$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 PASS\$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

\$PASSPFV_FILE_VARIABLE = BLOCK [PFV\$K_SIZE, BYTE] FIELD (PFV\$FIELDS) %;

! End of file PASPFV.REQ

.....

0293 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

A grid of 20 columns and 15 rows of document titles. Each cell contains a title, often followed by 'LIS' or 'REQ', indicating the type of document. The titles are: Row 1: PASRT1 LIS, PASMACROS REQ; Row 2: PASFCB SDL, PASPROLOG REQ; Row 3: PASOPEDEF REQ; Row 4: PASABSL LIS, PASCARD2 LIS; Row 5: PASRTL, PASBUGCOD REQ, PASCLOSE2 LIS; Row 6: PASRT2 LIS, PASRT3 LIS, PASRTL MAP; Row 7: PASEXTERN REQ, PASKDB REQ, PASPFD REQ; Row 8: PASCONVER LIS; Row 9: PASLIB REQ, PASPFU REQ, PASBIN LIS; Row 10: PASLOCK2 LIS