PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP		AAAAAAA		\$	RRRR	RRRRRRRR		LLL	
PPPPPPPPPPP		AAAAAAA		SSSSSSSSSS	RRRR	RRRRRRRR	TTTTTTTTTTTTTT	LLL	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	TTT	LLL	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	İİİ	iii	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	iii		
								LLL	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	III	LLL	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	TTT	LLL	
PPP	PPP	AAA	AAA	SSS	RRR	RRR	TTT	LLL	
PPPPPPPPPPP		AAA	AAA	SSSSSSSS RRRRRRRRRRRR		TTT	III		
PPPPPPPPPPPP		AAA	AAA	SSSSSSSS			ŤŤŤ	III	
PPPPPPPPPPPP		AAA	AAA	SSSSSSSSS			tit	iii	
PPP			AAAAAAA	SSS	RRR	RRR	iii	iii	
PPP			AAAAAAA	222	RRR	RRR	ĪĪĪ	rrr	
PPP		AAAAAAAAAAAA		SSS	RRR	RRR	III	LLL	
PPP		AAA	AAA	SSS	RRR	RRR	III	LLL	
PPP		AAA	AAA	SSS	RRR	RRR	TTT	LLL	
PPP		AAA	AAA	SSS	RRR	RRR	TTT	III	
PPP		AAA	AAA	SSSSSSSSSSS	RRR	RRR	İİİ	IIIIIIIIIIIII	
PPP		AAA		\$\$\$\$\$\$\$\$\$\$\$\$\$	RRR	RRR		1111111111111111	
			AAA				iii	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	
PPP		AAA	AAA	SSSSSSSSSSS	RRR	RRR	111	LLLLLLLLLLLLLLL	

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PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAA AA AA AA AA AA AA AA AA AA AA AA AA AAAAAAAA	\$	######################################	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
\$	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD			

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{ Pascal File Control Block (FCB\$) field definitions { File: PASFCB.SDL, Edit: SBL1006 MODULE SFCBDEF IDENT "1-006";

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Author: Steven B. Lionel, 1-April-1981

1-001 - Original. SBL 1-April-1981 1-002 - Replace "." with ":" for SDL V1.5. SBL 16-July-1982 1-003 - Add FCB\$V_RND. SBL 29-July-1982

1-004 - Replace FCB\$V RND with FCB\$V FOD. SBL 29-July-1982 1-005 - Add FCB\$V INITIATE PROMPT. SBL 15-Dec-1982 1-006 - Use MARKER. SBL 10-Feb-1983

The Pascal File Control Block (FCB\$) is dynamically allocated by the Run-Time Library and contains internal information necessary to the RTL to control file processing. The allocated block actually contains the FCB followed by the RMS RAB, FAB and NAM blocks. The pointer to this storage is identified as FCB inside the RTL and points to the RAB. The FCB is at negative offsets from this position.

The layout is as follows:

FCB RAB FAB NAM

<-- PFV\$A_FCB (in Pascal file Variable)

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AGGREGATE FCB STRUCT STRUCTURE PREFIX FCB$ MARKER FCB$ ORIGIN FCB;
QUEUE_FLINK LONGWORD UNSIGNED; { Forward link to queue of all
QUEUE_BLINK LONGWORD UNSIGNED; { Backward link to queue of all
SPARE_1 LONGWORD FILL;
RECORD NUMBER LONGWORD;
KEY_TYPES ADDRESS; { Vector of key types
NKEYS LONGWORD UNSIGNED; { Number of keys defined
                                                                                                  { Forward link to queue of all open files { Backward link to queue of all open files
                                                                                                         Current record number for textfiles
                                                                                                         Vector of key types
Number of keys defined
                                                                                                         Status of last operation for STATUS()
            STATUS LONGWORD;
            COMPONENT LONGWORD UNSIGNED:
                                                                                                         Component number for direct access
                                                                                                       Address of PFV
Linelimit of this file
Address of PFD
           PFV ADDRESS;
LINELIMIT LONGWORD UNSIGNED;
           PFD ADDRESS:
         PFD ADDRESS;
RECORD_BEG ADDRESS;
RECORD_CUR ADDRESS;
RECORD_END ADDRESS;
RECORD_LEN LONGWORD UNSIGNED;
ATTRIB_OVERLAP_UNION;
ATTRIB_WORD UNSIGNED;
ATTRIB_BITS_STRUCTURE;
TEXT_BITFIELD;
                                                                                                   { Beginning of record buffer { Current position in record buffer { Last+1 of record buffer { Length of record buffer
                                                                                                        Attributes of this file. This word is to be
                                                                                                        the same layout as PFD$W_ATTRIB.
                                                                                                       The file is of type TEXT.

The file is of a non-varying binary type.

The file is of a varying string type. The allocated buffer is two bytes bigger than the maximum record size (PFD$L_LENGTH).

The file variable is declared WRITEONLY.

The file variable is declared READONLY

The file is external; i.e. it has been declared in the PROGRAM or MODULE header.
                                 BINARY BITFIELD; 'VARYING' BITFIELD;
                                 NOREAD BITFIELD:
                                 NOWRITE BITFIELD:
                                 EXTERN BITFIELD:
         STATIC BITFIELD; { The file is statically allocated. HEAP BITFIELD; { The file is heap allocated via NEW. $$fill_1 BITFIELD LENGTH 8 FILL; END ATTRIB BITS; END ATTRIB OVERLAP; PROMPT CC WORD UNSIGNED; { Carriage control bytes for prompting CONSTANT CC_NULL EQUALS %X0000 PREFIX FCB TAG $K; { No control CONSTANT CC_NICR EQUALS %X0001 PREFIX FCB TAG $K; { LF before, no CONSTANT CC_NICR EQUALS %X8D00 PREFIX FCB TAG $K; { Nothing befor CONSTANT CC_LFCR EQUALS %X8D01 PREFIX FCB TAG $K; { LF before, CR OPTIONS1 OVERLAP UNION; OPTIONS1 LONGWORD UNSIGNED; OPTIONS1 BITS STRUCTURE; SEQUENTIAL BITFIELD; { Sequential access specified DIRECT BITFIELD; { Constant CC_Sequential access specified READ_ONLY BITFIELD; { Keyed access specified READ_ONLY BITFIELD; { File was opened READONLY
                                                                                                   { The file is statically allocated. { The file is heap allocated via NEW.
                                 STATIC BITFIELD:
                                                                                                                                                                   { No control { LF before, nothing after { Nothing before, CR after
                                                                                                                                                                    ( LF before, CR after
                                                                                                        Keyed access specified File was opened READONLY
                                 READ ONLY BITFIELD;
OLD FILE BITFIELD;
SAVE BITFIELD;
                                                                                                       file already exists
file is to be saved after close
file is to be deleted after close
                                 DELETE BITFIELD:
                                  PRINT BITFIELD:
                                                                                                        File is to be printed after close
                                  SUBMIT BITFIELD;
                                                                                                        File is to be submitted as a batch job after close
                                 USER_ACTION BITFIELD;
LAZY BITFIELD;
INSPECTION BITFIELD;
GENERATION BITFIELD;
                                                                                                        A USER_ACTION routine was specified
                                                                                                        Lazy-lookahead is in progress
file is in INSPECTION mode
                                                                                                    { File is in GENERATION mode
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