

IEEE Standards Interpretation for IEEE Std 1003.1™-1990 IEEE Standard for Information Technology--Portable Operating System Interfaces (POSIX®)

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Interpretation Request #44

Topic: creat() - share certain traits 341-344 **Relevant Sections:** 8.2.3 **Classification:** No Change required

Chapter 8 of POSIX.1 lists the functions required from the C Standard, required as part of POSIX.1 with the C Language Binding. Section 8.1 lines 25-29 specify the particular input/output functions required. Section 8.2 lines 193-198 state that functions from the C standard which "creat[e] a file shall do so as if they called the creat() function" with specified flags. Section 8.2.3 lines 341-345 describe that each function operating on a stream has "underlying functions" which "share certain traits with the underlying functions, but [do] not require that there be any relation between the implementations of the stream function and its underlying functions."

In lines 341-345, what does the term "share certain traits" mean? The descriptions of the individual functions list attributes in common with the underlying functions...is that what is intended?
(Jeremy Epstein)

Interpretation Response

The "underlying functions" are referenced only with regard to error detection (8.2.3.11). The phrase "share certain traits" imposes no additional normative requirements on its own.

Rationale for Interpretation

None.