

IEEE Standards Interpretation for IEEE Std 1003.1™-2001 IEEE Standard Standard for Information Technology -- Portable Operating System Interface (POSIX®)

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Interpretation Request #54

Topic: lockf() threads vs processes **Relevant Sections:** XSH lockf() Page: 715 Line: 23647

The lockf() man page is currently demanding contradicting behavior. Locking is supposed to have effect on thread or process level. The later is existing practice, only threads from different processes exclude each other. Threads from the same process do not. Therefore the man page must be changed in one place to make the transition from the original wording complete.

Line 23647. Change Calls to lockf() from other threads which attempt to lock the locked file section [...] to Calls to lockf() from threads in other processes which attempt to lock the locked file section [...]

Interpretation Response #54

The standard is unclear on this issue, and no conformance distinction can be made between alternative implementations based on this. This is being referred to the sponsor.

Rationale for Interpretation

None.