

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 #76

Topic: rename, final component dot or dot-dot **Relevant Sections:** XSH rename Page: 1232 Line: 38638

The rationale for rename(2), line 38727, states "Renaming dot or dot-dot is prohibited in order to prevent cyclical file system paths." However, nothing in the requirements mentions this restriction. Contrast this with rmdir(2), which explicitly forbids removing a pathname ending with a . or .. component.

Before line 38638, add a new paragraph: If either pathname argument refers to a path whose final component is either dot or dot-dot, rename() shall fail.

At line 38667, expand the EINVAL paragraph: The new directory pathname contains a path prefix that names the old directory, or either pathname argument contains a last component that is dot or dot-dot.

Interpretation Response #74

The standards states the requirements for rename(), and conforming implementations must conform to this. However, concerns have been raised about this which are being referred to the sponsor."

Rationale for Interpretation

None.