

## 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 #59

**Topic:** readdir\_r errors **Relevant Sections:** XSH readdir\_r Page: 1198 Line: 37516-37523

The errors section for readdir() and readdir\_r() has a shall fail EOVERFLOW error for readdir(), but not for readdir\_r(). The same condition applies to both functions and should be a shall fail error for both functions.

Similarly, EBADF and ENOENT are listed as may fail errors for readdir(), but only EBADF is listed as a may fail error for readdir\_r(). The ENOENT condition should apply to both functions.

Change "readdir() function" on P1198, L37516 to "readdir() and readdir\_r() functions".

Change "readdir() function" on P1198, L37519 to "readdir() and readdir\_r() functions".

Delete P1198, L37522-37523.

### Interpretation Response #59

The standards states the requirements for errors for readdir() and readdir\_r(), 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.