

N1922
Proposal for DR470

Blaine Garst
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In N1882 it is pointed out C11 does not clearly say that `mtx_trylock` can spuriously fail, and that although this can be inferred, the wording is far less clear than the corresponding section 30.4.1.2 in the C++11 standard.

Suggested Technical Corrigendum

In **7.26.4.5 The `mtx_trylock` function** replace paragraph 3

The `mtx_trylock` function returns `thrd_success` on success, or `thrd_busy` if the resource requested is already in use, or `thrd_error` if the request could not be honored.

with

The `mtx_trylock` function returns `thrd_success` on success, or `thrd_busy` if the resource requested is already in use, or `thrd_error` if the request could not be honored. In some implementations `mtx_trylock` may spuriously fail to lock an unused resource, in which case it shall return `thrd_busy`.