Proposed for C2X
WG14 N2424

Title: Why logp1
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Proposal category: Editorial
Reference: N2401 TS 18661-4a for C2X

Problem:

The integration of the math functions from TS 18661-4 into C2X introduces logp1 functions that are equivalent to the existing log1p functions:

7.12.6.14 The log1p and logp1 functions
...

Description

[2] The log1p functions are equivalent to the logp1 functions. …

The suggested change below offers guidance about which of these functions to use.

CFP is not proposing obsolescing log1p, because of concern, expressed by users, about its being removed.

Suggested change:

In 7.12.6.4#2, attach a footnote to the wording:

The log1p functions are equivalent to the logp1 functions.

where the footnote is:

*) The logp1 functions are preferred for name consistency with the log10p1 and log2p1 functions.