Proposal 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.