Proposal for C23
WG14 N2844

Title: Remove default argument promotions for _FloatN types
Author, affiliation: C FP group
Date: 2021-10-08
Proposal category: Editorial
Reference: N2561, N2601

In [SC22WG14.20460] Joseph Myers inquired about an approved change to N2561 (TSS 18661-3 annex update) that did not appear in N2601, the only subsequent update. The promised change was to remove the requirement in N2561 to include _Float16, _Float32 and _Float64 in default argument promotions. The suggested change below removes that requirement.

Suggested changes:

In N2601 X.6, remove the paragraph:

[3] The default argument promotions (6.5.2.2) for functions whose type does not include a prototype are expanded so that arguments that have type _Float16, _Float32, or _Float64 are promoted to double.