

WG14 N2474

C Floating Point Study Group Teleconference

February 19, 2020

8 AM PST / 11 PM EST / 4 PM UTC

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Global call-in numbers:

<https://ibm.webex.com/cmp3300/webcomponents/widget/globalcallin/globalcallin.do?siteurl=ibm&serviceType=MC&ED=711376817&tollFree=1>

Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

Draft Agenda

Meeting logistics

Note taker, mail out notes

Introduction of attendees

Approval of agenda

Notes from 2020-01-09 meeting

Posted on CFP wiki

Carry-over action items

CFP: Put the `tgmath` redefinition as a proposal to the standard once we have a base document with TS Part 3 in it.

Fred: Update erange proposal based on CFP 1437 and CFP teleconference discussion.

David H: Draft words to recommend honoring properties (Ex. even/odd, periodicity) of math functions that would follow automatically from correct rounding.

Jim: Find a place for words about math function properties. Coordinate with David H (previous AI).

Action items from 2020-01-09 meeting

Jim: Look at seeing what would be involved in removing Annex J types that already have the same basic types.

Jim: Get a WG14 document number and submit `C2x_proposal_-_why_no_wide_string_strfrom_functions-20191230.pdf`.

Jim: Get a WG14 document number and submit `C2x_proposal_-_names_and_locations-20200105.pdf`.

Jim: Ensure natural log is written as `log` in the standard (regarding `C2x_proposal_-_powr_justification_wording-20200104.pdf`).

Jim: Ensure thin spaces are put where needed in `C2x_proposal_-_powr_justification_wording-20200104.pdf`. Ex. Between the `e` and `y` in the "`ey log x`" in three places.

Jim: Update links on the C FP wiki to point to the latest drafts of the TS parts and look into having a section for working drafts.

Rajan: Ensure casting to `_Float16` won't cause a problem with the using INFINITY wherever a constant expression can be used change we proposed.

Study group logistics

Next meeting dates: Wednesday, March 18?
Switch to ISO Zoom?

IEEE 754 revision

C++ liaison

C2x integration

Part 1
Part 2
Part 3
Part 4ab
Part 5abcd

Action item details

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Rajan: Ensure casting to `_Float16` won't cause a problem with the using INFINITY wherever a constant expression can be used change we proposed.

Other issues

WG14 editor change. Jim and Rajan's meeting with David Keaton regarding finishing off the work.

Paul Zimmer asked about interest in interval arithmetic.

Others?