

WG14 N2196

C Floating Point Study Group Teleconference

January 9, 2018
9 AM PST / 12 PM EST

Conference ID: 82968194
Toll-free Dial-in number: 1-888-426-6840
Other (International) Dial In Numbers:

<https://www.teleconference.att.com/servlet/glbAccess?process=1&accessCode=82968194&accessNumber=2158616239#C3>

Screen sharing: <https://apps.na.collabserv.com/meetings/join?id=1950-7849>, Password: cfeisdygk
Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

Draft Agenda

Meeting logistics

Note taker, mail out notes - Rajan

Introduction of attendees

Approval of agenda

Notes from 2017-11-14 meeting

Posted on CFP wiki

Action items from 2017-11-14 meeting

Jim: `tgmath_for_narrowing_functions` (DR13, part 3): Need to bring in functions that cover three arguments.

Jim: `tgmath_for_narrowing_functions` (DR13, part 3): Rewording for the `f32mul` example.

Jim: Create a new paper along the lines of `tgmath_for_narrowing_functions` proposing a new TC for CFP DR13.

Jim: Write a DR addressing WG14 reflector message 14885 using the email sent by Jim on 2017/11/13.

Fred: Look through the new functions and see what is missing in Annex F.

Fred: Follow up with inconsistencies in Infinities references in function descriptions in our TS via email.

Fred: Look into 754:2018 4.3.1 (`roundTiesToEven`) applies to us for string conversion (`printf` for example).

Jim: Update the binding table in parts 1 and 2 to handle the new IEEE-754:2018 functions when published.

David H: Look into the consistency with our TS and IEEE-754:2018 for 5.3.2, 9.2, 9.2.1, 9.2.2 and 9.4.

Jim: Update activities list (http://wiki.edg.com/pub/CFP/WebHome/in_flight-20171004.pdf) with new status (LaTeX integration) and items (consistency with 754:2018 draft, special cases in Annex F).

Study group logistics

Next meeting date: Tuesday, February 20?

IEEE 754 revision

C++ liaison

Action item details

Tgmath for narrowing functions

Proposed new TC for DR13

DR regarding comparison macros and usual arithmetic

Missing annex F specification for new functions

Inconsistencies in specification of infinities

Application of 754:2018 4.3.1 (roundTiesToEven) to C string conversion

Consistency between CFP TS and IEEE-754:2018 5.3.2, 9.2, 9.2.1, 9.2.2 and 9.4

Binding for IEEE 754-2018

Functions for augmented arithmetic

Min/max functions

Payload functions

Total order functions

WG14 paper about updating to IEEE 754:2018

C2x integration

Status

Activities

Review activities in progress

Deferred issues

C standard use of “floating” vs “floating-point”