

WG14 N2168

C Floating Point Study Group Teleconference

September 26, 2017
9 AM PDT / 12 PM EDT

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 2017-08-29 meeting

Carry-over action items

none

Action items from 2017-08-29 meeting

Rajan: Check with David Keaton to see if SD3 will be considered in the next WG14 meeting and if so, can the floating point proposals (other than part 1 and 2) be postponed unless we are prepared for them.

Jim: List the proposals we have in flight with WG14 and what we need to do with them (if anything).

Jim: Create a new DR against part 3 for the non-arithmetic interchange formats to create format_DECIMAL_DIG type macros.

Jim: Augmented add tgmath: Change "invokes a real function" to "invokes a function returning a real type".

Jim: Augmented add: Create a proposal for the new augmented precision functions including tgmath for IEEE 2018 C binding.

Jim: Create a note to say the existing fmin/fmax functions may not correspond to the new IEEE 754:2018 f{min/max}* functions in TS Part 1 as part of the 2018 binding update.

Study group logistics

Next meeting date: Tuesday, October 17?

IEEE 754 revision

C++ liaison

Activities

Review activities in progress http://wiki.edg.com/pub/CFP/WebHome/in_flight-20170916.pdf

For next WG14 meeting

Obsolesce DECIMAL_DIG

DECIMAL_DIG and DIG macros for non-arithmetic formats

WG14 issue with %a formatting consistency

Use of _Roundwise in cbrt sample implementation (Joseph Myers issue)

Binding for IEEE 754-2018

WG14 paper about updating to IEEE 754:2018

Functions for augmented arithmetic http://wiki.edg.com/pub/CFP/WebHome/augop_spec-20170915.pdf

Min/max functions

Payload functions

Other issues

Willem Wakker issues about evaluation formats

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