

WG14 N2180

C Floating Point Study Group Teleconference

October 17, 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 2017-09-26 meeting

Action items from 2017-09-26 meeting

Jim: Activities in progress: Obsolesce DECIMAL_DIG: No proposal needed as our last one was accepted (N2108).

Jim: Activities in progress: %a for decimal differing from binary: Change "paper" to Reflector message 14792.

Jim: Activities in progress: Change all TS Part actions to "update and re-present" instead of just re-present.

Jim: Get document number and submit DECIMAL_DIG and DIG macros for non-arithmetic formats paper for the WG14 mailing.

Jim: Write a DR for the _Roundwise in cbrt sample for the WG14 mailing.

David H, Mike: Make a list of what has changed or been augmented in IEEE 754:2018.

Jim: Augmented arithmetic: F.10.13 is missing the paragraph number in the second paragraph.

Jim: Augmented arithmetic: F.10.13.3#4: computation t underflows -> computation of t underflows.

Jim: Min/Max functions: Mention that the existing fmin/fmax functions do not distinguish between +0 and -0.

Jim: Draft a response to Willem's WG14 paper (N2166) for next meeting.

Study group logistics

Next meeting date: Tuesday, November 14?

IEEE 754 revision

C++ liaison

Activities

Review activities in progress http://wiki.edg.com/pub/CFP/WebHome/in_flight-20171004.pdf

For next WG14 meeting

Obsolesce DECIMAL_DIG

DECIMAL_DIG and DIG macros for non-arithmetic formats

<http://wiki.edg.com/pub/CFP/WebHome/n2171.pdf>

WG14 issue with %a formatting consistency

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

<http://wiki.edg.com/pub/CFP/WebHome/n2178.pdf>

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-20170930.pdf

Min/max functions http://wiki.edg.com/pub/CFP/WebHome/min-max_spec-20170930.pdf

Payload functions

Other issues

Willem Wakker issues about evaluation formats

Other prep for WG14 meeting

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