

WG14 N2264

C Floating Point Study Group Teleconference

June 21, 2018

8 AM PDT / 11 PM EDT

Note: New time and day: 1 hour earlier, Thursday

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 2018-05-22 meeting

Posted on CFP wiki

Carry-over action items

Ian: See if there is an incompatibility between C and C++ for constants being evaluated to a wider format (Ex. FLT_EVAL_METHOD affects constants in C++, and wider return values) - Keep open (Hubert: Not defined and left up to C)

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

Fred: http://wiki.edg.com/pub/CFP/WebHome/in_flight-20180313.pdf See where we are for inconsistent spec for infinities.

David: Check the min/max C specification to ensure it matches what IEEE has.

David: Check the augmented* C function specifications to ensure they match what IEEE has.

Action items from 2018-05-22 meeting

Rajan: Give a valid version of C17 to Jim for posting on CFP.

Jim: Ask Blaine about missing references to DECIMAL_DIG (only one found was the example).

Jim: Make the quantize and general canonical results changes as editorial changes for part 2 as per Jim's 2018/05/12 note.

Jim: Create a CR for llquantexp with the fix in Jim's 2018/05/12 note.

Jim: Review specification for raising the inexact exception in the TS's.

Jim: Put CR21 on the agenda for next time.

Jim: Get N documents for the features mentioned

in http://wiki.edg.com/pub/CFP/WebHome/C_support_for_754-201x-20180518.pdf and use this as

new document for Pittsburgh.

Rajan: Reply to Joseph's note and ask for any particular concerns.

Study group logistics

Next meeting date: Tuesday, July 24?

IEEE 754 revision

C++ liaison

Action item details

quantize and general canonical results changes for part 2

See Jim's email 2018/05/12 "Re: [Cfp-interest] 18661-2 and 754"

CR for llquantexp

Specification for raising inexact exception

CR21

N docs for IEEE 754-201x support

Min/max C specification matches IEEE?

Augmented* C function specifications match IEEE?

Consistency for infinities

Other issues

???

Binding for IEEE 754-2018

WG14 paper about updating to IEEE 754-201x

Functions for augmented arithmetic

Min/max functions

Payload functions

Total order functions

C2x integration

Activities

Review activities in progress

Deferred issues

C standard use of "floating" vs "floating-point"