

**WG14 N2423**

## **C Floating Point Study Group Teleconference**

September 18, 2019  
8 AM PDT / 11 PM EDT / 3 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 - Rajan

#### **Introduction of attendees**

#### **Approval of agenda**

#### **Notes from 2019-08-21 meeting**

Posted on CFP wiki

#### **Carry-over action items**

Jim: Draft a slide deck and a proposal based on CFP1331.

#### **Action items from 2019-08-21 meeting**

Jim: Reword CFP1337 to avoid stating standard types with non-power-of-2 bases with hexadecimal still being exact. Submit as an N document.

Jim: Respond with needing both NAN and NAN( forms, and what the payload flexibility should be.

Fred: Rewrite the proposed CFP1360 paper using the CFP recommendations.

Jim: Discuss the namespace issue next meeting.

Jim: For the FLT\_EVAL\_METHOD example, add \_Float16 in since it can show that evaluation to type is not always true.

#### **Study group logistics**

Next meeting dates: Wednesday, October 16?

#### **IEEE 754 revision**

#### **C++ liaison**

## C2x integration

Part 1

Part 2

Part 3

Part 4ab

Part 5abcd

## Action item details

Jim: Draft a slide deck based on CFP1331.

[http://wiki.edg.com/pub/CFP/WebHome/C2x\\_proposal - TS 18661-5abc-20190709.pdf](http://wiki.edg.com/pub/CFP/WebHome/C2x_proposal_-_TS_18661-5abc-20190709.pdf)

<http://wiki.edg.com/pub/CFP/WebHome/n2421.pdf>

Jim: Reword CFP1337 to avoid stating standard types with non-power-of-2 bases with hexadecimal still being exact. Submit as an N document.

<http://wiki.edg.com/pub/CFP/WebHome/n2416.pdf>

Jim: Respond with needing both NAN and NAN( forms, and what the payload flexibility should be. See (SC22WG14.17010) [Cfp-interest 1370]

Fred: Rewrite the proposed CFP1360 paper using the CFP recommendations. See thread starting with [Cfp-interest 1388] Math functions & range errors

Jim: Discuss the namespace issue next meeting.

Jim: For the FLT\_EVAL\_METHOD example, add \_Float16 in since it can show that evaluation to type is not always true.

See CFP 1386.

## Other issues

Followup on what does “normalized” mean in C?

See CFP 1399

Proposal for why there is a second name for log1p.

<http://wiki.edg.com/pub/CFP/WebHome/n2424.pdf>

Specifying more special cases for math functions, e.g., periodicity for half-revolution trig functions. Perhaps as recommended practice.

SNANF

See CFP 1366, 1372

Can we close this?

Others?

## Activities

Review activities in progress