

**WG14 N2943**

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

March 16, 2022

11:00 AM EDT, 8:00 AM PDT, 3:00 PM UTC

Join from PC, Mac, Linux, iOS or Android:

<https://iso.zoom.us/j/91969144572?pwd=OUpoK1ZiTUhJNjZjVmwzT3gvM21VUT09>

Password: 587551

Or iPhone one-tap :

US: +12133388477,,91969144572# or +14086380968,,91969144572#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 or +1 669 900 6833 or +1 206 337 9723 or +1 253 215 8782 or +1 346 248 7799 or +1 602 753 0140 or +1 720 928 9299 or +1 971 247 1195 or +1 646 876 9923 or +1 651 372 8299 or +1 786 635 1003 or +1 267 831 0333 or +1 301 715 8592 or +1 312 626 6799 or +1 470 250 9358 or +1 470 381 2552 or +1 646 518 9805 or 877 853 5247 (Toll Free) or 888 788 0099 (Toll Free)

Meeting ID: 919 6914 4572

Password: 587551

International numbers available: <https://iso.zoom.us/u/adG0SL5rXK>

Or Skype for Business (Lync): <https://iso.zoom.us/skype/91969144572>

CFP Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

### **Draft Agenda**

#### **Meeting logistics**

Note taker, mail out notes

#### **Introduction of attendees**

#### **Approval of agenda**

#### **Notes from 2022-02-10 meeting**

- [\[Cfp-interest 2372\] WG14 IEEE 754-C binding meeting minutes 2022/02/10](#) *Rajan Bhakta*  
Posted on CFP wiki

#### **Study group logistics**

Next meeting date: Wednesday, April 13?

#### **WG 14 meeting report**

- [\[Cfp-interest 2387\] Update on N2931: tgmath narrowing macros with integer args](#) *Rajan Bhakta*

## C++ liaison

### C23 integration

Latest C2X drafts:

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2596.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2573.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2478.pdf>

Part 1

Part 2

Part 3

Part 4ab

Part 5abcd

IEC 60559:2020 support

Review draft

- [\[Cfp-interest 2319\] current C2x draft](#) *Vincent Lefevre*
  - [\[Cfp-interest 2320\] Re: current C2x draft](#) *JeanHeyd Meneide*
    - [\[Cfp-interest 2326\] Re: current C2x draft](#) *Vincent Lefevre*
    - [\[Cfp-interest 2328\] Re: current C2x draft](#) *Jim Thomas*
      - [\[Cfp-interest 2331\] Re: current C2x draft](#) *Fred J. Tydeman*
      - [\[Cfp-interest 2340\] Re: current C2x draft](#) *Rajan Bhakta*
  - [\[Cfp-interest 2336\] Fwd: current C2x draft](#) *Jim Thomas*

### Carry-over action items

Fred: Ask C++ what their issues with \*\_HAS\_SUBNORM are and if they are OK with obsoleting it.

### Action items from 2022-02-22 meeting

Fred: Expand the individual items so they are self contained in C26.TXT.

Fred: Ensure that CFP2350 was sent to the C editor.

Jim: Respond to Vincent's CFP2368 message regarding the floating-point model.

- [\[Cfp-interest 2368\] Re: WG14 2022-01 Meeting summary for CFP](#) *Vincent Lefevre*
  - [\[Cfp-interest 2377\] Re: WG14 2022-01 Meeting summary for CFP](#) *Jim Thomas*
    - [\[Cfp-interest 2383\] Re: WG14 2022-01 Meeting summary for CFP](#) *Vincent Lefevre*
      - [\[Cfp-interest 2386\] Re: WG14 2022-01 Meeting summary for CFP](#) *Jim Thomas*

Jim: Reply to CFP2371 saying it is in the Annex we proposed and WG14 voted in.

- [\[Cfp-interest 2371\] Re: standard name for binary128 ?](#) *Vincent Lefevre*
  - [\[Cfp-interest 2373\] Re: standard name for binary128 ?](#) *Jim Thomas*

### Other issues

N2823 (freestanding) revision

fma subclause title

- [\[Cfp-interest 2388\] Fwd: Terminology: why "floating multiply-add" instead of "fused multiply-add"?](#) *Jim Thomas*

TS 18661-4 update

- [\[Cfp-interest 2390\] post-C23 update for TS 18661-4](#) *Jim Thomas*

Using the 'i' suffix for imaginary numbers

- [\[Cfp-interest 2374\] Re: WG14 IEEE 754-C binding meeting minutes 2022/02/10](#) *Vincent Lefevre*
  - [\[Cfp-interest 2375\] Re: WG14 IEEE 754-C binding meeting minutes 2022/02/10](#) *Fred J. Tydeman*
    - [\[Cfp-interest 2389\] Re: WG14 IEEE 754-C binding meeting minutes 2022/02/10](#) *Jim Thomas*

Others?