

**WG14 N2972**

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

April 20, 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/99388375379?pwd=Qm5xQ3Fjd3F3eWJYK3AyTjNvMzk2UT09>

Password: 581435

Or iPhone one-tap :

US: +14086380968,,99388375379# or +16692192599,,99388375379#

Or Telephone:

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

US: +1 408 638 0968 or +1 669 219 2599 or +1 669 900 6833 or +1 213 338 8477 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 +1 206 337 9723 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 +1 646 876 9923 or +1 651 372 8299 or +1 786 635 1003 or +1 267 831 0333 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 993 8837 5379

Password: 581435

International numbers available: <https://iso.zoom.us/u/aBIG6mzCh>

Or Skype for Business (Lync): <https://iso.zoom.us/skype/99388375379>

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 2022-03-16 meeting**

- [\[Cfp-interest 2414\] WG14 IEEE 754-C binding meeting minutes 2022/03/30](#) *Rajan Bhakta*

Posted on CFP wiki

#### **Study group logistics**

Next meeting date: Wednesday, May 25?

WG14 meetings

May 16-20 virtual

July 18-22 virtual

## 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

### Carry-over action items

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

Rajan: Put it into the WG14 CFP report the outside request to make 7.12.13 and F<x>'s titles "Floating"->"Fused" that is editorial.

- [\[Cfp-interest 2396\] Re: WG14 IEEE 754-C binding meeting minutes 2022/03/16](#) *Vincent Lefevre*
  - [\[Cfp-interest 2397\] Re: WG14 IEEE 754-C binding meeting minutes 2022/03/16](#) *Steve (Swift) Canon*

Fred: Look at updating the C26.TXT file to follow what Mike is doing for 754.

David H: Get an example for the scaled reduction functions (perhaps by asking Jason or Jim or looking into the IEEE references).

David H: Get an example for the augmented arithmetic functions (perhaps by asking Jason or Jim or looking into the IEEE references).

### Action items from 2022-03-16 meeting

David H: Look into why Rajan's email's don't carry the attachment links that work when archived.

Jim: Look into the proposed update to TS Part 4 counted page 13, line 30 to see if "+0" should be "positive zero" and whether we should specify the quantum exponent.

Jim: Proposed update to TS Part 4 scaled functions counted page 16, line 36: Change "of NaN" to "or NaN".

Jim: Look into the proposed update to TS Part 4 counted page 21, line 20: Make the first word plural (specification\*s\*).

- [\[Cfp-interest 2418\] Re: post-C23 update for TS 18661-4](#) *Jim Thomas*

### Other issues

Obsolescing \*\_HAS\_SUBNORM macros

Others?