

WG14 N2926

C Floating Point Study Group Teleconference

February 10, 2022

12:00 PM EST, 9:00 AM PST, 5:00 PM UTC

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

<https://iso.zoom.us/j/92824863299?pwd=RklxNHVGdC8xVmV0RmNER2JockVUdz09>

Password: 043382

Or iPhone one-tap :

US: +14086380968,,92824863299# or +16692192599,,92824863299#

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: 928 2486 3299

Password: 043382

International numbers available: <https://iso.zoom.us/j/92824863299>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/92824863299>

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 2022-01-19 meeting

- [\[Cfp-interest 2344\] WG14 IEEE 754-C binding meeting minutes 2022/01/19](#) *Rajan Bhakta*
Posted on CFP wiki

Study group logistics

Next meeting date: Wednesday, March 16?

WG 14 meeting report

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.

Jim: Track the many changes to infinity and nan macros. Particularly still need to check prefixes for signaling nan macros.

Action items from 2021-12-22 meeting

- Rajan: Update CFP2341 to use paragraph form with semicolon separators.
Rajan: CFP2341: Look into seeing if we can say errno and the floating point environment can't be accessed (like with the "as if" rule).
Rajan: Update CFP2341 to say the identifiers for fenv.h and math.h should also be reserved as per stdlib.h in alternative 1.
[\[Cfp-interest 2346\] Updated \(V4\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2347\] Re: Updated \(V4\) N2823](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2351\] Re: Updated \(V4\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2352\] Re: Updated \(V4\) N2823](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2354\] Re: Updated \(V4\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2348\] Re: Updated \(V4\) N2823](#) *Jim Thomas*
 - [\[Cfp-interest 2353\] Re: Updated \(V4\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2355\] Re: Updated \(V4\) N2823](#) *Jim Thomas*
 - [\[Cfp-interest 2356\] Re: Updated \(V4\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2357\] Re: Updated \(V7\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2358\] Re: Updated \(V7\) N2823](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2359\] Re: Updated \(V7\) N2823](#) *Rajan Bhakta*
 - [\[Cfp-interest 2360\] Re: Updated \(V4\) N2823](#) *Jim Thomas*

Fred: Post the list of issues to be revisited for the next version on the CFP wiki.

Fred: Add an issue for a future version to look at the 5.2.4.2.2 terminology and ensure it is correct and consistent.

Fred: Put the NAN not raising exceptions footnote idea into the list of items for a future revision of C.

Other issues

Terminology: floating constant vs floating-point constant

- [\[Cfp-interest 2345\] Fwd: N2596: terminology: floating constant vs. floating-point constant](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2349\] Re: N2596: terminology: floating constant vs. floating-point constant](#) *Jim Thomas*
- [\[Cfp-interest 2350\] Floating constant editorial fix](#) *Fred J. Tydeman*

Others