

WG14 N3179

CFP meeting

Wednesday, November 8, 2023

8 AM PST / 11 AM EST / 4 PM UTC

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

<https://iso.zoom.us/j/99640545093?pwd=YzR5Smc1c2l3RDJhaEZoOXFmMG9NUT09>

Password: 663268

Or iPhone one-tap :

US: +16699006833,,99640545093# or +12133388477,,99640545093#

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US: +1 669 900 6833 or +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 or +1 602 753 0140 or +1 720 928 9299 or +1 971 247 1195 or +1 206 337 9723 or +1 253 215 8782 or +1 346 248 7799 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 +1 646 876 9923 or +1 651 372 8299 or +1 786 635 1003 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 996 4054 5093

Password: 663268

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

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/99640545093>

Draft Agenda

Meeting logistics

Note taker, mail out notes

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

Introduction of attendees

Approval of agenda

Note: Since the DIS (Draft International Standard) has been submitted to ISO, we are restricted from discussing any changes to C23 until ISO editing and balloting are complete (projected to be December 6). Discussion of any potential changes for future revisions of C must be clearly identified as such, in the meeting and notes.

The primary purpose of this meeting is to review the latest drafts of the TS revisions in preparation for submitting them to WG 14.

Study group logistics

Next CFP meeting date: December 6?

Notes from 2023-10-04 meeting

- [\[Cfp-interest 2903\] WG14 IEEE 754-C binding meeting minutes - 2023/10/04](#) *Rajan Bhakta*

Posted on CFP wiki

Report on WG 14 meeting

- [\[Cfp-interest 2919\] JTC1/SC22/WG14 meeting day 1 summary](#) *Rajan Bhakta*
- [\[Cfp-interest 2922\] JTC1/SC22/WG14 meeting day 2 summary](#) *Rajan Bhakta*

C++ liaison

- [\[Cfp-interest 2799\] Attn WG 14, question about atomic fetch * and floating point re: \[isocpp-lib-ext\] P0493 Atomic max/min](#) *Hubert Tong*

C23 integration

C23 drafts:

C2X working draft n3149 - July 2, 2023 - For CFP review only. Do not distribute.

C23 CD2 - April 1, 2023

C2X working draft n3096 - April 1, 2023 

CD

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n3054.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n3047.pdf>

<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>

Status

Carry over action items

None

Action items from previous meeting

All: Notify Rajan before the October 16th of any known implementations of the proposed TS part 4 or 5.

Jim: Update slide deck with typo (Ex. slide 17 should TS-5 instead of TS-4) and formatting fixes (Ex. subscript for the pi, qi's in the sumProduct operation descriptions)

- [\[Cfp-interest 2908\] action item to update slide deck for TSes](#) *Jim Thomas*

Jim: Change TS-4 page 12, line 1, "As for other" -> "Like other".
See review of TS-4 below.

<https://wiki.edg.com/pub/CFP/WebHome/C26B.HTM>

Fred: C26B Issue 1, nowhere else in the C standard are pole errors listed as a "shall", just as "may". This could be a problem for the proposed change.

Fred: C26B Issue 2, the problem may not be an issue as it seems to be clear what is the expected result.

Fred: C26B Issue 6, consider explicit definitions instead of implicit references.

Fred: C26B Issue 8, hyphenate floating-point.

Fred: C26B Issue 13, mention "long double" in the issue text. Ex. "Annex F and long double including double-double needs to be clarified."

Rajan: C26B Issues 12, 14, need CFP messages. Write some up and send them to the list.

- [\[Cfp-interest 2904\] Why are the standard \(and TS\) #pragma's tied to header files?](#) *Rajan Bhakta*
 - [\[Cfp-interest 2906\] Re: Why are the standard \(and TS\) #pragma's tied to header files?](#) *Vincent Lefevre*

- [\[Cfp-interest 2905\] Signal handlers and the floating point environment](#) *Rajan Bhakta*
 - [\[Cfp-interest 2907\] Re: Signal handlers and the floating point environment](#) *Vincent Lefevre*

Mike: Ask Michel about CFP2899.

- [\[Cfp-interest 2913\] Re: incorrect definitions of * DECIMAL_DIG and DECIMAL_DIG](#) *Mike Cowlshaw*

Jim/David: Check IEEE-754 if there is a similar issue to CFP2899.

From previous meeting minutes

%a/%A formatting. See CFP2888 and follow ons.

OK with adding this to the future issues list.

Review of TS-4 and TS-5 revisions

- [\[Cfp-interest 2917\] suggested editorial changes to N3163 and N3164](#) *Jim Thomas*
- [\[Cfp-interest 2920\] additional suggested editorial changes to N3163 and N3164](#) *Jim Thomas*
- [\[Cfp-interest 2921\] suggested change for action item about UB in TS-18661 part 5](#) *Jim Thomas*
- [\[Cfp-interest 2924\] updated suggested change for action item about UB in TS-18661 part 5](#) *Jim Thomas*
- [\[Cfp-interest 2925\] updates for TS-4r and TS-5r, post WG14 meeting](#) *Jim Thomas*
 - [\[Cfp-interest 2926\] Re: updates for TS-4r and TS-5r, post WG14 meeting](#) *Damian McGuckin*
 - [\[Cfp-interest 2928\] Re: updates for TS-4r and TS-5r, post WG14 meeting](#) *Jim Thomas*
 - [\[Cfp-interest 2929\] Re: updates for TS-4r and TS-5r, post WG14 meeting](#) *Damian McGuckin*
- [\[Cfp-interest 2930\] issue about type-generic macros and new augmented arithmetic header](#) *Jim Thomas*
 - [\[Cfp-interest 2931\] Re: issue about type-generic macros and new augmented arithmetic header](#) *Jim Thomas*
- [\[Cfp-interest 2932\] TS-4r augmented arithmetic terminology](#) *Jim Thomas*
 - [\[Cfp-interest 2933\] Re: TS-4r augmented arithmetic terminology](#) *Damian McGuckin*
 - [\[Cfp-interest 2934\] Re: TS-4r augmented arithmetic terminology](#) *Jim Thomas*
 - [\[Cfp-interest 2935\] Re: TS-4r augmented arithmetic terminology](#) *Damian McGuckin*
 - [\[Cfp-interest 2936\] Re: TS-4r augmented arithmetic terminology](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2937\] Re: TS-4r augmented arithmetic terminology](#) *David Hough CFP*

Other issues