

**WG14 N3159**

## **CFP meeting**

**Wednesday, August 2, 2023**

**8 AM PDT / 11 AM EDT / 3 PM UTC**

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

<https://iso.zoom.us/j/91750644040?pwd=Y0dPcjVZemlIR1lzNThWSE9ZbINOQT09>

Password: 674134

Or iPhone one-tap :

US: +12133388477,,91750644040# or +14086380968,,91750644040#

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 +1 346 248 7799 or +1 602 753 0140 or +1 720 928 9299 or +1 971 247 1195 or +1 206 337 9723 or +1 253 215 8782 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 +1 301 715 8592 or +1 312 626 6799 or +1 470 250 9358 or +1 470 381 2552 or 877 853 5247 (Toll Free) or 888 788 0099 (Toll Free)

Meeting ID: 917 5064 4040

Password: 674134

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

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/91750644040>

## **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 document has been submitted to ISO, we are restricted from discussing any changes to C24 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.

### **Study group logistics**

Next CFP meeting date: August 30 or September 6?

### **Notes from 2023-06-07 meeting**

- [\[Cfp-interest 2800\] WG14 IEEE 754-C binding meeting minutes - 2023/07/05](#) *Rajan Bhakta*

Posted on CFP wiki

## 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

### Action items from previous meeting

Fred: Send any issues found with incorrect CD2 comment applications (Ex. DECIMAL\_DIG has two entries in the suffix) to JeanHeyd and cc WG14 before the July 10th.

Rajan: 

Jim: Let the editor know of the page 675 "floating point" -> "floating-point" change

Jim: Update TS part 5 as per CFP2790's final suggestion.

Jim: Follow up with Hubert to see when he wants input on CFP2799.

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

See <https://754r.ucbtest.org/background/traps-and-wraps.txt>

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

### Other issues

Review TS part 4 revision

- [\[Cfp-interest 2808\] cfp4r update](#) *Jim Thomas*

Review TS part 5 revision

- [\[Cfp-interest 2807\] cfp5r update](#) *Jim Thomas*

### Issues for C2Y

No common real type

- [\[Cfp-interest 2745\] Re: double-double OP float128\\_t](#) *Vincent Lefevre*

Which IEC 60559 formats

- [\[Cfp-interest 2746\] {FLT, DBL, LDBL} IS IEC 60559 macros: clarification needed](#) Vincent Lefevre

FP\_CONTRACT pragma for freestanding

- [\[Cfp-interest 2793\] FP\\_CONTRACT pragma and <math.h>](#) Vincent Lefevre
  - [\[Cfp-interest 2796\] Re: FP\\_CONTRACT pragma and <math.h>](#) Jim Thomas

Floating vs floating-point

- [\[Cfp-interest 2794\] "floating" vs "floating-point", and hyphens](#) Vincent Lefevre

Non-IEC 60559 long double with Annex F

- [\[Cfp-interest 2795\] operations on long double when not an IEC 60559 format](#) Vincent Lefevre

Whitespace issue for strtod

- [\[Cfp-interest 2803\] major white-space issue for functions like strtod](#) Vincent Lefevre

Subnormal, flush to zero, IEC 60559 conformance

- [\[Cfp-interest 2805\] Subnormals and flush-to-zero and IEC 60559 conformance macros](#) Hans Boehm
  - [\[Cfp-interest 2806\] Re: Subnormals and flush-to-zero and IEC 60559 conformance macros](#) Jim Thomas