

WG14 N3151

CFP meeting

Wednesday, July 5, 2023

8 AM PDT / 11 AM EDT / 3 PM UTC

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

<https://iso.zoom.us/j/98052307293?pwd=MS80a2tKL3Fmbjg3ejlENzY1c05Ddz09>

Password: 586586

Or iPhone one-tap :

US: +16699006833,,98052307293# or +12133388477,,98052307293#

Or Telephone:

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

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 +1 646 876 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 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 980 5230 7293

Password: 586586

International numbers available: <https://iso.zoom.us/u/aceArq4P2>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/98052307293>

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

Study group logistics

Next CFP meeting date: August 2?

Notes from 2023-06-07 meeting

- [\[Cfp-interest 2779\] WG14 IEEE 754-C binding meeting minutes for 2023/06/07](#) *Rajan Bhakta*

Posted on CFP wiki

C++ liaison

C23 integration

C23 drafts:

[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>

Carry-over action items

Damian: Rework the carg description to say phase instead of phase angle using the spreadsheet form.

- [\[Cfp-interest 2734\] Definition of the 'carg' function](#) Damian McGuckin
 - [\[Cfp-interest 2740\] Re: Definition of the 'carg' function](#) David Hough CFP
 - [\[Cfp-interest 2741\] Re: Definition of the 'carg' function](#) Damian McGuckin
 - [\[Cfp-interest 2742\] Re: Definition of the 'carg' function](#) Damian McGuckin

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

<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).

All: TS part 5: Consider what to do for issue 3 (which headers contain which pragmas) as per the spreadsheet (current vs alternative 1).

- [\[Cfp-interest 2755\] pragma spreadsheet](#) *Jim Thomas*

Action items from 2023-06-07

Jim: Add in an agenda item for Mike's Arith 2023 report after their September meeting.

Jim: Update CFP recommendations for CD2 ballot comments with:

GB-005: Mike: Perhaps say "make" instead of "return" (alternative is "provide").

CA-022: Make a note of the difference - Need a hyphen.

US-087: Clarify that there should not be any replacement (original text is fine), just adding the new recommended practice words.

US-117: CFP recommendation: "If a floating result overflows and default rounding is in effect and the integer expression `math_errhandling & MATH_ERRNO` is nonzero, then the integer expression `errno` acquires the value `ERANGE`."

GB-188: Change "ininfinte" to "isinfinte" in the proposed change.

US-201: Annex G does *NOT* specify the behavior of SNANs (typo, need to fix)

Fred: Validate the list of functions for GB-181's proposed response.

Rajan: For US-117, at the WG14 meeting say an alternative is having comma's after the "and"s.

Fred: Add CFP2745 to the list of issues for C2Y.

Other issues

No common 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

Minimum positive subnormals

- [\[Cfp-interest 2747\] about FLT_TRUE_MIN and DBL_TRUE_MIN in 5.2.4.2.2p29 example](#) Vincent Lefevre
 - [\[Cfp-interest 2786\] Re: about FLT_TRUE_MIN and DBL_TRUE_MIN in 5.2.4.2.2p29 example](#) Jim Thomas
 - [\[Cfp-interest 2787\] Re: about FLT_TRUE_MIN and DBL_TRUE_MIN in 5.2.4.2.2p29 example](#) Vincent Lefevre

Review TS part 4 revision

- [\[Cfp-interest 2710\] Re: post-C23 update for TS 18661-4](#) Jim Thomas

Review TS part 5 revision

- [\[Cfp-interest 2753\] TS 18661-5 revision 20230507](#) Jim Thomas