

WG14 N3293

CFP meeting

Wednesday, July 17, 2024

8 AM PDT / 11 AM EDT / 3 PM UTC

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

<https://iso.zoom.us/j/99481459915?pwd=R0anYjHzanAca4AQhYybQ1Jy3148z3.1>

Password: 774431

Or iPhone one-tap :

US: +16513728299,,99481459915# or +16692192599,,99481459915#

Or Telephone:

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

US: +1 651 372 8299 or +1 669 219 2599 or +1 669 900 6833 or +1 720 928 9299 or +1 786 635 1003 or +1 971 247 1195 or +1 206 337 9723 or +1 213 338 8477 or +1 253 215 8782 or +1 267 831 0333 or +1 301 715 8592 or +1 312 626 6799 or +1 346 248 7799 or +1 408 638 0968 or +1 470 250 9358 or +1 470 381 2552 or +1 602 753 0140 or +1 646 518 9805 or +1 646 876 9923 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 994 8145 9915

Password: 774431

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

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 14th?

Notes from 2024-06-19 meeting

- [\[Cfp-interest 3132\] JTC1/SC22/WG14/CFP 2024/06/19 Meeting minutes](#) *Rajan Bhakta*

IEEE 754 liaison

C++ liaison

Midpoint and linear interpolation functions

C23 integration

C2y drafts:

[N3220](#) 2024/02/22 Meneide & Wiedijk, Working Draft, C2y

C23 drafts:

[N3219](#) 2024/02/22 Meneide & Wiedijk, ISO/IEC 9899:2023 DIS Draft

C23 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>

Carry over action items

Jim/Jerome/Damian: Follow up on C26 issue 1.

Jerome: C26: Issue 1: Revamp to remove the "may" for negative errors.

Damian: Get a list of editorial issues in Annex G and send them out for future submission to WG14.

- [\[Cfp-interest 3096\] Annex F and Annex G - primarily about special cases](#) *Damian McGuckin*
 - [\[Cfp-interest 3097\] Re: Annex F and Annex G - primarily about special cases](#) *Jim Thomas*
 - [\[Cfp-interest 3098\] Re: Annex F and Annex G - primarily about special cases](#) *Damian McGuckin*

Action items from previous meeting

Jim: Put Annex G being purely IEEE and other parts into the main standard as a potential work item for CFP on the agenda for next meeting.

Jim: Add C2y Issue 23 onto the agenda for next meeting.

Jim: Ensure that "frexp and double-double underflow" is on the agenda for next meeting.

Jim: Ensure that "Midpoint and linear interpolation functions" is on the agenda for next meeting.

Fred: Update issue 1 with the information from today.

Fred: Move the sub-issues from CFP 3079 about "floating-point number" into Issue 8.

- [\[Cfp-interest 3133\] C26f.htm](#) *Fred J. Tydeman*

Jim: Submit the proposal for C26 issue 19 (CFP 3118 with base document updated and checked for accurate clause numbers) to WG14.

[N3291](#) 2024/06/27 Thomas, Proposal for C2Y - Decimal floating-point number—misuse of term

Rajan: Fix the title in the proposal in CFP 3112. Base document as well from N3219->3220 and ensure the clause numbering is correct. Submit to WG14.

[N3286](#) 2024/06/23 Bhakta, Floating-point exceptions for macro replacements

Rajan: Change the base document from N3219->3220 and ensure the clause numbering is correct for CFP 3091. Submit to WG14.

[N3287](#) 2024/06/23 Bhakta, Nonsensical Parenthetical

Rajan: Issue 20: Make CFP 3045 into a proposal for WG14.

- [\[Cfp-interest 3134\] Issue 20 action item - Proposal for WG14](#) *Rajan Bhakta*

Jim: Create a proposal for WG14 based on CFP 3074 regarding the HUGE_VAL with suffixes change.

- [\[Cfp-interest 3135\] Action item about missing HUGE_VAL suffixes](#) *Jim Thomas*

Jim: Make CFP 3080 into a proposal for WG14.

- [\[Cfp-interest 3136\] Action item about left over dependency on want macro CFP 3080](#) *Jim Thomas*

TS-4 and TS-5 revisions

Status

C2y issues

Issues list

<https://wiki.edg.com/pub/CFP/WebHome/c26f.htm>

Status

<https://wiki.edg.com/pub/CFP/WebHome/C26%20Issues%20status.pdf>

Issue 1 – tgamma/lgamma errors, pole errors

Issue 5 – macro exceptions

[N3286](#) 2024/06/23 Bhakta, Floating-point exceptions for macro replacements

- [\[Cfp-interest 3134\] Issue 20 action item - Proposal for WG14](#) *Rajan Bhakta*

Issue 18 - __STDC__WANT_IEC_60559_EXT__ in <math.h>

- [\[Cfp-interest 3135\] Action item about missing HUGE_VAL suffixes](#) *Jim Thomas*

Issue 19 - strt0* abd wcsto* wording

[N3291](#) 2024/06/27 Thomas, Proposal for C2Y - Decimal floating-point number—misuse of term

Issue 21 – misplaced parentheses

[N3287](#) 2024/06/23 Bhakta, Nonsensical Parenthetical

Issue 22 – wording variations for value ranges

Issue 23 – SIGFP and Clause 7 functions

Issue 24 – overflow and HUGE_VAL macros

- [\[Cfp-interest 3135\] Action item about missing HUGE_VAL suffixes](#) *Jim Thomas*

Other issues

frexp and double-double underflow

- [\[Cfp-interest 3100\] Issue: frexp and double-double underflow](#) *Hubert Tong*
 - [\[Cfp-interest 3101\] Re: Issue: frexp and double-double underflow](#) *Fred J. Tydeman*
 - [\[Cfp-interest 3102\] Re: Issue: frexp and double-double underflow](#) *Fred J. Tydeman*
 - [\[Cfp-interest 3103\] Re: Issue: frexp and double-double underflow](#) *Hubert Tong*
 - [\[Cfp-interest 3104\] Re: \[SC22WG14.25365\] Issue: frexp and double-double underflow](#) *Hubert Tong*

Midpoint and linear interpolation functions

<https://www.open-std.org/jtc1/sc22/wg21/docs/papers/2019/p0811r3.html>

- [\[Cfp-interest 3114\] Two math functions](#) *Fred J. Tydeman*
 - [\[Cfp-interest 3115\] Re: Two math functions](#) *Damian McGuckin*
 - [\[Cfp-interest 3116\] Re: Two math functions](#) *Fred J. Tydeman*

Reorganization of Annex G content

Others?