

**WG14 N3446**

## **CFP meeting**

**Wednesday, January 8, 2025**

**8 AM PST / 11 AM EST / 4 PM UTC**

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

Android: <https://iso.zoom.us/j/94004057629?pwd=dB9jMqTebQBFv9blpQmQVdelTodJjB.1>

Password: 867853

Or iPhone one-tap :

US: +19712471195,,94004057629# or +17209289299,,94004057629#

Or Telephone:

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

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

Meeting ID: 940 0405 7629

Password: 867853

International numbers available: <https://iso.zoom.us/u/abrqafxE90>

## **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: February 12th?

### **Notes from 2024-11-20 meeting**

- [\[Cfp-interest 3333\] JTC1/SC22/WG14/CFP 2024/11/20 Meeting minutes -- v. 2](#) *Jerome Coonen*

### **C23 status**

<https://webstore.iec.ch/en/publication/102886>

## **C Documents**


C2y drafts:

[N3301](#) 2024/07/28 Meneide, Working Draft C2y Post-June 2024

[N3299](#) 2024/07/28 Meneide, Working Draft C2y Post C23-Publication

[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>

## IEEE 754 liaison

### C++ liaison

Fenv rounding modes

- [\[Cfp-interest 3340\] Fwd: \[isocpp-wg14/wg21-liaison\] SG22 telco : P3477R0 and P2746R0](#) *Jim Thomas*

### Carry over action items

David: Draft reply to WG14 re midpoint and interpolation.

Damian: Split doc into 3 documents: complex.h intro, cproj, and editorial suggestions.

### Action items from previous meeting

Fred: Submit SIGFPE suggestions to WG14 for comment.

[N3401](#) 2024/11/24 Tydeman, SIGFPE and I/O, version 2

Jerome: Submit fadd, fsub, etc. domain errors proposal to WG14. (Will require help from another member actually certified to submit to WG14.)

[N3404](#) 2024/12/01 Thomas, Proposal for C2Y - Improved treatment of error conditions for functions that round result to narrow type

Jerome: Submit exception "occurs" proposal to WG14 (again, with support).

[N3405](#) 2024/12/01 Thomas, Proposal for C2Y - Improved wording for treatment of error conditions in <math.h>

Jim: Submit revised complex operators proposal to WG14.

[N3406](#) 2024/12/01 Thomas, Proposal for C2Y - complex operators, updates N3384

All: Continue study of the imaginary I macro and i suffix issues, noting that the I macro may be removed from C.

Jim: Write a proposal for use of CMPLX to generate desired values with signed 0 and inf when using the i suffix in a context with no imaginary values, just real and complex.

- [\[Cfp-interest 3337\] Proposal for complex literals warning](#) *Jim Thomas*

## TS-4 and TS-5 revisions

Status

### Discussion of issues

Fenv rounding modes

- [\[Cfp-interest 3340\]](#) Fwd: [\[isocpp-wg14/wg21-liaison\]](#) SG22 telco : P3477R0 and P2746R0 *Jim Thomas*

Cproj cleanup

- [\[Cfp-interest 3335\]](#) [The 'cproj' routine - 7.3.9.5](#) *Damian McGuckin*

Reply to WG14 re midpoint and interpolation

Use of Cmplx vs complex literals for special values

- [\[Cfp-interest 3337\]](#) [Proposal for complex literals warning](#) *Jim Thomas*

Imaginary I

### Other issues

Special cases for cpow

- [\[Cfp-interest 3332\]](#) [special cases of cpow](#) *Paul Zimmermann*
- [\[Cfp-interest 3336\]](#) [Re: special cases of cpow](#) *Jim Thomas*

glibc math functions

- [\[Cfp-interest 3339\]](#) Fwd: [More C23 math functions in glibc](#) *Jim Thomas*