

WG14 N3553

CFP meeting

Wednesday, May 14, 2025

8 AM PDT / 11 AM EDT / 3 PM UTC

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

<https://iso.zoom.us/j/96430325604?pwd=cRhGbHtgYZL7aVOwbLicaF3tN5C2JP.1>

Password: 499358

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US: +19712471195,,96430325604# or +13462487799,,96430325604#

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Meeting ID: 964 3032 5604

Password: 499358

International numbers available: <https://iso.zoom.us/u/afJlrSbq4>

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: June 18th?

Notes from 2025-02-12 meeting

- [\[cfp-interest 3447\] JTC1/SC22/WG14/CFP 2025/04/16 Meeting minutes](#) *Jerome Coonen*

TS-4 and TS-5 revisions

- <https://www.iso.org/standard/83622.html>
- <https://www.iso.org/standard/83623.html>
- [\[cfp-interest 3392\] DTS ballot comments](#) *Jim Thomas*
- [\[cfp-interest 3451\] Re: \[SC22WG14.30159\] New issue #1014: Error handling in ``<reduc.h>`` and ``<augarith.h>``](#) *Jim Thomas*

C Documents

C2y drafts:

- [N3550](#) 2025/05/04 Meneide, Working Draft (Post Graz 2025)
- [N3467](#) 2025/02/09 Meneide, Working Draft (Pre-Graz)
- [N3435](#) 2025/01/03 Meneide, C2y Working Draft
- [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:

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

IEEE 754 liaison

C++ liaison

Reproducible floating point (Guy Davidson)

- [\[cfp-interest 3453\] Fwd: floating point](#) *Jim Thomas*

Carry over action items

Damian: Update the proposal re. the wording of `cimag()` and `creal()`.
(These are just some of the editorial suggestions.)

Ly: Send email to CFP about the next ____() issues pertaining to the several functions inspired by `nextafter()`.

Action items from previous meeting

Jim: Submit updated proposal re. `frexp` clarification.

- [N3535](#) 2025/05/02 Thomas, Proposal for C2Y - `frexp` and double-double (updates N3357)

Rajan: Propagate 3413 with wording just approved up to WG14.

- [\[cfp-interest 3449\] FW: WG14 2025/02 meeting action item: CFP to look at N3447's change 3.2, addition 50' \(update #2\)](#) *RAJAN BHAKTA*

Damian: Submit the `cproj` proposal with minor amendments discussed. Jim to get a document number and help submit.

Jim: Submit email about TS response re. domain and range errors. Rajan to work with issue tracker when possible.

- [\[cfp-interest 3451\] Re: \[SC22WG14.30159\] New issue #1014: Error handling in ``reduc.h`` and ``augarith.h``](#) *Jim Thomas*

Jim & Damian: Jim to send to CFP an email with suggested wording changes for `complex.h`. Damian to update the proposal based on these and other suggestions. Jim to get a document number for Damian, then submit the updated proposal.

- [\[cfp-interest 3448\] Action item re changes to `complex.h` introduction proposal](#) *Jim Thomas*

Jerome: Write a proposal for `powr()` addressing Joseph's suggestion.

- [\[cfp-interest 3452\] response to action item re. `powr\(\)`](#) *Jerome Coonen*

Damian: Will check the powr() language against his ongoing changes.

Jim: Keep an agenda item re. the removal of “(also known as a singularity or infinitary)” in post-N3467 draft of C2Y.
Fixed in N3550 draft.

Discussion of issues

Reproducible floating point

- [\[cfp-interest 3453\] Fwd: floating point](#) *Jim Thomas*

[[reproducible]] example in 6.7.13.8 ignores exceptions

- [\[cfp-interest 3437\] \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *Jim Thomas*
 - [\[cfp-interest 3438\] Re: \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *JeanHeyd Meneide*
 - [\[cfp-interest 3439\] Re: \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *Jim Thomas*
 - [\[cfp-interest 3444\] Re: \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *JeanHeyd Meneide*
 - [\[cfp-interest 3445\] Re: \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *Jim Thomas*
 - [\[cfp-interest 3446\] Re: \[\[reproducible\]\] EXAMPLE 3 in 6.7.13.8](#) *JeanHeyd Meneide*

Domain and range errors in TS-4

- [\[cfp-interest 3451\] Re: \[SC22WG14.30159\] New issue #1014: Error handling in `<reduc.h>` and `<augarith.h>`](#) *Jim Thomas*

powr(x,y) with $x < 0$

- [\[cfp-interest 3452\] response to action item re. powr\(\)](#) *Jerome Coonen*

cproj proposal

complex.h intro proposal

- [\[cfp-interest 3448\] Action item re changes to complex.h introduction proposal](#) *Jim Thomas*

Return value vs return type

- [\[cfp-interest 3442\] \(no subject\)](#) *Damian McGuckin*
 - [\[cfp-interest 3443\] Re: \(no subject\)](#) *RAJAN BHAKTA*
 - [\[cfp-interest 3450\] Re: \(no subject\)](#) *Jim Thomas*

Range error wording for atan2 and atan2pi

- [\[cfp-interest 3431\] Range error conditions for atan2 and atan2pi](#) *Javier Múgica*
 - [\[cfp-interest 3434\] Re: Range error conditions for atan2 and atan2pi](#) *Paul Zimmermann*
 - [\[cfp-interest 3440\] Re: Range error conditions for atan2 and atan2pi](#) *Javier Múgica*

Semantic rules for constant expression evaluation

- [\[cfp-interest 3419\] constant expressions and floating-point exceptions](#) *Vincent Lefevre*
- [\[cfp-interest 3426\] Re: constant expressions and floating-point exceptions](#) *Jim Thomas*
 - [\[cfp-interest 3427\] Re: constant expressions and floating-point exceptions](#) *Vincent Lefevre*
 - [\[cfp-interest 3428\] Re: constant expressions and floating-point exceptions](#) *Jim Thomas*
 - [\[cfp-interest 3429\] Re: constant expressions and floating-point exceptions](#) *Vincent Lefevre*

- [\[cfp-interest 3430\] Re: constant expressions and floating-point exceptions](#) *Jim Thomas*

Editorial suggestions incl wording for cimag and creal

Imaginary l macro and i suffix issues, N3390 update

- [\[cfp-interest 3368\] removing imaginary l](#) *Jim Thomas*

next____() issues

More complex functions, e.g. ccbt, csinpi

CFP list of post C23 issues

<https://wiki.edg.com/pub/CFP/WebHome/c26g.htm>

- [\[cfp-interest 3454\] CFP issues status](#) *Jim Thomas*

Other issues