

WG14 N3726

CFP meeting

**Wednesday, October 15, 2025
8 AM PDT / 3 PM UTC**

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

<https://iso.zoom.us/j/98979365243?pwd=jLWGTdavFVxYVagupQSQQ2ocUbbbvT.1>

Password: 899413

Or iPhone one-tap :

US: +19712471195,,98979365243# or +16699006833,,98979365243#

Or Telephone:

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

US: +1 971 247 1195 or +1 669 900 6833 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 +1 651 372 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 +1 646 876 9923 or 888 788 0099 (Toll
Free) or 877 853 5247 (Toll Free)

Meeting ID: 989 7936 5243

Password: 899413

International numbers available: <https://iso.zoom.us/j/98979365243?pwd=jLWGTdavFVxYVagupQSQQ2ocUbbbvT.1>

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 dates:

October 29th (catch-up meeting)

November 19th?

Notes from previous meeting

- [\[cfp-interest 3603\] JTC1/SC22/WG14/CFP 2025/09/17 Meeting notes](#) *Jerome Coonen*

TS-4 and TS-5 revisions

- <https://www.iso.org/standard/83622.html>
- <https://www.iso.org/standard/83623.html>

C Documents

C2y drafts:

- [N3685](#) 2025/09/28 Meneide, Working Draft, Post-Brno 2025
- [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.

WG 14 matters

IEEE 754 liaison

- [\[cfp-interest 3600\] fyi: note sent to 754 working group on procedure](#) *David Hough 754R work*
- [\[cfp-interest 3601\] fyi: note to 754 working group on substance](#) *David Hough 754R work*

C++ liaison

News

Carry over action items

None

Action items from previous meeting

Jim & Rajan: Send email to WG14 seeking direction for how to deal with translation time evaluation of constant expressions that does not lead to possible undefined behavior.

- [\[cfp-interest 3641\] Floating expressions evaluated in translation](#) *Jim Thomas*

Jim & Rajan: Craft note to Alex, CC to WG14, re. n3584, removing imaginary I.

- [\[cfp-interest 3616\] Comments on N3581 \(Imaginary I fixes\) from CFP](#) *RAJAN BHAKTA*

Jerome: Draft a proposal re. the language of functions returning the principal value.

- [\[cfp-interest 3642\] Range bounds for math functions](#) *Jim Thomas*

Jim & Jerome: Look further into the language around when errors "occur" in the sense of C2Y and how the setting of errno fits in. Draft a proposal, if appropriate.

Discussion of issues

Floating expression evaluated in the translation environment

- [\[cfp-interest 3572\] WG14 meeting 2025/08 Question for CFP](#) *RAJAN BHAKTA*
- [\[cfp-interest 3641\] Floating expressions evaluated in translation](#) *Jim Thomas*

Removing imaginary I

- [N3581](#) 2025/07/01 Celeste, Remove the imaginary I, v2
- [\[cfp-interest 3616\] Comments on N3581 \(Imaginary I fixes\) from CFP](#) *RAJAN BHAKTA*

TOWARDS and missing quotes issues

- [\[SC22WG1414.32729\] FE_TOWARDSZERO in C23 standard](#), *Pascal Cuoq*
- [\[cfp-interest 3475\] Missing quotes in C standard - 6.4.5.3#13](#) *Damian McGuckin*

Error handling in TS-5

- [N3719](#) 2025/09/28 Myers, Floating-point TS 18661 (C23 version, 2025) issue log, r2

Output bounds for math functions

- [\[cfp-interest 3549\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Jim Thomas*
 - [\[cfp-interest 3551\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Paul Zimmermann*
 - [\[cfp-interest 3560\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Jim Thomas*
 - [\[cfp-interest 3561\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Jim Thomas*
 - [\[cfp-interest 3564\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Jim Thomas*
 - [\[cfp-interest 3565\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Jim Thomas*
 - [\[cfp-interest 3565\] Re: C23 possible defect: output bounds of imprecise math functions](#) *Fred J. Tydeman*
- [\[cfp-interest 3642\] Range bounds for math functions](#) *Jim Thomas*

Overflow, non-default rounding, errno

- [\[cfp-interest 3555\] Overflow, non-default rounding, errno is what?](#) *Fred J. Tydeman*
 - [\[cfp-interest 3556\] Re: Overflow, non-default rounding, errno is what?](#) *Vincent Lefevre*
 - [\[cfp-interest 3559\] Re: Overflow, non-default rounding, errno is what?](#) *Jim Thomas*

Annex F changes discussion paper

- [\[cfp-interest 3607\] Re: Annex F Changes Discussion Paper](#) *Damian McGuckin*

Special cases of cpow

- [\[cfp-interest 3570\] Re: \[Cfp-interest 3332\] special cases of cpow](#) *Paul Zimmermann*

Preferred quantum exponent for nextafterdN

- [\[cfp-interest 3579\] nextafterd32\(\) issue](#) *Fred J. Tydeman*
- [\[cfp-interest 3582\] Re: nextafterd32\(\) issue](#) *Jim Thomas*

F.10.9.1 - nextafter(x, y)

- [\[cfp-interest 3498\] C2Y - F.10.9.1 - nextafter\(x, y\)](#) *Damian McGuckin*

strtodN clarification

- [\[cfp-interest 3602\] strtodN](#) *Fred J. Tydeman*
 - [\[cfp-interest 3627\] strtodN](#) *Fred Tydeman*
 - [\[cfp-interest 3631\] Re: strtodN](#) *Jim Thomas*
 - [\[cfp-interest 3632\] Re: strtodN](#) *Fred Tydeman*
 - [\[cfp-interest 3633\] Re: strtodN](#) *Fred Tydeman*

F.3 #7 quiet/signaling NaNs

- [\[cfp-interest 3608\] Quiet/Signaling NaNs](#) *Damian McGuckin*
 - [\[cfp-interest 3618\] Re: Quiet/Signaling NaNs](#) *Jim Thomas*
 - [\[cfp-interest 3619\] Re: Quiet/Signaling NaNs](#) *Damian McGuckin*

F.10.1#14

- [\[cfp-interest 3495\] C2Y - F10.1#14](#) *Damian McGuckin*

Rounding modes, terminology

See email threads titled "Rounding Direction Mode or Rounding Direction or Rounding Mode" and "Rounding Mode"

canonicalize() in AnnexF - F.10.9.7

- [\[cfp-interest 3491\] C2Y's canonicalise\(\) in AnnexF - F.10.9.7](#) *Damian McGuckin*
 - [\[cfp-interest 3492\] Re: C2Y's canonicalise\(\) in AnnexF - F.10.9.7](#) *Damian McGuckin*

hypot(x, y) - C2Y F.10.5.4

- [\[cfp-interest 3503\] hypot\(x, y\) - C2Y F.10.5.4](#) *Damian McGuckin*
 - [\[cfp-interest 3504\] Re: hypot\(x, y\) - C2Y F.10.5.4](#) *Damian McGuckin*
 - [\[cfp-interest 3507\] Re: hypot\(x, y\) - C2Y F.10.5.4](#) *Paul Zimmermann*
 - [\[cfp-interest 3505\] Re: hypot\(x, y\) - C2Y F.10.5.4](#) *Vincent Lefevre*
 - [\[cfp-interest 3510\] Re: hypot\(x, y\) - C2Y F.10.5.4](#) *Damian McGuckin*
 - [\[cfp-interest 3511\] Re: hypot\(x, y\) - C2Y F.10.5.4](#) *Damian McGuckin*

hypot(x, NAN) in Annex F

- [\[cfp-interest 3490\] hypot\(x, NAN\) in Annex F](#) *Damian McGuckin*
 - [\[cfp-interest 3496\] Re: hypot\(x, NAN\) in Annex F](#) *Vincent Lefevre*

Magnitude or Absolute Value or |x| or

- [\[cfp-interest 3483\] Magnitude or Absolute Value or |x| or](#) *Damian McGuckin*
 - [\[cfp-interest 3486\] Re: Magnitude or Absolute Value or |x| or](#) *Damian McGuckin*

Preferred Style in Annex F - fromfp/fromfpx or nearbyint/rint

- [\[cfp-interest 3499\] C2Y - Preferred Style in Annex F - fromfp/fromfpx or nearbyint/rint](#) *Damian McGuckin*

"invalid" => domain error?

- [\[cfp-interest 3586\] "invalid" => domain error?](#) *Fred J. Tydeman*
 - [\[cfp-interest 3594\] Re: "invalid" => domain error?](#) *Damian McGuckin*
 - [\[cfp-interest 3588\] Re: "invalid" => domain error?](#) *Damian McGuckin*
 - [\[cfp-interest 3590\] Re: "invalid" => domain error?](#) *Jerome Coonen*
 - [\[cfp-interest 3589\] Re: "invalid" => domain error?](#) *Jim Thomas*

c sinh special case

- [\[cfp-interest 3592\] c sinh](#) *Fred J. Tydeman*
 - [\[cfp-interest 3593\] Re: c sinh](#) *Damian McGuckin*
 - [\[cfp-interest 3594\] Re: c sinh](#) *Jim Thomas*

Consistency in paragraphs using NaNs

- [\[cfp-interest 3625\] Consistency in paragraphs using NaNs](#) *Damian McGuckin*

The nan functions

- [\[cfp-interest 3629\] Annex F - F.10.9.2 - The nan functions](#) *Damian McGuckin*
 - [\[cfp-interest 3634\] Re: Annex F - F.10.9.2 - The nan functions](#) *Jim Thomas*

Occurs vs shall occur for math errors

- [\[cfp-interest 3635\] occurs vs shall occur](#) *Fred J. Tydeman*
 - [\[cfp-interest 3636\] Re: occurs vs shall occur](#) *Vincent Lefevre*

Floating-point function or function returning a floating-point result

- [\[cfp-interest 3622\] Floating point function or function returning a floating point result](#) *Damian McGuckin*
 - [\[cfp-interest 3628\] Re: Floating point function or function returning a floating point result](#) *Paul Zimmermann*
 - [\[cfp-interest 3638\] Re: Floating point function or function returning a floating point result](#) *Vincent Lefevre*

Encode/decode in TS-4

- [\[cfp-interest 3639\] The C-23 approach to encode and decode.](#) *Damian McGuckin*
 - [\[cfp-interest 3640\] Re: The C-23 approach to encode and decode.](#) *Vincent Lefevre*