

CFP Meeting

2026/08/26: 8:00 AM PDT/3:00 PM UTC

Attendees and introductions

Agenda

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3940.pdf>

Previous meeting notes

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3949.pdf> - 2026/07/22 Minutes

Study group logistics

Next meeting: 30 September 2026, 8:00 AM PDT/3:00 PM UTC

ISO Zoom teleconference: <https://iso.zoom.us/j/9495503012?pwd=vHaKRZLdPqqyOkfDIPVbIVgXblbzeY.1>

Note: Zoom link may change for this meeting or in the future. Email update will be provided if it is for this meeting.

C documents

The latest C2Y draft is N3886 2026/05/24: <https://www.open-std.org/jtc1/sc22/wg14/www/docs/n3886.pdf>

C23 has been published ISO/IEC 9899, available for purchase. <https://www.iso.org/standard/82075.html>

IEEE 754 update

WG14 update

WG14 meeting was 17-21 August in Ottawa.

See CFP3986 for details.

C++ liaison

TS-4 and TS-5 revisions

News

Carryover action items from last meeting

Fred: Add to open items list the issue in 3928 from Trevor regarding the awkward language in H.4.1 regarding whether or not functions need to be supported, based on what types are supported.

Group: Look at the notion of “range of representable values”. Can we tighten up this usage?

Action items from last meeting

Fred: Submit proposal re. quantum exponents of fromfp functions to WG14. Add a reference to the current C2Y draft and note that it's a technical change.

Fred: Prepare the proposal re. nexttoward/nextafter and send to CFP for review.

Damian: Write a proposal to add DEC_RADIX, with parallel structure to FLT_RADIX, then simplify the accompanying language to align with the current binary, octal, hex, etc. language for FLT_RADIX.

Damian: Revise the Annex F Introduction paper, for further review. Try to streamline the SNAN part, with group input.

Damian: Update Annex F special cases paper for review.

Group: Review the changes to the two Annex F papers.

Rajan: Check that n3364 alternative 1 has been put into the latest C2Y draft, per WG14 decision.

Fred: Apply email 3999 suggestions specifically to fabs, copysign, fabs, printf, to avoid triggering SNANs.

Damian: Put the updated Issues List in its own section on the wiki.

Discussion of issues (as of 2026/08/21)

- **C++ Infinity:** [\[cfp-interest 4003\] C++ and how it views an infinity](#) *Damian McGuckin*
- **Propose improved wording in H.11.4.1**
- **[cfp-interest 3955] action item -- nextafter and nexttoward** - *Jerome Coonen*
[cfp-interest 3963] nexttoward and nextafter - *Fred Tydeman*
- **[cfp-interest 3956] action item -- propose improved wording in H.11.4.1** - *Jerome Coonen*
- **[cfp-interest 3955] action item -- nextafter and nexttoward** - *Jerome Coonen*
- **[cfp-interest 3960] What do existing fromfp functions do for -0.0 result?** - *Fred Tydeman*
- **[cfp-interest 3962] Quantum of fromfp** - *Fred Tydeman* - *For reference (completed item)*
[cfp-interest 3968] Re: Quantum of fromfp - *Jerome Coonen*
- **[cfp-interest 3966] SNaN not raise invalid** - *Fred Tydeman*
[cfp-interest 3972-3974] Re: SNaN not raise invalid - *Damian*
[cfp-interest 3976] Re: SNaN not raise invalid - *Fred*
- **[cfp-interest 3967] Annex F - Introduction + SpecialCases** - *Damian McGuckin*

- **[cfp-interest 3969] Re: binary vs decimal sNaN initialization** - *Rajan Bhakta*
 [cfp-interest 3969] Re: binary vs decimal sNaN initialization - Fred
 [cfp-interest 3978] SNaN initialization - Fred
- **[cfp-interest 3965] Model numbers and double-double** - *Fred Tydeman*
- **[cfp-interest 3964] nextafter and zero** - *Fred Tydeman*
- **[cfp-interest 3975] SNaN and printf(), scanf(), strtod(), nan()...** - *Fred Tydeman*
- **[cfp-interest 3980] Correct Rounding Words for Elementary Mathematical Functions in C2Y** - *Damian McGuckin*
 [cfp-interest 3984] Re: Correct Rounding Words for Elementary Mathematical Functions in C2Y - Paul
- **[cfp-interest 3981] $x - 2^{**k}$ is exact for $2^{**k} \leq x \leq 2^{**k+n}$ for small $n > 1$** - *Damian McGuckin*
 [cfp-interest 3982] Re: $x - 2^{**k}$ is exact for $2^{**k} \leq x \leq 2^{**k+n}$ for small $n > 1$ - Damian
 [cfp-interest 3985] Re: $x - 2^{**k}$ is exact for $2^{**k} \leq x \leq 2^{**k+n}$ for small $n > 1$ - Paul
- **[cfp-interest 3983] signgam** - *Paul Zimmermann*
- **[cfp-interest 3987] CR functions in Intel Math Library** - *Paul Zimmermann*

Other issues

None

Adjournment