CFP Meeting
2026/07/22: 8:00 AM PDT/3:00 PM UTC

Attendees and introductions

Agenda
https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3920.pdf

Previous meeting notes
https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3919.pdf - 2026/06/24 Minutes

Study group logistics
Next meeting: 26 August 2026, 8:00 AM PDT/3:00 PM UTC
ISO Zoom teleconference

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
The next meeting is 17-21 August in Ottawa.

C++ liaison

TS-4 and TS-5 revisions

News

Carryover action items from last meeting
Jerome: Sort out the alleged issues with nexttoward and nextafter. Report to CFP with CC to originator of the topic.

Rajan & Jerome: Propose improved wording in H.11.4.1

Ariel: Find a footnote or other language re. FLT_RADIX not being an operation.
Damian: Incorporate Ariel's language about FLT_RADIX (in the action above) into the Annex F introduction.

Fred: Add discussion of conversion of floating types in 6.3.2.5, as an open issue.
https://mailman.oakapple.net/pipermail/cfp-interest/2026-April/003915.html

Action items from last meeting

Fred: Add to open issues list: Range errors and rounding mode. Include the issue revealed in Fred's email update.

Fred: Reply to Vincent about C macros in 3945.

Fred: Create a proposal to fix the language of nexttoward.

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..

Damian: (a) Fix th language to "cast of result of..." in Table F.1; (b)Keep the rounding direction language in step with current 754, not what is anticipated for 754-2029;. (c) Delete the colloquial "MIA: comment, as recommended; (d)

Joshua: Send a paragraph to the group about SNaN semantics, as might be helpful in the Annex F Intro.

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

Discussion of issues (as of 2026/07/15)

- **Editorial issues in 6.3.2.5:** [cfp-interest 3899] Converison Between Real Floating Types - 6.3.2.5 *Damian McGuckin*

- **Totalorder changes:** [cfp-interest 3914] Changes to totalorder/totalordermag *Damian McGuckin*

- **Fromfp quantum exponent:** [cfp-interest 3915] Quantum exponent from fromfp functions *Fred J. Tydeman*
    - [cfp-interest 3983] fromfp issues *Fred J. Tydeman*
        - [cfp-interest 3988] Re: fromfp issues *Damian McGuckin*

- **Editorial issues F.10.1:** [cfp-interest 3880] Special Cases in F.10.1 *Damian McGuckin*

- **Annex F Special Cases:** [cfp-interest 3974] C2Y-F-SpecialCases-20260401.pdf *Fred J. Tydeman*
    - [cfp-interest 3975] Re: C2Y-F-SpecialCases-20260401.pdf *Damian McGuckin*
    - [cfp-interest 3977] Re: C2Y-F-SpecialCases-20260401.pdf *Damian McGuckin*
        - [cfp-interest 3978] Integer result from SNaN argument *Fred J. Tydeman*
            - [cfp-interest 3979] Re: Integer result from SNaN argument *Damian McGuckin*
            - [cfp-interest 3980] Re: Integer result from SNaN argument *Damian McGuckin*
            - [cfp-interest 3982] Re: Integer result from SNaN argument *Fred J. Tydeman*

    - [cfp-interest 3976] Better Organize F.2,2, F.3 and F.10.1 *Fred J. Tydeman*
    - [cfp-interest 3981] comments on Annex F Special Cases proposal *Jerome Coonen*
        - [cfp-interest 3990] Re: comments on Annex F Special Cases proposal *Damian McGuckin*
- **nexttoward/nextafter rewording (Action item follow up):** [cfp-interest 3984] nexttoward/nextafter *Fred J. Tydeman*
- **Annex F Introduction:** [cfp-interest 3986] comments on Annex F Introduction proposal *Jerome Coonen*
    - [cfp-interest 3991] Re: comments on Annex F Introduction proposal *Damian McGuckin*
        - [cfp-interest 3993] Re: comments on Annex F Introduction proposal *Damian McGuckin*
- **FLT_RADIX in operations binding table (Action item follow up):** [cfp-interest 3985] FLT_RADIX *Fred J. Tydeman*
    - [cfp-interest 3994] FW: FLT_RADIX in Table F.2 *RAJAN BHAKTA*
        - [cfp-interest 3996] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
            - [cfp-interest 4001] Re: FW: FLT_RADIX in Table F.2 *Ariel Burton*
                - [cfp-interest 4002] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
                - [cfp-interest 4004] Re: FW: FLT_RADIX in Table F.2 *Fred J. Tydeman*
                - [cfp-interest 4005] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
                - [cfp-interest 4006] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
                - [cfp-interest 4009] Re: FW: FLT_RADIX in Table F.2 *RAJAN BHAKTA*
                - [cfp-interest 4013] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
                - [cfp-interest 4014] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
                - [cfp-interest 4015] Re: FW: FLT_RADIX in Table F.2 *RAJAN BHAKTA*
                - [cfp-interest 4016] Re: FW: FLT_RADIX in Table F.2 *Damian McGuckin*
- **Full support for signalling NaNs wording (part of Annex F review):** [cfp-interest 3997] Explaining "full support for signaling NaNs" *Joshua Cranmer*
    - [cfp-interest 4008] Re: Explaining "full support for signaling NaNs" *Damian McGuckin*
- **NaN initialization (should be done):** [cfp-interest 3998] binary vs decimal sNaN initialization *Fred J. Tydeman*
    - [cfp-interest 4000] Re: binary vs decimal sNaN initialization *RAJAN BHAKTA*
- **Triggering SNaNs:** [cfp-interest 3999] More on SNaNs *Fred J. Tydeman*
- **C++ Infinity:** [cfp-interest 4003] C++ and how it views an infinity *Damian McGuckin*
    - [cfp-interest 4012] Re: C++ and how it views an infinity *Damian McGuckin*

- **Define Real Numbers (Annex F changes handles this?):** [cfp-interest 4007] Definition of "real numbers" *Damian McGuckin*
    - [cfp-interest 4010] Re: Definition of "real numbers" *RAJAN BHAKTA*
        - [cfp-interest 4011] Re: Definition of "real numbers" *Damian McGuckin*
- **Decimal radix macro introduction:** [cfp-interest 4017] Why no FLT_DEC_RADIX *Damian McGuckin*
    - [cfp-interest 4018] Re: Why no FLT_DEC_RADIX *Damian McGuckin*
        - [cfp-interest 4019] Re: Why no FLT_DEC_RADIX *Damian McGuckin*
- **How close to 60559 wording:** [cfp-interest 4020] Wording in Annex F *Damian McGuckin*

Other issues

None

Adjournment