

CFP Meeting

2026/06/24: 8:00 AM PDT/3:00 PM UTC

Zoom

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

<https://iso.zoom.us/j/9495503012?pwd=vHaKRZLdPqqyOkfDIPVblVgXblbzeY.1>

Attendees and introductions

Approval of agenda

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3898.pdf>

Previous meeting notes

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/n3897.pdf> - 2026/05/13 Minutes

Study group logistics

Next meeting: 22 July 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

C++ liaison

TS-4 and TS-5 revisions

News

Carryover action items from last meeting

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.

Fred: Please provide Jerome and Damian a brief background on nexttoward.

Rajan & Jerome: Propose improved wording in H.11.4.1

Group: For the June meeting, make a CONCERTED EFFORT to read and ponder Damian's reports on Annex F.

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/C2Y-F-Introduction-20260401.pdf>

<https://cfp-wiki.esi.com.au/pub/CFP/WebHome/C2Y-F-SpecialCases-20260401.pdf>

Damian: Suggest modification F.3#1 to tighten the language of "operations" and related terms.

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>

Rajan: Mention study in email 3903 to WG14.

<https://mailman.oakapple.net/pipermail/cfp-interest/2026-April/003919.html>

Rajan & Jerome: Review the range bounds proposal with attention to the typography of the imaginary unit *i*, and submit the proposal to WG14. - Done. N3896.

Damian: Propagate Rajan's "and" suggestion through the parallel cases to the total order case in the discussion. Also, use the 754 wording "total ordering".

Discussion of issues

1. **C2Y and signalling NaNs:** [cfp-interest 3965, 3964, 3962, 3960, 3958, 3956]
2. **Weird casting error:** [cfp-interest 3961, 3959, 3957, 3952-3946]
3. **Range errors and rounding modes:** [cfp-interest 3953 and chain]
4. **__STDC_IEC_60559_BFP__ value in ISO C23:** [cfp-interest 3945]
5. **New issue #1068: Standard pragmas after labels:** [cfp-interest 3944]
6. **fdim and deferring to history:** [cfp-interest 3939]
7. **WG14: nexttoward has no exception to conversion:** [\[cfp-interest 3924, 3938, 3936\] FW: \[SC22WG14.36462\] nexttoward wording does not establish exception to conversion required by nextafter](#) RAJAN BHAKTA
8. **WG14: Annex H and non-arithmetic interchange formats:** [\[cfp-interest 3925\] FW: \[SC22WG14.36469\] Annex H and non-arithmetic interchange formats](#) RAJAN BHAKTA

9. **Annex F Special Cases:** [\[cfp-interest 3865\] Comments re Annex F Introduction](#) *Jim Thomas*
- [\[cfp-interest 3866\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3867\] Re: Comments re Annex F Introduction](#) *Jim Thomas*
 - [\[cfp-interest 3868\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3869\] Re: Comments re Annex F Introduction](#) *Jim Thomas*
 - [\[cfp-interest 3870\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3871\] Re: Comments re Annex F Introduction](#) *Paul Zimmermann*
 - [\[cfp-interest 3873\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3874\] Re: Comments re Annex F Introduction](#) *Paul Zimmermann*
 - [\[cfp-interest 3875\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3876\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3878\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
 - [\[cfp-interest 3872\] Re: Comments re Annex F Introduction](#) *Damian McGuckin*
10. **Editorial issues in 6.3.2.5:** [\[cfp-interest 3899\] Converison Between Real Floating Types - 6.3.2.5](#) *Damian McGuckin*
- [\[cfp-interest 3901\] Re: Converison Between Real Floating Types - 6.3.2.5](#) *RAJAN BHAKTA*
11. **Totalorder changes:** [\[cfp-interest 3914\] Changes to totalorder/totalordermag](#) *Damian McGuckin*
12. **Fromfp quantum exponent:** [\[cfp-interest 3915\] Quantum exponent from fromfp functions](#) *Fred J. Tydeman*
- [\[cfp-interest 3917\] Re: Quantum exponent from fromfp functions](#) *Fred J. Tydeman*
 - [\[cfp-interest 3916\] Re: Quantum exponent from fromfp functions](#) *Damian McGuckin*
13. **Editorial issues F.10.1:** [\[cfp-interest 3880\] Special Cases in F.10.1](#) *Damian McGuckin*
- [\[cfp-interest 3782\] Annex F changes + some thoughts on rounding direction mode](#) *McGuckin*
 - [\[cfp-interest 3731\] What is a mathematical library functiom?](#) *Damian McGuckin*
 - [\[cfp-interest 3735\] Re: What is a mathematical library functiom?](#) *Jim Thomas*
 - [\[cfp-interest 3736\] Re: What is a mathematical library functiom?](#) *Damian McGuckin*
 - [\[cfp-interest 3741\] Re: What is a mathematical library functiom?](#) *Jim Thomas*

- [\[cfp-interest 3794\] Updates to Annex F Special Cases + 10.1](#) *Damian McGuckin*
 - [\[cfp-interest 3795\] Re: Updates to Annex F Special Cases + 10.1](#) *Paul Zimmermann*
 - [\[cfp-interest 3796\] Re: Updates to Annex F Special Cases + 10.1](#) *Paul Zimmermann*
- [\[cfp-interest 3797\] Re: Updates to Annex F Special Cases + 10.1](#) *Damian McGuckin*
- [\[cfp-interest 3798\] Annex F 10.1](#) *Damian McGuckin*
 - [\[cfp-interest 3799\] Re: Annex F 10.1](#) *Jim Thomas*
- [\[cfp-interest 3800\] Re: Annex F 10.1](#) *Damian McGuckin*
- [\[cfp-interest 3814\] Other Annex F Editorial Issues - Updates CFP 3782](#) *Damian McGuckin*

Other issues

Adjournment