Agenda for February 2 - 6, 2026
74th MEETING OF ISO/IEC JTC 1/SC 22/WG 14
WG 14/N3812

Dates and Times

Monday	2	February	2026	14:30 – 18:00 UTC
Tuesday	3	February	2026	14:30 – 18:00 UTC
Wednesday	4	February	2026	14:30 – 18:00 UTC
Thursday	5	February	2026	14:30 – 18:00 UTC
Friday	6	February	2026	14:30 – 18:00 UTC

Each day will have a half-hour break from 16:00-16:30 UTC.

Meeting Location

This meeting is virtual via Zoom.

Meeting information

Please see the ISO Meetings platform (log into login.iso.org and click on Meetings) or contact the convenor for the URL and password.

Meeting Scribe: svoboda@cert.org

Local contact information

Robert Seacord

1. Opening Activities

- ☐ 1.1 Opening Comments (Seacord)
- ☐ 1.2 Introduction of Participants/Roll Call
- ☐ 1.3 Procedures for this Meeting (Seacord)
- ☐ 1.4 Required Reading

1.4.1 ISO Code of Ethics and Conduct

1.4.2 ISO Guidance and Process

1.4.3 IEC Code of Conduct

1.4.4 JTC 1 Summary of Key Points [N 2613]

- [ ] 1.5 Approval of Previous Meeting Minutes

  Draft Minutes August 2025, August 2025 [N3684] (motion)

- [ ] 1.6 Review of Action Items
  - [ ] N3607 adoption
  - [ ] N3622 adoption
  - [ ] N3715 accepted by remote vote since the last meeting
  - [ ] N3747 accepted by remote vote since the last meeting
- [ ] 1.7 Approval of Agenda [N3812] (motion)
- [ ] 1.8 Identify National Bodies Sending Experts

2. Reports on Liaison and Collaboration Activities

- [ ] 2.1 ISO, IEC, JTC 1, SC 22
- [ ] 2.2 National bodies in WG 14
- [ ] 2.3 WG 21
- [ ] 2.4 WG 23
- [ ] 2.5 MISRA C
- [ ] 2.6 Austin Group
- [ ] 2.7 Unicode Consortium
- [ ] 2.8 Other Liaison or Collaboration Activities

3. Study Groups

- [ ] Study Group Reports (5 minutes each)
  - [ ] 3.1 C Floating Point Study Group activity report (Rajan)
  - [ ] 3.2 C Memory Object Model Study Group activity report (Eskil)
  - [ ] 3.3 C and C++ Compatibility Study Group activity report (Meneide, Nina)
  - [ ] 3.4 Undefined Behavior Study Group activity report (Svoboda)
  - [ ] 3.5 defer (Meneide)
  - [ ] 3.6 Memory Safety (Uecker)
  - [ ] 3.7 `_Optional` Study Group (Bazley)

- [ ] 3.8 Infrastructure Group (Meneide)
- [ ] 3.9 New Study Group proposal (if applicable)

4. Future Meetings

- [ ] 4.1 Future Meeting Schedule

  Spring, 2026 Part 2, March 9 - 13 : Virtual

  Summer, 2026 August 17 - August 21 : 301-301 Moodie Drive, Ottawa, ON K2H 9C4

  Fall, 2026: November 16-20, 2026 : Armação de Búzios - Rio de Janeiro - Brasil

  Spring, 2027: April 26-30, 2027 : Parma, Italy

  Candidate Host: Suan Sunandha Rajabhat University

- [ ] 4.2 Future Mailing Deadlines

  Note: Please request document numbers at least one week before these dates.

  Pre-Spring 2026 Part 1 – 2 January, 2026

  Post-Spring 2026 Part 1 – 6 March, 2026

  Pre-Spring 2026 Part 2 – 9 February, 2026

  Post-Spring 2026 Part 2 – 13 April, 2026

5. Document Review

Monday, 2 February

- [ ] Gustedt, Clean up atomics, non-normative changes, v7 [N3788] (5 min, poll only)
  Decision poll: Do we want to adopt N3788 into the working draft for C2Y?
- [ ] Celeste, Celeste, Remove the imaginary I, v3 [N3786] (5 min, poll only)
  Decision poll: Do we want to adopt N3786 into the working draft for C2Y?
- [ ] Belov, Considering expressions based on restrict pointers as pure rvalue expressions [N3659] (0.5 hours)

Break

- [ ] Celeste, `auto` as a placeholder type specifier, v3 [N3579] (0.5 hours)

- [ ] Meneide, Meneide, Functions with Data, Closures in C, r2 [N3694] (1 hours)

Tuesday, 3 February

- [ ] Adams, Local functions [N3678] (0.5 hours)
- [ ] Adams, Literal functions [N3679] (0.5 hours)
- [ ] Uecker, Accessing the Context of Nested Functions [N3654] (0.5 hours)

Break

- [ ] Thomas, Clarification of range error condition for atan2 [N3646] (0.25 hours)
- [ ] Thomas, Semantic rules for constant evaluation [N3647] (0.25 hours)
- [ ] Thomas, Improved language for return type vs. return value [N3648] (0.25 hours)
- [ ] Uecker, Uecker, Earthly Demon: Accessing a Member of an Atomic Structure or Union (Updates n3624) [N3653] (0.25 hours)
- [ ] Łukasiewicz, Clarify terminology for obsolete features [N3642] (0.25 hours)
- [ ] Banham, Make implicit undefined behaviour in mtx_destroy() explicit [N3655] (0.25 hours)

Wednesday, 4 February

- [ ] Gustedt, *Properly specify the interaction of library calls for mutexes v3* [N3763] (0.5 hours)
- [ ] Gustedt, *Properly specify the interaction of library calls for condition variables v3* [N3764] (0.5 hours)
- [ ] Lenga, cleaner c/c++ headers boilerplate with ‘extern’ blocks [N3458] (0.5 hours)
- [ ] Svoboda, WG14's C indentation and brace styles [N3650] (0.5 hours)

Break

- [ ] Svoboda, Educational Undefined Behavior [N3534] (0.5 hours)
- [ ] Svoboda, Examples of Undefined Behavior [N3677] (0.5 hours)
- [ ] Bazley, Alternative syntax for forward declaration of parameters (v2) [N3681] (0.5 hours)

Thursday, 5 February

- [ ] Jabot, Preserving `LC_CTYPE` at program start for UTF-8 locales [N3539] (0.5 hours)
- [ ] Colomar, add `stpspn`(), `stpcspn`(), `wcpspn`(), `wcpcspn`() [N3663] (0.5 hours)
- [ ] Gerasimov, Mandatory diagnostic message on missing return statements [N3483] (0.5 hours)

Break

- [ ] García, typeof(return) [N3454] (0.5 hours)
- [ ] Bachmann, Make pointer type casting useful without negatively impacting performance - updates n2484 [N2658]
- [ ] Colomar, Rename `s/strpbrk/strchrs/` [N3670] (0.5 hours)
- [ ] Colomar, Refactor syntax of preprocessing directives [N3751] (0.5 hours)

Friday, 6 February

- [ ] Myers, *C23 issue log, r3* [*N3773*] (1 hour)
- [ ] Bazley, Enhanced type variance (v3) [N3674] (0.5 hours)
- [ ] Myers, *Floating-point TS 18661 (C23 version, 2025) issue log, r2* [*N3719*] (0.5 hours)

Break

- [ ] Meneide, printf string size specifiers (and general precision length modifiers), r3 [N3691] (0.5 hours)
- [ ] Colomar, add `strsep`(), `wcssep`() [N3667] (0.5 hours)

7. Other Business

If time (be prepared to discuss): cleared

Not scheduled for this meeting:

1. Meneide, Transparent Aliases, r6 [N3689] (0.5 hours)
   Colomar, Subdivide string API sections [N3671] (0.5 hours)
2. Grüninger, Add min, max for integers to C [N3160]
3. Colomar, add `strchrcnt`(), `strchrscnt()`, `wcschrcnt`(), `wcschrscnt`() [N3664] (0.5 hours)
4. Meneide, Thread Attributes, r2 [N3690] (0.5 hours)
5. Meneide, *Integer Constant Expression-Initialized const Integer Declarations are Implicitly constexpr, r3* [*N3693*] (0.5 hours)
6. Meneide, *embed Synchronization, r2* [*N3696*] (0.5 hours)
7. *Uecker, Wording Improvement: Generation of Non-Value Representations* [*N3700*] (0.5 hours)
8. *Uecker, Ghost: Lvalues that do not designate an object* [*N3701*] (0.5 hours)
9. Thomas, *C2Y proposal - Standard pragmas and headers* [*N3702*] (0.5 hours)
10. Thomas, *C2Y proposal - Preferred quantum exponent* [*N3703*] (0.5 hours)
11. Thomas, *C2Y proposal - Clean up `frexp`, `ldexp`, and `scalbn` prototypes* [*N3704*] (0.5 hours)

12. Krause, *bit-precise enum* [*N3705*] (0.5 hours)
13. Gustedt, *Add type-safe minimum and maximum type-generic macros v3* [N3762] (0.5 hours)
14. Svoboda, *Earthly Demon Slaying Technique and UB 6: Extended Punctuation Characters* [*N3710*] (0.5 hours)
15. Uecker, *Clarifying Undefined Behavior for the Indirection Operator* [*N3711*] (0.5 hours)
16. Uecker, *Earthly Demon: Conversion of Pointers to Integers of Insufficient Size* [*N3712*] (0.5 hours)
17. Uecker, *Type Compatibility: Ghosts, Readability, and A Missing Rule for Atomic* [*N3713*] (0.5 hours)
18. Svoboda, *Busting Another Ghost: UB#11: Value of auto Object* [*N3714*] (0.5 hours)
19. *Múgica, Array notation for vectorization, v. 2* [*N3717*] (0.5 hours)
20. *Múgica, What are the operands of Generic, v. 2* [*N3721*] (0.5 hours)
21. *Múgica, Generic replacement, v. 2* [*N3722*] (0.5 hours)
22. *Múgica, Discarded, V* [*N3724*] (0.5 hours)
23. *Karl, Designate the address of a struct/union's first member as the address of the struct/union* [*N3728*] (0.5 hours)
24. Thomas, *Proposal for C2Y - Range bounds for math functions* [*N3731*] (0.5 hours)
25. Bhakta, *Floating expressions evaluated in translation* [*N3732*] (0.5 hours)
26. Meneide, *Improved \\attribute\\((cleanup(...))) Through defer, r4* [*N3733*] (0.5 hours)
27. Meneide, defer Technical Specification (Committee Draft), r4 [N3734] (0.5 hours)
28. Thomas, Proposal for C2Y - Refine the language of error reporting [N3737] (0.5 hours)
29. Thomas, Proposal for C2Y - Preferred quantum exponent for nextafterN [N3738] (0.5 hours)
30. Gustedt, C semantics for contracts, v2 [N3789] (0.5 hours)
31. Uecker, Dependent Structure Types [N3745] (0.5 hours)
32. Colomar, Add operators _Minof and _Maxof [N3748] (0.5 hours)
33. Colomar, Adopt qualifier conversion rules from C++ [N3749] (0.5 hours)
34. Colomar, add a malloc(3)-based sprintf(3) variant [N3750] (0.5 hours)
35. Colomar, Ignite annex I [N3756] (0.5 hours)
36. Colomar, Liquidate Annex L [N3757] (0.5 hours)
37. Colomar, C source files are text files [N3633] (0.5 hours)
38. Colomar, Add operator _Typeas [N3634] (0.5 hours)
39. Colomar, add _Assert(), not depending on NDEBUG [N3760] (0.5 hours)
40. Douglas, Thread-safe signals handling [N3765] (0.5 hours)
41. Douglas, C Lingua Franca Results [N3766] (0.5 hours)
42. Seacord, Integer Comparison Macros [N3776]
43. Celeste, Allow arrays of incomplete element type [N3777]

44. Steenberg, Add N3607 To the list of papers that should be applied to previous standards [N3778]
45. Thomas, Proposal for C2Y - Annex F floating-point environment updates [N3779]
46. Meneide, _Any_func* - - A Universal Function Pointer Storage Type, r3 [N3782]
47. Meneide, Expression Evaluation and Access in _Generic, r0 [N3785]
48. *Múgica*, Array constant expressions [N3787]
49. Szewczyk, Variadic-argument introspection: __VA_COUNT__ and __VA_SLICE__ [N3792]
50. *Múgica*, array ICE subscript out of bounds [N3791]
51. Colomar, The Elvis operator ?: [N3793]
52. Almkainzi, Namespacing with prefixes [N3794]
53. Krause, Named Address Space Type Qualifiers for C2Y v3 [N3795]

Removed (by request of author):

- ☐ Colomar, add `st*rspn()`, `st*rcspn()`, `wc*rspn()`, `wc*rcspn()` [N3665] (0.5 hours)
- ☐ Ornato, Declaration-level static assertions [N3641]
- ☐ Colomar, Restore the traditional realloc(3) specification [N3752]
- ☐ Johnson, Namespaces Without Name Mangling [N3491] (0.5 hours)
- ☐ Johnson, Generic Data Structures Without Name Mangling [N3520] (0.5 hours)

8. Recommendations and Decisions reached

- ☐ 8.1 Review of Decisions Reached
- ☐ 8.2 Review of Action Items
- ☐ 8.4 Conditionally reapprove Brno minutes if no objection before March
- ☐ 8.5 Reapprove agenda

9. Thanks to Host

10. Adjournment (motion)