

Preliminary Agenda for February 24 - 28, 2025  
72nd MEETING OF ISO/IEC JTC 1/SC 22/WG 14  
WG 14/N3430

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### Dates and Times

24 February, 2025	09:00 – 12:00 Lunch	13:30 – 16:30
25 February, 2025	09:00 – 12:00 Lunch	13:30 – 16:30
26 February, 2025	09:00 – 12:00 Lunch	13:30 – 16:30
27 February, 2025	09:00 – 12:00 Lunch	13:30 – 16:30
28 February, 2025	09:00 – 12:00	

### Meeting Location

*Graz University of Technology  
Biomedical Engineering Building  
Stremayrgasse 16  
8010 Graz  
Austria*

### Meeting information

Venue information: [n3399](#)

Meeting Scribe: [aceleste@perforce.com](mailto:aceleste@perforce.com)

### Local contact information

*Martin Uecker* [uecker@tugraz.at](mailto:uecker@tugraz.at)

### 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 Minutes

WG 14 Minutes, October 2024 [[N3372](#)] (motion)

1.6 Review of Action Items and Resolutions

1.7 Approval of Agenda [[n3430](#)] (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

3.1 C Floating Point Study Group activity report ([Rajan](#))

3.2 C Memory Object Model Study Group activity report ([Sewell](#))

[Kleynhans](#), Update from the editor for [TS 6010. Programming languages — A provenance-aware memory object model for C](#)

3.3 C and C++ Compatibility Study Group activity report ([Meneide](#), Nina)

3.4 Undefined Behavior Study Group activity report ([Svoboda](#))

3.5 New Study Group proposal (if applicable)

3.6 Infrastructure Group ([Meneide](#))

## 4. Future Meetings

4.1 Future Meeting Schedule

Sept 15 -19, Carnegie Mellon University, Pittsburgh, PA, USA

Spring, 2026 Candidate: [Suan Sunandha Rajabhat University](#)

4.2 Future Mailing Deadlines

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

Pre-Pittsburgh 2025 – 15 August, 2025

Post-Pittsburgh 2025 – 19 October, 2025

## 5. Document Review

### Monday, 24 February

- Resolution of ballot comments on DTS 18661-4, DTS 18661-5, and DTS 6010 (as much time as needed)
- [ha6](#), stdarg.h wording... v3 [[N3363](#)] (0.5 hours)
- [Melo](#), Enabling Generic Functions and Parametric Types [[N2698](#)] (0.5 hours)
- [Meneide](#), Literal suffix for size\_t [[N2998](#)] (0.5 hours)
- [Meneide](#), \_Record types, r0 [[N3332](#)] (0.5 hours)
- [Celeste](#), `auto` as a placeholder type specifier [[N3339](#)] (0.5 hours)

### Lunch Break

- [Heumann](#), Initialization of anonymous structures and unions [[N3314](#)] (0.5 hours)
- [Svoboda](#), Slay Some Earthly Demons V (update v2) [[N3368](#)] (0.5 hours)
- [Múgica](#), Integer and arithmetic constant expressions [[N3371](#)] (0.5 hours)
- [Keane](#), Named Loops Should Name Their Loops: An Alternative Syntax for N3355 [[N3377](#)] (0.5 hours)
- [Gustedt](#), Array subscripting without decay v. 5 [[N3380](#)] (0.5 hours)
- [Múgica](#), Discarded-II. Updates N3351 [[N3382](#)] (0.5 hours)

### Tuesday, 25 February

- [Celeste](#), `if` declarations, v4 [[N3388](#)] (0.5 hours)
- [Celeste](#), Remove the imaginary I [[N3390](#)] (0.5 hours)
- [Gustedt](#), Objects of known constant size [[N3391](#)] (0.5 hours)
- [Gustedt](#), Reproducible expressions [[N3392](#)] (0.5 hours)

### Lunch Break

- [Gustedt](#), Clarify syntactic terms for array declarators [[N3393](#)] (0.5 hours)
- [Seacord](#), Composite types [[N3432](#)] (0.5 hours)

- [Uecker](#), Slaying A Triple-Headed Demon [[N3397](#)] (0.5 hours)
- [Uecker](#), Forward Declaration of Parameters v4 [[N3394](#)] (0.5 hours)
- [Uecker](#), Memory Safety: Unsafe Buffer Usage [[N3395](#)] (0.5 hours)
- [Uecker](#), Improved Type Safety for Null Pointer Constants [[N3396](#)] (0.5 hours)
- [Uecker](#), The Containerof Macro [[N3398](#)] (0.5 hours)

### Wednesday, 26 February

- [Bazley](#), \_Optional: a type qualifier to indicate pointer nullability (v2) [[N3422](#)] (0.5 hours)
- [Bachmann](#), Reducing undefined behavior for printf-style functions [[N3400](#)] (0.5 hours)
- [Ballman](#), Clarifications on null pointers in the library [[N3403](#)] (0.5 hours)
- [Uecker](#), Slay Some Earthly Demons X [[N3409](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XI [[N3410](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XII [[N3411](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XIII [[N3412](#)] (0.25 hours)

### Lunch Break

- [Gustedt](#), Clarify the specification of the width macros [[N3413](#)] (0.5 hours)
- [Gustedt](#), Clarify syntactic terms for array declarators v2 [[N3414](#)] (0.5 hours)
- [Gustedt](#), Reproducible expressions v2 [[N3415](#)] (0.5 hours)
- [Gustedt](#), Objects of known constant size v2 [[N3416](#)] (0.5 hours)
- [Uecker](#), Slay Some Earthly Demons XIV [[N3418](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XV [[N3419](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XVI [[N3420](#)] (0.25 hours)
- [Uecker](#), Slay Some Earthly Demons XVII [[N3421](#)] (0.25 hours)

### Thursday, 27 February

- [Thomas](#), Proposal for C2Y - frexp and double-double [[N3357](#)] (0.5 hours)
- [Thomas](#), Proposal for C2Y - lingering references to imaginary types [[N3358](#)] (0.5 hours)
- [Thomas](#), Proposal for C2Y - range error definition followup [[N3383](#)] (0.5 hours)
- [Thomas](#), Proposal for C2Y - complex operators [[N3384](#)] (0.5 hours)
- [Tydeman](#), SIGFPE and I/O, version 2 [[N3401](#)] (0.5 hours)
- [Thomas](#), Proposal for C2Y - Improved treatment of error conditions for functions that round result to narrow type [[N3404](#)] (0.5 hours)
- [Thomas](#), Proposal for C2Y - Improved wording for treatment of error conditions in `<math.h>` [[N3405](#)] (0.5 hours)

## Lunch Break

- [Gustedt](#), Even simpler defer for direct integration [[N3434](#)] (0.5 hours)
- [Uecker](#), Unspecified Sizes in Definitions of Arrays, v2 [[N3427](#)] (0.5 hours)
- [Uecker](#), Improved Type Safety for Null Pointer Constants, v2 [[N3426](#)] (0.5 hours)
- [Gustedt](#), Clarify status of non-returning functions with respect to function attributes [[N3424](#)] (0.5 hours)
- [Rowe](#), TrapC [[N3423](#)] (0.5 hours)

## Friday, 28 February

- [Ersek](#), integer promotions and conversion ranks, and alignments, in C17 [[N3444](#)] (0.5 hours)
- [Gustedt](#), Clarify status of non-returning functions with respect to function attributes [[N3424](#)] (0.5 hours)
- [Meneide](#), Variable Length Array Allocation Control, r0 [[N3437](#)] (0.5 hours)
- [Meneide](#), #embed Synchronization, r0 [[N3438](#)] (0.5 hours)
- [Meneide](#), \_\_self\_func, r0 [[N3439](#)] (0.5 hours)
- [Meneide](#), \_Generic and VLA realignment and improvement, r1 (updates N3331) [[N3441](#)] (0.5 hours)
- [Meneide](#), Improved \_\_attribute\_\_((cleanup(...))) Through defer, r1 [[N3442](#)] (0.5 hours)
- [Meneide](#), Integer Constant Expression-Initialized const Integer Declarations are Implicitly constexpr, r1 [[N3443](#)] (0.5 hours)
- [Łukasiewicz](#), Pitch for #dialect directive [N3407] (0.5 hours)

Adjourn at noon

## 7. Other Business

If there is time:

- [Gustedt](#), Chasing Ghosts I: constant expressions [[N3447](#)] (0.5 hours)
- [Gustedt](#), Chasing Ghosts II: accessing allocated storage [[N3448](#)] (0.5 hours)
- [Colomar](#), Function pointers are more readable with typeof() [[N3450](#)] (0.5 hours)
- [Bazley](#), Enhanced type variance [[N3449](#)] (0.5 hours)
- [Celeste](#), tbd [N3389] (0.5 hours)

Scheduled for Pittsburgh:

???

Old papers that haven't been scheduled yet pending request from the author:

- [N2658](#) 2022/01/03 [Bachmann](#), Make pointer type casting useful without negatively impacting performance - updates n2484
- [N3160](#) 2023/08/20 Grüniger, Add min, max for integers to C

The following paper(s) will not be ready for this meeting:

- [MacDonald](#), Defect with wording of restrict specification [[N3025](#)]
- [MacDonald](#), Provenance-Style Specification of restrict [[N3058](#)]

## 8. Recommendations and Decisions reached

- 8.1 Review of Decisions Reached
- 8.2 Review of Action Items

## 9. Thanks to Host

## 10. Adjournment (motion)