

Preliminary Agenda for 22–26 January, 2024

HYBRID MEETING OF ISO/IEC JTC 1/SC 22/WG 14 WG 14/N3202

Dates and Times

22 January, 2024	09:00 – 12:00 Lunch 13:30 – 16:30
23 January, 2024	09:00 – 12:00 Lunch 13:30 – 16:30
24 January, 2024	09:00 – 12:00 Lunch 13:30 – 16:30
25 January, 2024	09:00 – 12:00 Lunch 13:30 – 16:30
26 January, 2024	09:00 – 12:00

Meeting Location

*Inria
Campus Hôpital Civil
Bâtiment Explora
67000 Strasbourg
France*

Meeting information

Venue information: [n3172](#)

Local contact information

Jens Gustedt jens.gustedt@inria.fr

1. Opening Activities

1.1 Opening Comments (Seacord) / Volunteer for Meeting Minutes

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 2023 [[N3174](#)] (WG 14 motion)

1.6 Review of Action Items and Resolutions

1.7 Approval of Agenda [[N 3202](#)] (WG 14 motion)

1.8 Identify National Bodies Sending Experts

1.9 Note where we are in the current C23 schedule [[N 3156](#)]

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

30 September - 04 October, 2024 Minneapolis, Minnesota Hybrid

Spring, 2025 Candidates: Graz, Austria; Spain, London, UK

4.2 Future Mailing Deadlines

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

Post-Strasbourg Hybrid 202401 – 23 February, 2024

Pre-Minneapolis Hybrid 202401 – 30 August, 2024

Post-Minneapolis Hybrid 202401 – 30 September, 2024

5. Document Review

The main purpose of this meeting is the review and resolution of the DIS 9899 ballot comments. The schedule is fluid, because we won't move on to papers until the comments are resolved.

Monday, 22 January

5.1 Seacord, DIS 9899 ballot comments [[N3191](#)] (6 hours)

Tuesday, 23 January

- 5.2 TS 18661 Parts 4 and 5 Preparation (1.0 hours)
 - [Rajan](#), TS 18661-4 revision draft [[N3180](#)]
 - [Rajan](#), TS 18661-5 revision draft [[N3181](#)]
- 5.3 [Seacord](#), C2Y Charter discussion [[N2611](#)] (1.0 hours)
- 5.4 [Jabot](#), Accessing the command line arguments outside of main() [[N2948](#)] (0.5 hours)
- 5.5 The MacDonald Happy Meal

- [MacDonald](#), Defect with wording of restrict specification [[N3025](#)] (0.5 hours)
- [MacDonald](#), Provenance-Style Specification of restrict [[N3058](#)] (0.5 hours)

Lunch Break

- 5.6 [Bazley](#), _Optional: a type qualifier to indicate pointer nullability, [[N3089](#)] (1.0 hours)
- 5.6 The Bachmann Batch
 - [Bachmann](#), Removing undesirable undefined behavior for scanf() [[N3183](#)] (0.5 hours)
 - [Bachmann](#), Format Specifiers for Floating-point Numbers [[N3184](#)] (0.5 hours)
- 5.7 [Uecker](#), Forward Declaration of Parameters v3 [[n3207](#)] (0.5 hours)
- 5.8 [Gustedt](#), Simple TU initialization and cleanup handling with dependencies [[N3185](#)] (0.5 hours)

Wednesday, 24 January

- 5.9 The Gustedt Group
 - 5.9 [Gustedt](#), Some constants are literally literals [[N3189](#)] (0.5 hours)
 - 5.10 [Gustedt](#), Extensions to the preprocessor for C2Y [[N3190](#)] (0.5 hours)
 - [Seacord](#), Accessing arrays of character type [[N3197](#)] (0.5 hours)
 - [Gustedt](#), [Uecker](#) Initialization, allocation and effective type [[N3186](#)] (0.5 hours)
 - [Gustedt](#), [Uecker](#) Clarify array length specifications and sizeof expressions [[N3187](#)] (0.5 hours)
 - [Gustedt](#), [Uecker](#) Identifying array length state [[N3188](#)] (0.5 hours)
- 5.10 The Celeste Compilation
 - [Celeste](#), Sequential hexdigits [[N3192](#)] (0.5 hours)
 - [Celeste](#), Obsolete implicitly octal literals [[N3193](#)] (0.5 hours)

Lunch Break

- [Celeste](#), Case range expressions [[N3194](#)] (0.5 hours)
- [Celeste](#), Named loops [[N3195](#)] (0.5 hours)
- [Celeste](#), `if` declarations [[N3196](#)] (0.5 hours)
- [Celeste](#), Strict order of expression evaluation [[n3203](#)] (0.5 hours)
- [Celeste](#), Semantic basis for overloading [[n3204](#)] (0.5 hours)
- [Celeste](#), TS proposal: C - Extensions to support pure functions, v2 [[n3205](#)] (0.5 hours)

Thursday, 25 January

- 5.11 The Meneide Medley
 - [Meneide](#), Improved `__attribute__((cleanup))` Through defer [[N3199](#)] (1.0 hours)
 - [Meneide](#), Conditionally Supported Unwinding [[N3198](#)] (0.5 hours)
 - [Meneide](#), Transparent Aliases, r3 [[N3200](#)] (0.5 hours)
- 5.12 [Johnson](#), Operator Overloading Without Name Mangling v2 [[N3201](#)] (0.5 hours)
- 5.13 Gustedt, The future of imaginary types [[n3206](#)] (0.5 hours)

Friday, 26 January

6. Clarification Requests

The previous queue of clarification requests has been processed.

7. Other Business

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
- [N2995](#) 2022/06/22 [Meneide](#), `__supports_literal` needs serious design tweaking and there are likely better, less overt ways to solve the same problem
- [N3053](#) 2022/09/06 [Ballman](#), `alignof` of an incomplete array type
- [N3064](#) 2022/12/13 [Svoboda](#), Change request: Writing to multibyte character files
- [N3095](#) 2023/01/30 [Meneide](#), Restartable Functions for Efficient Character Conversion, r11 Another update to this paper must be made
- [N3051](#) 2022/08/07 Navia, Operator Overloading in C
- [N3060](#) 2022/09/28 [Douglas](#), C2y fopen "p" and bring fopen's mode closer to POSIX
- [N3160](#) 2023/08/20 Grüniger, Add min, max for integers to C
- [N3104](#) 2023/02/07 [Meneide](#), More Modern Bit Utilities, r2: Another update to this paper must be made
- [N3155](#) 2023/10/14 [Svoboda](#), Examples of Undefined Behavior
- [N3121](#) 2023/04/23 [Uecker](#), Forward Declaration of Parameters v2 (Updates N2780)

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

- [Meneide](#), Operator Overloading Without Name Mangling v2 [[N3201](#)]

8. Recommendations and Decisions reached

8.1 Review of Decisions Reached

8.2 Review of Action Items

9. Thanks to Host

10. Adjournment (WG 14 motion)