

Preliminary Agenda for 10-14 June, 2024
70th MEETING OF ISO/IEC JTC 1/SC 22/WG 14
WG 14/N3248

Dates and Times

10 June, 2024	13:30 – 17:00 UTC
11 June, 2024	13:30 – 17:00 UTC
12 June, 2024	13:30 – 17:00 UTC
13 June, 2024	13:30 – 17:00 UTC
14 June, 2024	13:30 – 17:00 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.

Local contact information

Robert Seacord <rcseacord@gmail.com>

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, January 2024 [[N3227](#)] (motion)

- 1.6 Review of Action Items and Resolutions
- 1.7 Approval of Agenda [[n3213](#)] (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](#))
- 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.

Pre-Virtual – 10 May, 2024

Post-Virtual – 10 July, 2024

Pre-Minneapolis Hybrid 2024 – 30 August, 2024

Post-Minneapolis Hybrid 2024 – 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, 10 June

- 5.0 [Ballman](#), alignof of an incomplete array type [[N3053](#)] (0.5 hours)
- 5.1 [Ballman](#), Allow zero length operations on null pointers [[N3177](#)] (0.5 hours)
- 5.2 [Uecker](#), A String Type for C [[N3210](#)] (0.5 hours)
- 5.3 [Uecker](#), Memory-Safety in C [[N3211](#)] (0.5 hours)
- 5.4 [Uecker](#), Polymorphic Types [[N3212](#)] (0.5 hours)

Tuesday, 11 June

- 5.5 [Ballman](#), Generic selection expression with a type operand [[N3214](#)] (0.5 hours)
- 5.7 Krause, Restrict atomic_flag creation [[N3246](#)] (0.5 hours)
- 5.8 [Seacord](#), The C Standard Charter [[N3223](#)] (0.5 hours)
- 5.10 [Seacord](#), Accessing byte arrays, v4 [[n3254](#)] (0.5 hours)
- 5.11 [Thomas](#), Proposal for C2Y -- Round-trip rounding [[N3232](#)] (0.5 hours)

Wednesday, 12 June

- 5.13 [Thomas](#), Proposal for C2Y -- Recommendation for printf rounding [[N3233](#)] (0.5 hours)
- 5.14 [Gustedt](#), The semantics of the restrict qualifier [[N3234](#)] (0.5 hours)
- 5.15 [Gustedt](#), Some constants are literally literals v2 [[N3239](#)] (0.5 hours)
- 5.16 [Gustedt](#), Remove imaginary types [[N3240](#)] (0.5 hours)
- 5.17 [Gustedt](#), Introduce complex literals [[N3241](#)] (0.5 hours)
- 5.18 [Thomas](#), Problematic use of “correctly rounded” [[N3242](#)] (0.5 hours)

Thursday, 13 June

- [Johnson](#), Unicode Length Modifiers v3 [[N3016](#)] (0.5 hours)
- [Svoboda](#), Writing to multibyte character files [[N3064](#)] (0.5 hours)

- [Douglas](#), fopen "p" and bring fopen's mode closer to POSIX 202x [[N3247](#)] (0.5 hours)
- Steenberg, A Memory model with Synchronization based type aliasing V1 [[N3243](#)] (0.5 hours)
- [Uecker](#), Slay Some Earthly Demons I [[N3244](#)] (0.5 hours)
- [Gustedt](#), Inline functions accessing identifiers declared with constexpr [[N3253](#)] (0.5 hours)

Friday, 14 June

- Overflow

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
- [N3095](#) 2023/01/30 [Meneide](#), Restartable Functions for Efficient Character Conversion, r11 Another update to this paper must be made
- [N3160](#) 2023/08/20 [Grüninger](#), 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)

8. Recommendations and Decisions reached

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

9. Thanks to Host

10. Adjournment (motion)