Updated Agenda for 10-14 June, 2024
70th MEETING OF ISO/IEC JTC 1/SC 22/WG 14
WG 14/N3283

Dates and Times

<table>
<thead>
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<th>Date</th>
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<tbody>
<tr>
<td>10 June, 2024</td>
<td>13:30 – 17:00 UTC</td>
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<tr>
<td>11 June, 2024</td>
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<tr>
<td>12 June, 2024</td>
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<tr>
<td>13 June, 2024</td>
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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
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, Bristol, UK

- 4.2 Future Deadlines
  
  Note: Please request document numbers by one week before these dates.
  
  Pre-Virtual – 10 May, 2024
5. Document Review

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 [N3261] (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 Krause, Restrict atomic_flag creation [N3246] (0.5 hours)

Tuesday, 11 June

- 5.5 Ballman, Generic selection expression with a type operand [N3260] (0.5 hours)
- 5.6 Łukasiewicz, Seacord, The C Standard Charter [N3255, N3223] (0.5 hours)
- 5.7 Thomas, Proposal for C2Y -- Recommendation for printf rounding [N3233] (0.5 hours)
- 5.8 Thomas, Problematic use of “correctly rounded” [N3242] (0.5 hours)
- 5.9 Thomas, Proposal for C2Y -- Round-trip rounding [N3232] (0.5 hours)
- 5.10 Gustedt, The semantics of the restrict qualifier [N3234] (0.5 hours)
- 5.11 Gustedt, Some constants are literally literals v2 [N3239] (0.5 hours)
- 5.12 Gustedt, Remove imaginary types [N3263] (0.5 hours)

Wednesday, 12 June

- 5.13 Gustedt, Introduce complex literals [N3241] (0.5 hours)
- 5.14 Uecker, Polymorphic Types [N3212] (0.5 hours)
- 5.15 Seacord, Accessing byte arrays, v4 [N3254] (0.5 hours)
- 5.16 Bazley, strb_t: A standard string buffer type [N3250] (0.5 hours)
- 5.17 Bazley, Standardize strnlen and wcsnlen [N3252] (0.5 hours)
- 5.18 Svoboda, Writing to multibyte character files [N3064] (0.5 hours)
- 5.19 Douglas, fopen "p" and bring fopen’s mode closer to POSIX 202x [N3247] (0.5 hours)

Thursday, 13 June

- 5.20 Steenberg, A Memory model with Synchronization based type aliasing V1 [N3243] (0.5 hours)
- 5.21 Uecker, Slay Some Earthly Demons I [N3244] (0.5 hours)
- 5.22 Gustedt, Inline functions accessing identifiers declared with constexpr [N3253] (0.5 hours)
5.23 Ballman, Support ++ and -- on complex values [N3259] (0.5 hours)
5.24 Seacord, Usability of a byte-wise copy of va_list [N3262] (0.5 hours)
5.25 Ballman, alignof of an incomplete array type (updates N3273)
5.26 Gustedt, Remove imaginary types v3 [N3274] (0.5 hours)
5.27 Uecker, Slay Some Earthly Demons I [N3244] (0.5 hours)

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)
- Johnson, Unicode Length Modifiers v3 [N3016] (0.5 hours)

8. Recommendations and Decisions reached

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

9. Thanks to Host

10. Adjournment (motion)