

# Agenda for August 25 - 29, 2025

## 73rd MEETING OF ISO/IEC JTC 1/SC 22/WG 14

### WG 14/N3635

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#### Dates and Times

|                 |                                   |
|-----------------|-----------------------------------|
| 25 August, 2025 | 09:00 – 12:00 Lunch 13:30 – 16:30 |
| 26 August, 2025 | 09:00 – 12:00 Lunch 13:30 – 16:30 |
| 27 August, 2025 | 09:00 – 12:00 Lunch 13:30 – 16:30 |
| 28 August, 2025 | 09:00 – 12:00 Lunch 13:30 – 16:30 |
| 29 August, 2025 | 08:30 – 11:00                     |

#### Meeting Location

*Faculty of Business Mendel University in Brno  
Building Q, Deanery at Ground Floor  
Zemědělská 1665  
613 00 Brno-sever-Černá Pole  
Czechia*

#### Meeting information

Venue information: [N3541: Brno August 2025 Venue](#)

Meeting Scribe: [David Svoboda](#)

#### Local contact information

[Hana Dušíková](#)

#### 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, February 2025 [[N3583](#)] (motion)

Supporting documents for February 2025 minutes [[N3584](#)]

### ☐ 1.6 Review of Action Items

### ☐ 1.7 Approval of Agenda [Nxxxx] (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 ([Freek](#))

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

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

#### ☐ [Uecker](#), Ghosts and Demons: Undefined Behavior in the C2Y Core Language (Status Update) [[N3529](#)]

### ☐ 3.5 defer ([Meneide](#))

#### ☐ [Meneide](#), defer Technical Specification (Committee Draft), r2 [[N3589](#)]

### ☐ 3.6 Memory Safety ([Uecker](#))

### ☐ 3.7 Infrastructure Group ([Meneide](#))

### ☐ 3.8 New Study Group proposal (if applicable)

## 4. Future Meetings

### ☐ 4.1 Future Meeting Schedule

Spring, 2026 Part 1, February 2 - 6 : Virtual

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

Fall, 2026 September 14-18: 301 Moodie Drive, Ottawa ON, K2H 9C4

Future Candidate: [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, 24 February

- ☐ [Uecker](#), Arrays (0.5 hours)
  - ☐ Matching of Multi-Dimensional Arrays in Generic Selection Expressions (updates N3290) [[N3348](#)]
  - ☐ Comments on Array Type [[N3428](#)]
- ☐ [Gustedt](#), The `__COUNTER__` predefined macro [[N3457](#)] (0.5 hours)

Morning break

- ☐ [Meneide](#), `__self_func`, r2 [[N3486](#)] (0.5 hours)
- ☐ [Chronister](#), Initializing static and thread objects with compound literals [[N3235](#)] (0.5 hours)
- ☐ [Gerasimov](#), Mandatory diagnostic message on missing return statements [[N3483](#)] (0.5 hours)

Lunch Break

- ☐ [Johnson](#), Namespaces Without Name Mangling [[N3491](#)] (0.5 hours)
- ☐ [Gustedt](#), Chasing Ghosts I: constant expressions v2 [[N3558](#)] (0.5 hours)
- ☐ [Gustedt](#), Another daemon: waiting for condition variables [[N3559](#)] (0.5 hours)

Afternoon break

- ☐ [Myers](#), [Open Issue processing](#) (1.5 hours)

## Tuesday, 25 February

- ☐ [Múgica](#), Floating literals converted to bool [[N3545](#)] (0.5 hours)
- ☐ [Múgica](#), Phrase semantic boolean operators as if bool, v. 1.1 [[N3602](#)] (0.5 hours)
- ☐ [Múgica](#), Generic replacement (v. 2 of quasi-literals) [[N3605](#)] (0.5 hours)

Morning break

- ☐ [Meneide](#), Thread Attributes, r0 [[N3554](#)] (0.5 hours)
- ☐ [Gustedt](#), Objects of known constant size v4 [[N3508](#)] (0.5 hours)
- ☐ [Colomar](#), Relax restrictions on standard attributes [[N3576](#)] (0.5 hours)

Lunch Break

- ☐ [Colomar](#), Rename s/uimaxabs/umaxabs/ [[N3577](#)] (0.5 hours)
- ☐ [Colomar](#), Adopt qualifier conversion rules from C++ [[N3574](#)] (0.5 hours)
- ☐ [Bazley](#), Enhanced type variance (v2) [[N3510](#)] (0.5 hours)

Afternoon break

- ☐ [Bazley](#), Type qualifiers do not apply to type categories [[N3511](#)] (0.5 hours)
- ☐ [Bazley](#), Dogfooding the \_Optional qualifier [[N3578](#)] (0.5 hours)
- ☐ [Steenberg](#), Effective Type in C [[N3519](#)] (0.5 hours)

## Wednesday, 26 February

- ☐ [Seacord](#), generic\_count\_type, v1.0.0 [[N3593](#)] (0.5 hours)
- ☐ [Seacord](#), Composite types, v1.1.0 [[N3521](#)] (0.5 hours)
- ☐ [Seacord](#), Integer Sets, v1.0.0 [[N3592](#)] (0.5 hours)

Morning break

- ☐ [Uecker](#), Earthly Demon XV: Definition of Main (Updates n3480) [[N3562](#)] (0.25 hours)
- ☐ [Uecker](#), Representation of Pointers and nullptr\_t [[N3563](#)] (0.25 hours)
- ☐ [Uecker](#), Earthly Demon: Accessing a Member of an Atomic Structure or Union

- ☐ [\[N3564\]](#) (0.25 hours)
- ☐ [Meneide](#), Integer Constant Expression-Initialized const Integer Declarations are Implicitly constexpr, r1 [\[N3600\]](#) (0.5 hours)
- ☐ [Meneide](#), Additional Half-Open case Range Syntax, r1 [\[N3601\]](#) (0.5 hours)

#### Lunch Break

- ☐ [Gustedt](#), static\_assert without UB [\[N3525\]](#) (0.5 hours)
- ☐ [Johnson](#), Generic Data Structures Without Name Mangling [\[N3520\]](#) (0.5 hours)
- ☐ [Meneide](#), Literal Suffixes for size\_t, r2 [\[N3485\]](#) (0.5 hours)

#### Afternoon break

- ☐ [Ballman](#), Member access of an incomplete object [\[N3532\]](#) (0.5 hours)
- ☐ [Mailhol](#), Static assertions in expressions [\[N3538\]](#) (0.5 hours)
- ☐ [Jabot](#), Preserving LC\_CTYPE at program start for UTF-8 locales [\[N3539\]](#) (0.5 hours)

### Thursday, 27 February

- ☐ [Múgica](#), What does “to evaluate a type name” mean? [\[N3548\]](#) (0.5 hours)
- ☐ [Múgica](#), Discarded, IV [\[N3549\]](#) (0.5 hours)
- ☐ [Múgica](#), What are the operands of Generic [\[N3561\]](#) (0.5 hours)

#### Morning break

- ☐ [Douglas](#), Standard secure networking [\[N3533\]](#) (0.5 hours)
- ☐ [Douglas](#), Modern signals handling [\[N3540\]](#) (0.5 hours)
- ☐ [Múgica](#), Classification of the register storage-class specifier [\[N3544\]](#) (0.25 hours)

#### Lunch Break

- ☐ [Gustedt](#), Clean up atomics, non-normative changes v3 [\[N3542\]](#) (0.5 hours)
- ☐ [Gustedt](#), Add type-safe minimum and maximum type-generic macros [\[N3543\]](#) (0.5 hours)
- ☐ [Gustedt](#), Clean up atomics, non-normative changes v4 [\[N3606\]](#) (0.5 hours)

#### Afternoon break

- ☐ [Thomas](#), frexp and double-double (updates N3357) [\[N3535\]](#) (0.25 hours)
- ☐ [Thomas](#), Clarify wording for 7.3.9.5 - cproj [\[N3536\]](#) (0.25 hours)
- ☐ [Thomas](#), Correct and clarify 7.3.1 Introduction of Complex arithmetic [\[N3537\]](#) (0.25 hours)
- ☐ [Thomas](#), Clarification for complex suffix specification [\[N3500\]](#) (0.25 hours)

- ☐ [Thomas](#), Improved language for `powr(x,y)` with  $x < 0$  [[N3560](#)] (0.25 hours)

## Friday, 28 February

- ☐ [Celeste](#), Simplified lexical scope for labels [[N3474](#)] (0.5 hours)
- ☐ [Meneide](#), printf string size specifiers (and general precision length modifiers), r1 [[N3591](#)] (0.5 hours)
- ☐ [Meneide](#), `_Any_func_t` - A Universal Function Pointer Storage Type, r0 [[N3556](#)] (0.5 hours)
- ☐ [Gustedt](#), Function call without decay [[N3557](#)] (0.5 hours)
- ☐ [Colomar](#), Add operators `_Widthof`, `_Minof`, `_Maxof` [[N3573](#)] (0.5 hours)
- ☐ [Colomar](#), add a `malloc(3)`-based `sprintf(3)` variant [[N3575](#)] (0.5 hours)

Adjourn at 11am

## 7. Other Business

If time

- ☐ [Gustedt](#), Retire the concept of consume operations [[N3607](#)] (0.5 hours)
- ☐ [Colomar](#), add `streq()` [[N3611](#)] (0.5 hours)
- ☐ [Colomar](#), add `strpfx()`, `stppfx()`, `wcspfx()`, and `wcppfx()` [[N3612](#)] (0.5 hours)
- ☐ [Colomar](#), add `strsfx()`, `stpsfx()`, `wcssfx()`, `wcpsfx()` [[N3613](#)] (0.5 hours)
- ☐ [Colomar](#), (potentially) reserve `stp*()`, `wcp*()`, `memp*()`, `wmemp*()` [[N3614](#)] (0.5 hours)
- ☐ [Colomar](#), add `stpcpy(3)`, `wcpcpy(3)`, `mempcpy(3)`, `wmempcpy(3)` [[N3615](#)] (0.5 hours)
- ☐ [Colomar](#), add `stpssp()`, `stpcspn()`, `wcspn()`, `wpcspn()` [[N3616](#)] (0.5 hours)
- ☐ [Colomar](#), add `memeq()`, `wmemeq()` [[N3617](#)] (0.5 hours)
- ☐ [Colomar](#), add `strchrnt()`, `strchrscnt()`, `wcschrnt()`, `wcschrscnt()` [[N3618](#)] (0.5 hours)
- ☐ [Colomar](#), add `[w]memzero()`, `[w]memzero_explicit()` [[N3619](#)] (0.5 hours)
- ☐ [Colomar](#), add `st*rspn()`, `st*rcspn()`, `wc*rspn()`, `wc*rcspn()` [[N3620](#)] (0.5 hours)
- ☐ [Colomar](#), Restore the traditional `realloc(3)` specification [[N3621](#)] (0.5 hours)
- ☐ [Colomar](#), Allow calling static inline within extern inline [[N3622](#)] (0.5 hours)
- ☐ [Uecker](#), Earthly Demon XV: Definition of Main (Updates n3562) [[N3623](#)] (0.5 hours)
- ☐ [Uecker](#), Earthly Demon: Accessing a Member of an Atomic Structure or Union (Updates n3564) [[N3624](#)] (0.5 hours)
- ☐ [Douglas](#), Variable length prefixed length strings [[N3608](#)] (0.5 hours)
- ☐ [Celeste](#), Remove the imaginary `l`, v2 [[N3581](#)] (0.5 hours)
- ☐ [Celeste](#), ``if`` declarations, v5.1, wording improvements [[N3580](#)] (0.5 hours)

Scheduled for Spring 2026:

- ☐ [Colomar](#), Add directives #def and #enddef (updates n3524) [[N3531](#)] (0.5 hours)
- ☐ [Colomar](#), sizeof(void) == 1 [[N3522](#)] (0.5 hours)

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

- ☐ [Bachmann](#), Make pointer type casting useful without negatively impacting performance - updates n2484 [[N2658](#)]
- ☐ Grüniger, Add min, max for integers to C [[N3160](#)]

## **8. Recommendations and Decisions reached**

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

## **9. Thanks to Host**

## **10. Adjournment (motion)**