WG21 pre-Rapperswil telecon minutes

ISO/IEC JTC1 SC22 WG21 N4751 — 2018-05-25

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1 Opening and introductions

1.1 Roll call of participants

- Barry Hedquist
- Herb Sutter
- Detlef Vollmann
- Gabriel Dos Reis
- Hal Finkel
- Hubert Tong
- J Daniel Garcia
- JC van Winkel
- JeanHeyd Meneide
- Jens Mauer
- JF Bastien
- John Spicer
- Lois Goldthwaite
- Marshall Clow
- Mike Miller
- Nevin Liber
- Nina Ranns
- Olivier Giroux
- Thomas Plum
- Titus Winters
- Tom Honermann
- Walter E Brown

1.2 Adopt agenda

No objections to adopting the agenda

1.5 Review of project editor and liaison assignments

We're in need of a Library Fundamentals project editor. Looking for volunteers.

2. Status, liaison and action item reports

2.1 Subgroup status reports (CWG, EWG, LWG, LEWG)

2.1.1 CWG , Mike Miller

9 papers ready for review, 3 additional papers have core review but are waiting for additional wording. There may be additional papers referred to from EWG. CWG will be prioritising EWG paper review.
There is a need for issue processing. CWG will try to reserve a couple of afternoons for issues processing.
Thank you to Ville for rescheduling of terse syntax discussion to an evening session. That way we can keep CWG quorum during the normal business hours.
Thank you to Jens for organising the work load on wiki.

2.1.2 EWG, Ville Voutilainen

Herb presenting in Ville's absence. More papers than usual to process and some big discussion that will take half or full day. Evolution schedule is full, but EWG will try to prioritise items in P0939. Some papers may have to be deferred to San Diego

2.1.3 LWG, Marshall Clow

Lots of papers to process, a list has been added to wiki. Not all have been scheduled, but Marshall has blocked off time for the main objectives of the meeting. LWG will probably not get through all the papers in Rapperswil, some will be deferred to a tentative LWG meeting or San Diego meeting. LWG plans to allocate one evening session for issue processing.

Walter Brown can help with dedicated LWG meeting. Titus wants to be kept in the loop.

2.1.4 LEWG, Titus Winters

LEWG has around 60 papers and a number of large items that will dominate the time. It's estimated that the work on merging Ranges TS will make a third of working hours. Larger than normal set of priority papers that LEWG are unlikely to be able to address.
Draft of the agenda is out but not all issues raised with the agenda have been addressed at this point.
LEWG is expecting significant backlog.
LEWG started doing paper discussion on the reflector. This should give more throughput.

2.2 Liaison reports

2.2.1 Study Group reports

Reports from the following active SGs:

SG1, Concurrency: Olivier Giroux

Executors are number 1 priority. There will be a joint session with LEWG. Rapperswill is probably the last opportunity to get things into C++20. SG1 expects regular amount of work in Rapperswill.

Marshall says there is a Parallelism NB comments work scheduled for Wednesday. Olivier says SG1 will try to discuss NB comments at the beginning of the meeting so there is feedback for LEWG.

SG5, Transactional memory: Michael Wong

Herb presenting in Michael's absence. SG5 has had regular telecons. SG5 is at a point where it is not clear if there is any more work to be done.

SG6, Numerics: Lawrence Crowl

No report.

SG7, Compile-time programming: Chandler Carruth

No report

SG10, Feature test: John Spicer

Question was raised about how to adopt feature test macros. Ville wrote a paper to address this.
Herb will suggest to move SG10 into the list of completed sub groups.

Walter asked who will be responsible for assigning new macros.
Titus says LEWG always looks for FT macros in proposals.
Mike says CWG also looks for any FT macros needed for new proposals.

SG12, Undefined and unspecified behavior: Gabriel Dos Reis

There is an important paper to look at which is scheduled for Monday : P0593 by R. Smith. Sg12 is also planning a joint meeting with WG23 in Rapperswill.

Hubert says that Stephen Michell may not be able to attend in person, but another person from WG23 might be there and Stephen can join in remotely using a conferencing system.

Hubert says p0593 scheduled around the same time as P01093 is scheduled in EWG. Gaby will coordinate with Ville.

SG14, Low latency: Michael Wong

No update.

SG15, Tooling: Titus Winters

SG15 plan to meet in Rapperswill, there are a couple of papers in the mailing. There will be a presentation on build systems and package managements, and more general discussion. They plan to meet on Friday evening.

SG16, Unicode and text: Tom Honermann

SG16 will not meet in Rapperswill because of lack of quorum. SG16 have met 4 times since formation and will meet again next week. They would like to see char8_t paper progress. Also working on improving efficiency operation with std:string.
SG16 progress can be seen in p1080.

Hubert points out that P1041 has been claimed by EWG but has not been scheduled for discussion.
Tom has sent an email to WG chairs.

Tom would like to see progress on P1025.

Titus asks for an update on char8_t paper. Paper has passed LEWG and EWG, it is currently scheduled for CWG and LWG.

JF Bastien asks if SG16 will meet in San Diego.
Tom says SG16 will meet in San Diego.

2.2.2 SC22 report

Nothing to report.

2.2.3 SC22/WG14 (C) report

Barry says there is a C revision out for ballot, but just bug fixes and no new features.

3. New business

Rapperswill is the last meeting before hitting deadlines and merging TS-s which will lead to large discussions in EWG.

New work item has been requested for Reflection TS . Work is not blocked on getting the new project number.

New project request coming in for Library Fundamentals TS and C++20

3.1 Review of priorities and target dates

No discussion.

3.2 Review of current mailings

No discussion.

3.3 Any other business

No discussion.

4. Review

4.1 Review and approve resolutions and issues

No discussion.

4.2 Review action items

SG16 to be added to the list of active study groups.
SG10 to be added to the list of inactive study groups.

5. Closing process

5.1 Establish next agenda

Herb will reuse the same agenda outline. No objections.

5.2 Future meetings (deferred to face-to-face meeting)

5.3 Future mailings (deferred to face-to-face meeting)

5.4 Adjourn

Meeting adjourned at 08:55 N.Am. Pacific Time.