

MPI 4.1 Procedures and Logistics

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MPI 4.1 Timeline

~~March 2023 - Final Readings~~

~~May 2023 - Final 1st Votes~~

July 2023 - Final 2nd/Errata Votes

September 2023 - Release Candidate Meeting (RCM)

October 2023 - Final Ratification Meeting (FRM)

Timeline Between Now and MPI 4.1

- Finish the second votes
- Make last chapter committee changes
- Publish RC document
- Review document
- Ratify document
- Elect new officers



Before the July 2023 Meeting

- Authors finalize tickets for MPI 4.1 changes
- Chapter committees complete changes tagged for MPI 4.1
 - <https://github.com/orgs/mpi-forum/projects/1/views/9>



During the July 2023 Meeting

- Authors:
 - Finish anything that needs votes for MPI 4.1 (2nd votes and errata)
- All:
 - Agree on remaining work for MPI 4.1



July 13 - August 1

- Chapter Committee Chairs (and committees)
 - Propose, get reviewed, and merge last minute changes to respective chapters



August 1 - August 14

- Document Editor
 - Publish a Release Candidate Draft for MPI 4.1
 - Create an MPI 4.1 "draft" branch in the repository where unmerged changes can be combined for the purpose of generating a document for the RCM.



August 14 - September 8

- Chapter Committee Chairs (with committee's help):
 - At the RCM, each chair goes through their respective chapters and itemizes the changes since MPI 4.0.
 - Check out the latest version of the draft branch and run this:
 - `git diff mpi-4.0`
 - Other options:
 - <https://www.diffchecker.com/pdf-compare>
 - <https://www.draftable.com/compare>
 - Probably should build individual chapter PDFs to minimize compute time
 - Put together “reading” for chapter(s) to convey the list of all changes.
 - Could use marked up PDF, slides, etc.
 - Make sure to check all changes, not just the ones you *expect* to be there.
 - Itemize a list of things that need to be done to have the chapter be ready for a final version.
 - Work on resolving the list of changes (if any) via PRs against the draft branch.



August 14 - September 8

- All MPI Forum Members:
 - Review the entire Release Candidate Draft
 - We will produce a spreadsheet with the entire MPI Standard chunked into pieces.
 - Everyone who has attended 3 of the previous 5 (and any other volunteers) will be assigned a chunk of pages to review.
 - That works out to about 29 pages per-person (about 40 people).
 - We need everyone's help here. Please do your homework.
 - When each person finishes their section, provide feedback in the Google Form (will be emailed to you).
 - Each person should look for:
 - Formatting and whitespace problems, spelling errors, and other typos.
 - Logical inconsistencies in the overall document, or problems with approved changes.



At the RCM (September 13 - 15)

- Chapter Committee Chairs:
 - Chapter committee chairs "read" their chapters to have the forum confirm that all changes are correct.
 - Chapter committee chairs present a list of:
 - Unresolved issues found in implementing the approved changes
 - Technical issues found with the chapter
 - Changes made since the beginning of the RCM



At the RCM (September 13 - 15)

- MPI Forum Chair:
 - Present the compiled list of changes since the Release Candidate Document was published that have been made and will be made before completing MPI 4.1

Already Done (CC changes at RCM)

1. Fix whitespace on p. 483
2. ...

To Do (errata at FRM)

1. Fix capitalization on p. 250
2. ...

July 2023 Meeting

September (RCM)
Meeting

October (FRM)
Meeting

At the RCM (September 13 - 15)

- MPI Forum Secretary:
 - Conduct a ballot on ratifying the entire Release Candidate Draft including the two lists of changes presented earlier.
 - If this fails, do everything again for the next meeting.



At the RCM (September 13 - 15)

- MPI Forum Chair:
 - Call for nominations for new offices for the next version of the MPI Standard.
 - Chair, Secretary, Treasurer, MPI Standard Document Editor
 - Nominations should occur either during the meeting or on the MPI Forum mailing list.



September 16 - September 26

- Resolve all remaining open issues from the previous lists.
 - Work with Bill to merge any changes (**prior to errata vote** at the FRM).
- All PRs need to be posted by September 26 to give time for Bill to review and merge them.



October 3

- MPI Standard Document Editor
 - Publish a new Release Candidate Document
 - Anything that was officially voted in at the previous meeting goes into the mpi-4.x branch.
 - Anything that still needs a vote goes into the mpi-41-rc branch.
 - The mpi-41-rc branch should be based on (or merged with) the mpi-4.x branch.



October 17

- MPI Forum Chair
 - MPI Forum officer nominations close



At the FRM (October 31 - November 3)

- MPI Forum Secretary
 - Conduct a ballot for each change that happened between the RCM and FRM that **was** on the previously published list.
 - This follows “**errata**” rules and anything that fails will need to be reverted.
 - Conduct a ballot for each change that happened between the RCM and FRM that was **not** on the previously published list.
 - This follows the “**no-no**” rules and anything that fails will need to be reverted.



At the FRM (October 31 - November 3)

- MPI Forum Chair
 - Compile a list of all still-unresolved issues that could be fixed before releasing MPI 4.1.



At the FRM (October 31 - November 3)

- MPI Forum Secretary
 - If there is anything left on the chair's list, on a different date than the previous ballots, hold another ballot about whether to delay ratification.
 - If this passes, repeat the FRM at the next meeting.
 - Conduct a ballot on whether to ratify the entire document
 - If this passes, Bill publishes the final version of MPI 4.1 to the MPI Forum website.
 - If this fails, start back at the beginning of this slide deck.



At the FRM (October 31 - November 3)

- MPI Forum Secretary
 - Conduct ballots for the MPI Forum Officers
 - Following the procedures in the procedures document (i.e., continue ballots until some candidate for each office has a majority of non-abstain votes).
 - New officers begin their term and work with the old officers to transfer knowledge, state secrets, executive washroom keys, etc.

