



PMIx Standard Administrative Steering Committee (ASC) Q1 2020 Meeting

Joshua Hursey (IBM) – 2019-2021

Kathryn Mohror (LLNL) – 2020-2022

<https://github.com/pmix/pmix-standard>
<https://github.com/pmix/governance>

PMIx Administrative Steering Committee (ASC)

The open governance body for the PMIx Standard with broad representation.

- **Mission:**

- Define the mission of the PMIx Standard
- Plan release timelines for versions of the PMIx Standard
- Assemble working groups for areas of interest
- Vote on all issues (1 vote per Member organization)
- Vote on ASC leadership positions

- **Meetings:**

- Quarterly ASC meetings to vote on items that move the PMIx Standard forward.
 - One quarter per year may be face-to-face.
- Regular PMIx Standard teleconference to drive progress between quarterly meetings.
- Working Group meetings to drive specific areas of interest and need.

Agenda

<https://github.com/pmix/pmix-standard/wiki/ASC-Q1-2020-Meeting>

- Co-Chairs
 - Ralph Castain, Intel (2018-2020) (even year)
 - Joshua Hursey, IBM (2019-2021) (odd year)
 - Kathryn Mohror, LLNL (2020-2022) (even year)
- Secretaries
 - Stephen Herbein, LLNL (2019-2021) (odd year)
 - Thomas Naughton, ORNL (2020-2022) (even year)
- Release Manager for PMIx v4
 - Ralph Castain (Intel) & Joshua Hursey (IBM)
- Release Managers for PMIx v5
 - Ken Raffenetti (ANL) & David Solt (IBM)

ASC 2020 Quarterly Meetings

- Q1: Thurs., Jan. 23, 2020 (virtual)
- Q2: Wed., April 15, 2020 (virtual)
- Q3: Wed. July 22, 2020 (virtual)
- Q4: Thurs., Oct. 1, 2020 (face-to-face)
 - TACC in Austin, TX – Co-located with the MPI Forum
 - Voting on open governance positions

PMIx Outreach in 2020

- Supercomputing 2020
 - Birds of a Feather
- Other venues?

PMIx 4.0 Release Timeline

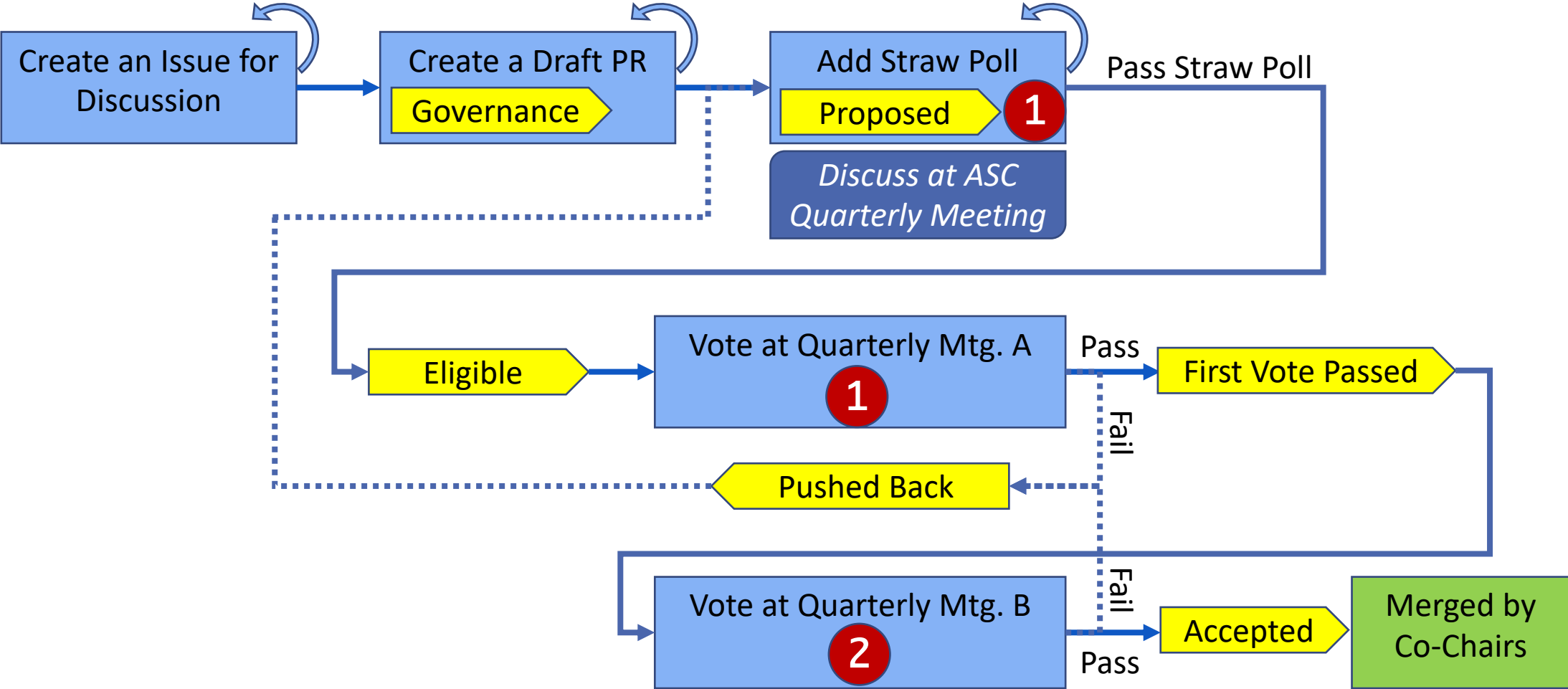
- **Release Timeline:** Late Q1 2020
 - Waiting on descriptive text around tool interactions.
- **Scope of expected changes:**
 - Attribute queries
 - Process groups/sets
 - Network coordinates/topology
 - Extended tool/debugger support
 - Scheduler access to network fabric information
 - Python bindings

ASC Members

- Call for new ASC Members
 - **Participant**: Informal, non-voting individual
 - **Member**: Formal, voting organization or individual
 - Must attend 2 quarterly meetings in last 12 months
 - Membership status must be requested (or nominated) and voted on in a quarterly meeting.
 - Only one vote per Member organization. Must designate a Representative with voting authority.
- Roll call for attendance & voting

Modifying the PMIx ASC Governance Document

Vote in Two Consecutive Quarterly Meetings



Governance PRs for Vote

- Reading and First Vote
 - <https://github.com/pmix/governance/pull/10>
- Second Vote:
 - <https://github.com/pmix/governance/pull/4>
 - <https://github.com/pmix/governance/pull/7>

PMIx Standard – Formal Reading

- Chapter 1 Modifications
 - <https://github.com/pmix/pmix-standard/pull/192>

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~~Return at 1:30 pm (Central)~~

Return at 1:45 pm (Central)

Plenary Sessions

- ASC Governance PR: Quarterly meeting agenda finalization
 - <https://github.com/pmix/governance/pull/11>
- Use case presentations:
 - Business Card Exchange
 - Tools and Debuggers
 - Hybrid Programming Models

Working Group Updates

- Dynamic Workflows
 - Jai Dayal (Intel)
- Client Separation / Implementation Agnostic Document
 - David Solt (IBM)
- Storage
 - Shane Snyder (Argonne Nat. Lab.)
- Slicing/Grouping of Functionality
 - Stephen Herbein (LLNL)

Open Call for New Working Groups

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~~Return at 3:45 pm (Central)~~

Return at 3:50 pm (Central)

Technical Presentations

- PMIx_Get optimizations
 - Artem Polyakov (Mellanox)
- Runtime level failure detection and propagation
 - Aurelien Bouteiller (UTK)
- On-node resource manager for containerized HPC workloads
 - Geoffroy Vallee



Open Discussion



Thank you for participating today!

Next ASC Monthly Teleconf:

Fri., Feb. 14, 2020

Next ASC Quarterly Meeting:

Wed., April 15, 2020