



PMIx Standard Administrative Steering Committee (ASC) Q3 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-Q3-2020-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 (virtual)
 - Voting on open governance positions
 - Decide on 2021 meeting dates for Q1 and Q2

Doodle Poll for 2021 Meetings

<https://doodle.com/poll/uckuxpumgyhdekt3>

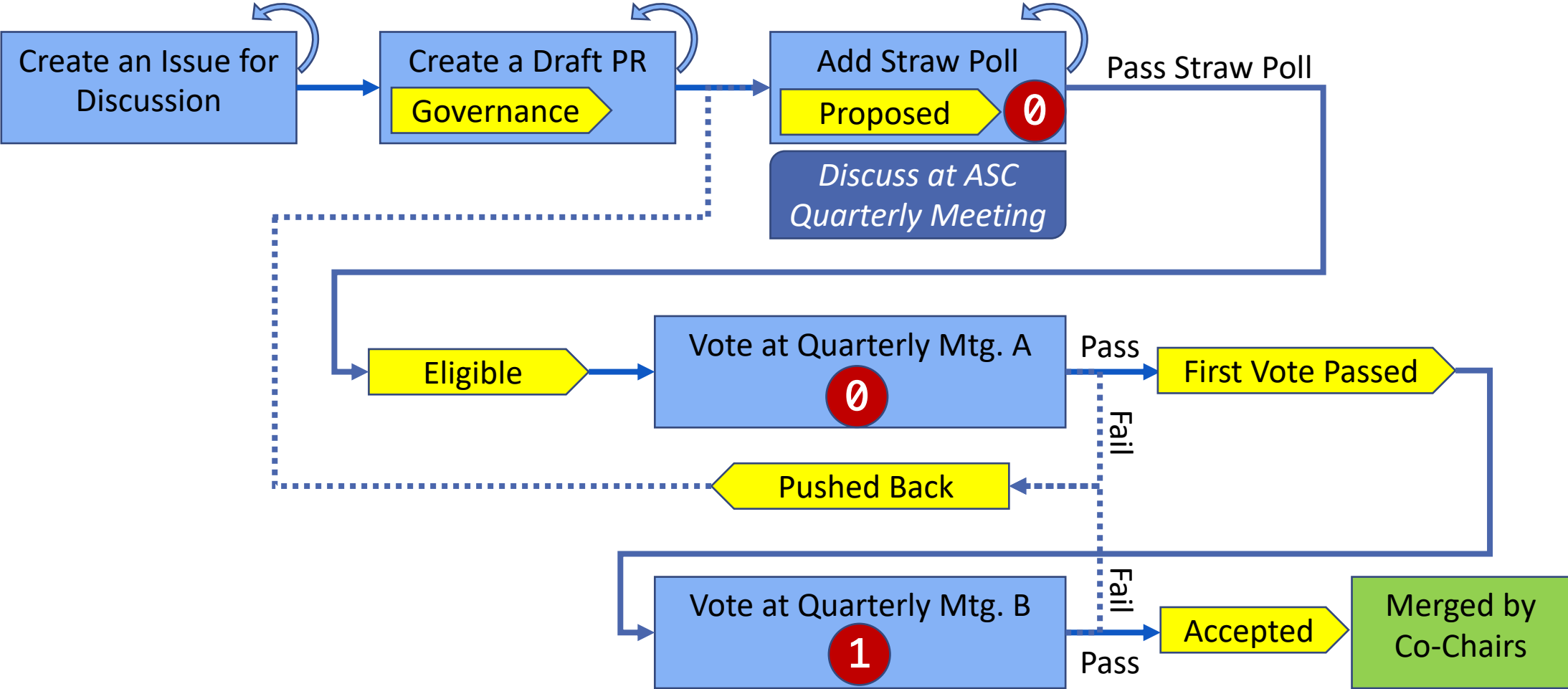
Due Sept. 29, 2020

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

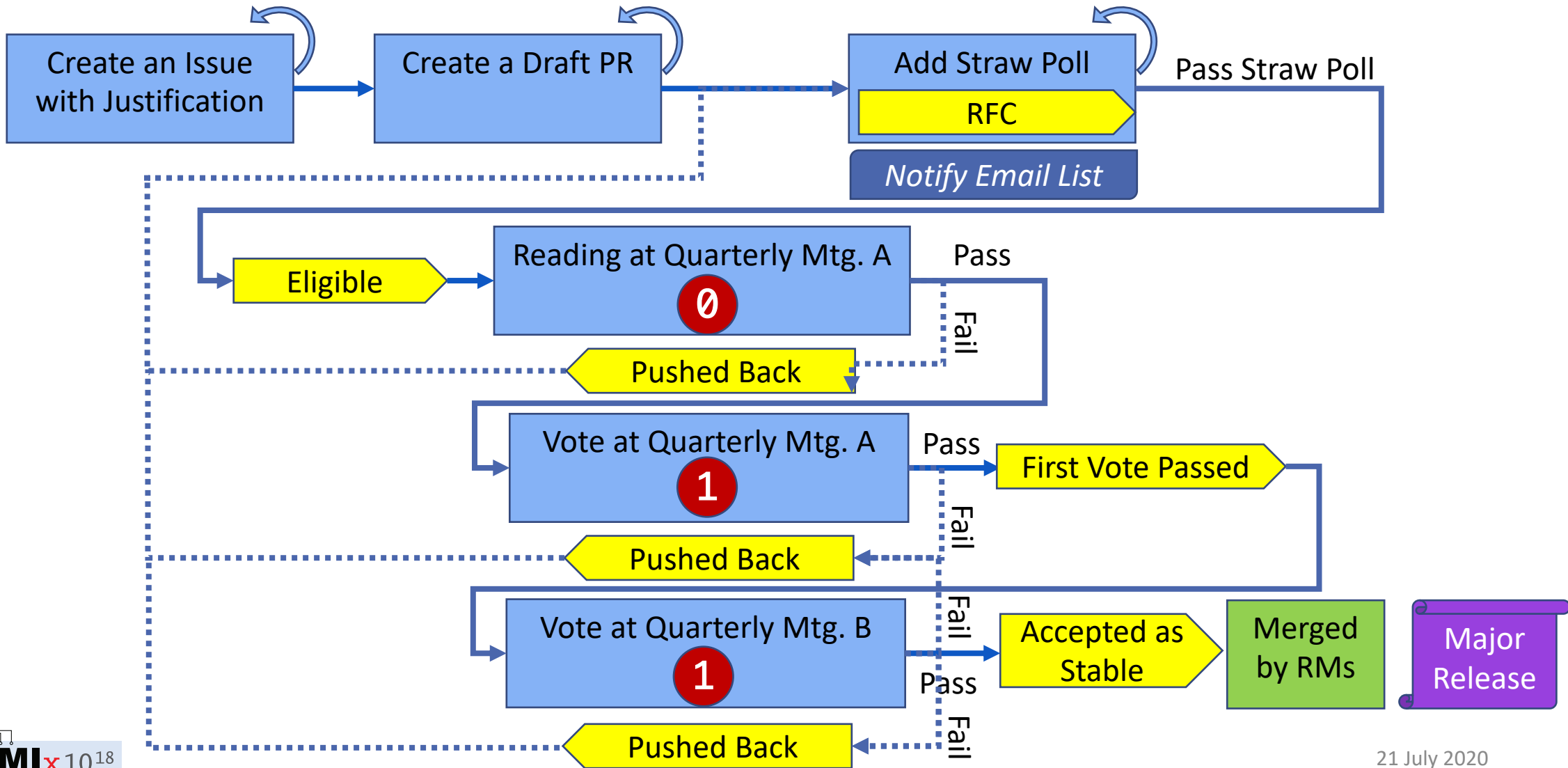


Governance PRs for Vote

- Reading and First Vote
 - (None)
- Second Vote:
 - <https://github.com/pmix/governance/pull/11>
 - Doodle: <https://doodle.com/poll/apgnuykk45hsehc2>

PMIx Standard: Suggested process for large text changes

Formal Reading then Vote in Two Consecutive Quarterly Meetings



PMIx Standard

- Reading and First Vote
 - Chapter 2 Modifications
 - <https://github.com/pmix/pmix-standard/pull/235>
 - Doodle: <https://doodle.com/poll/awk7f9nug54efy7h>
- Second Vote:
 - Chapter 1 Modifications
 - <https://github.com/pmix/pmix-standard/pull/192>
 - Doodle: <https://doodle.com/poll/x77y8qpbkk7cdke6>

PMIx 4.0 Release Timeline

- **Release Timeline:** August 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
- **Discussion Question:**
 - Can we pull in the Ch. 1 changes (PR #192)?
 - Can we pull in the Ch. 2 changes (PR #235)?



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Return at 1:00 pm (Central)

Plenary Sessions

- Storage Working Group

Working Group Updates

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

Open Call for New Working Groups



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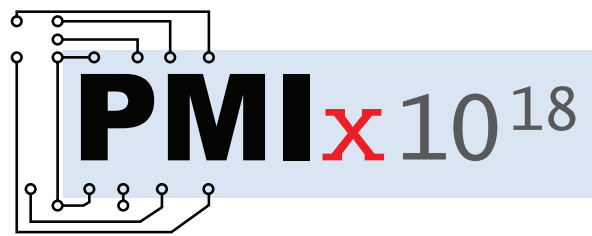
~~Return at 3:15 pm (Central)~~

Return at 3:00 pm (Central)

- **Key-Value Exchange Modes: Put/Commit/Fence/Get Semantics**
 - Josh Hursey (IBM), David Solt (IBM)
- **PMIx unit testing infrastructure**
 - Artem Y. Polyakov (Mellanox/Nvidia), Boris Karasev (Mellanox/Nvidia), Howard Pritchard (LANL), Charles Shereda (LANL)
- **TaskWorks: An HPC friendly task engine**
 - Kaiyuan Hou (Northwestern U.), Quincey Koziol (LBNL), Suren Byna (LBNL)



Open Discussion



Thank you for participating today!

Next ASC Monthly Teleconf:

Fri., Aug. 14, 2020

Next ASC Quarterly Meeting:

Thurs., Oct. 1, 2020