



# PMIx Standard Administrative Steering Committee (ASC) 1Q 2021 Meeting (Day 1)

Kathryn Mohror (LLNL) – 2020-2022

Joshua Hursey (IBM) – 2021-2023

<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-Q1-2021-Meeting>

- Co-Chairs
  - Kathryn Mohror, LLNL (2020-2022) (even year)
  - Joshua Hursey, IBM (2021-2023) (odd year)
- Secretaries
  - Thomas Naughton, ORNL (2020-2022) (even year)
  - Aurelien Bouteiller, UTK (2021-2023) (odd year)
- Release Managers for PMIx v4
  - Ralph Castain (*self*) & Joshua Hursey (IBM)
- Release Managers for PMIx v5
  - Ken Raffenetti (ANL) & David Solt (IBM)

# ASC 2021 Quarterly Meetings

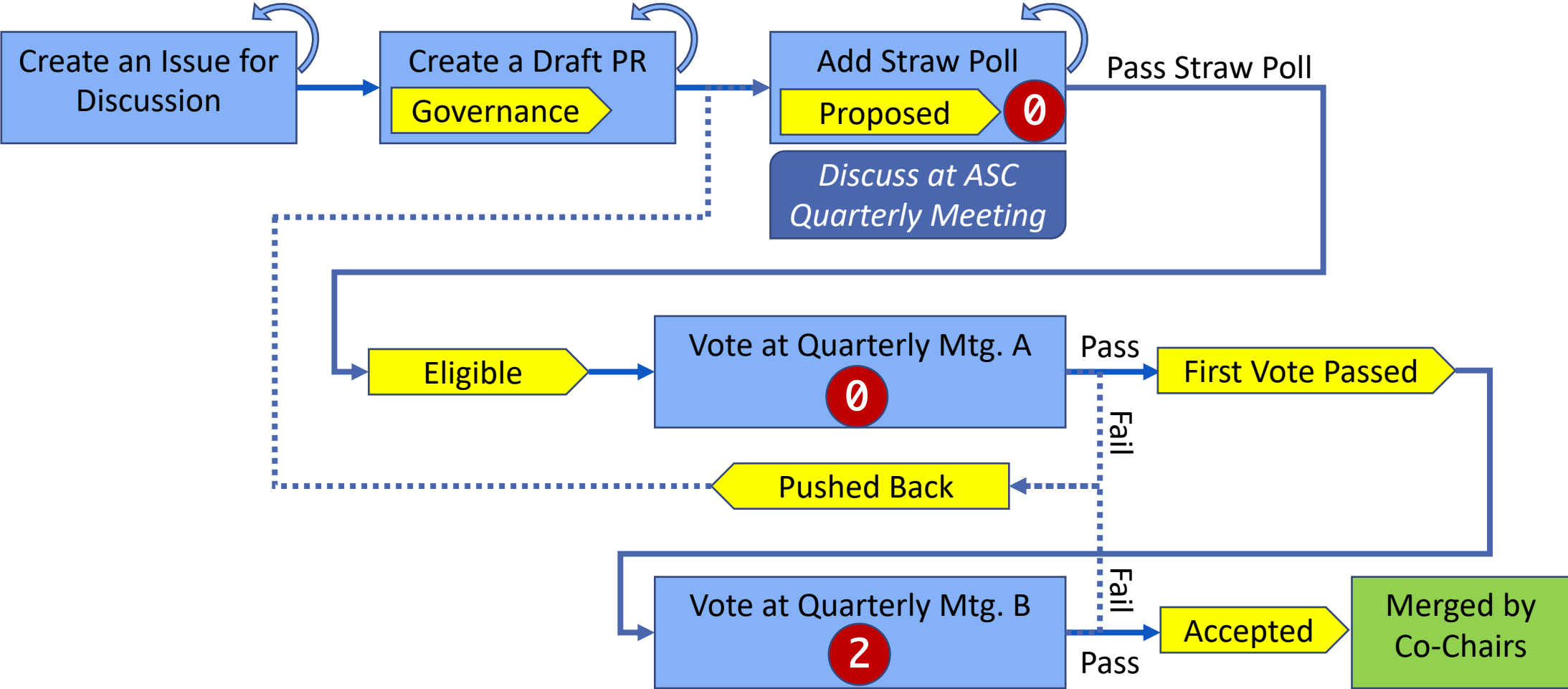
- Q1: Virtual meeting (10 am - 1 pm US Central)
  - Tues., Feb. 16 & Thurs., Feb. 18
- Q2: Virtual meeting (10 am - 1 pm US Central)
  - Tues., May 11 & Thurs., May 13
- Q3: Virtual meeting (10 am - 1 pm US Central)
  - Tues., July 20 & Thurs., July 22
- Q4: Possible face-to-face (10 am - 1 pm US Central) (*tentative*)
  - Tues., Oct. 26 & Thurs., Oct. 28

# 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

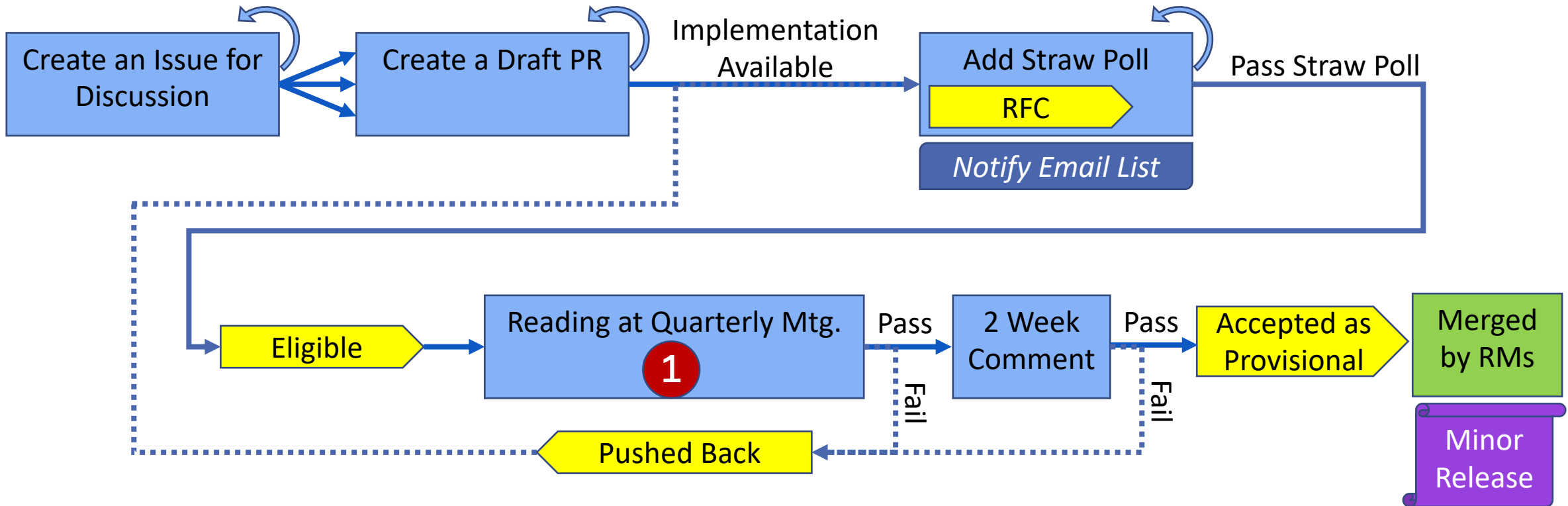
- Second Vote

- (Kathryn) Clarification of timeline for quarterly meeting items
  - <https://github.com/pmix/governance/pull/17>
  - Example:
- (Kathryn) Introduce Revision Exception vote
  - <https://github.com/pmix/governance/pull/18>

- Voting link: <https://doodle.com/poll/unr6p5i5g9rxqzum>

- Yes      Green Checkbox
- Abstain   Yellow Checkbox ("if need be")
- No      Empty

# PMIx Standard: Provisional Items



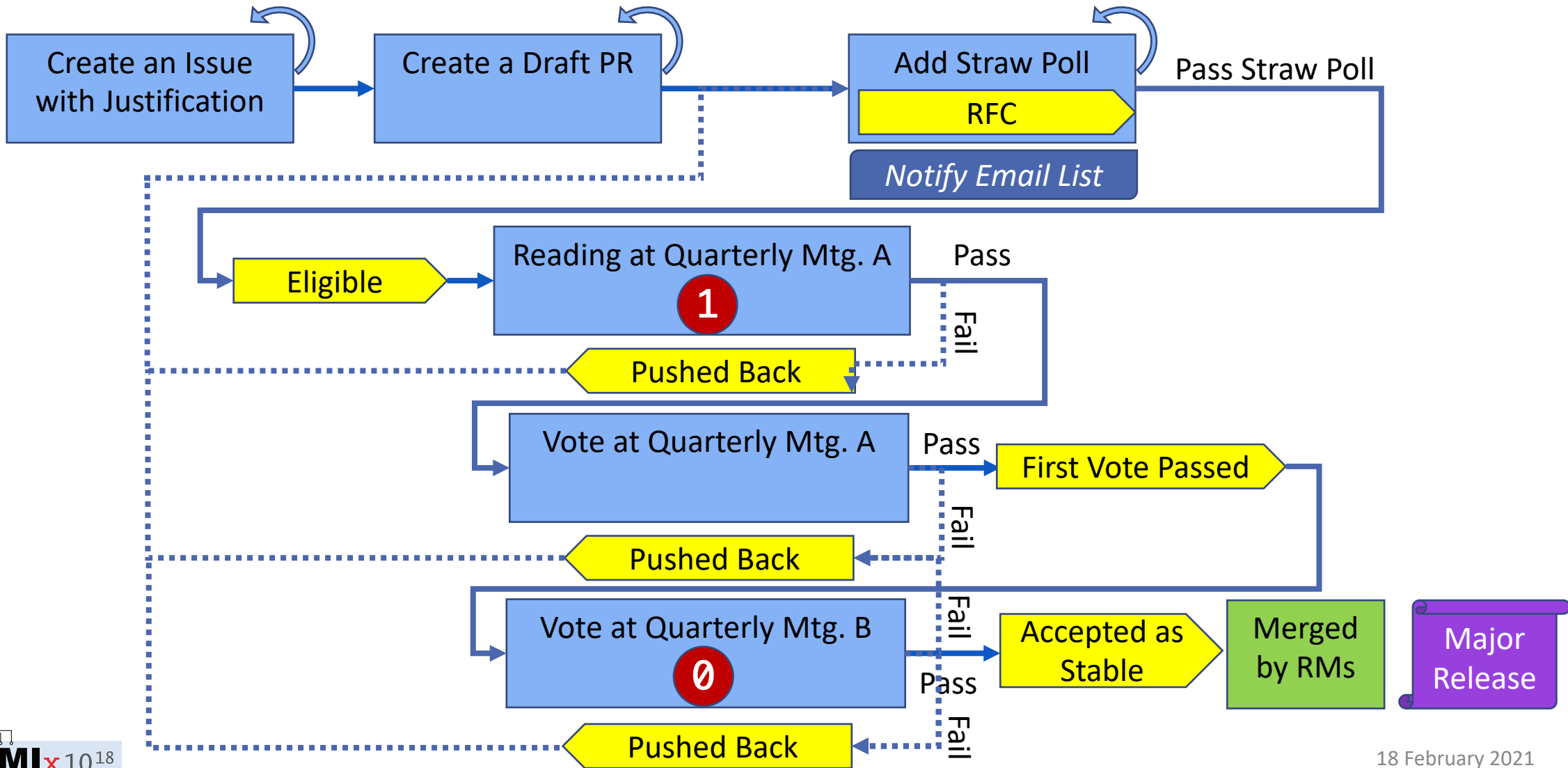


# PMIx Standard: Provisional Items

- Reading
  - (Shane) Storage system query support
    - <https://github.com/pmix/pmix-standard/pull/280>
- No vote required.
  - Can be pushed back if there is a voiced objection to the issue.
  - If no objection, then a 2-week open discussion period starts after which RMs may merge.

# PMIx Standard: Suggested process for large text changes

## Formal Reading then Vote in Two Consecutive Quarterly Meetings



# PMIx Standard: Large text change items

- Reading

- (Stephen) Add appendix with use case descriptions
  - <https://github.com/pmix/pmix-standard/pull/328>

- Voting link: <https://doodle.com/poll/x3wztdfxvnna4n9c>

- Yes      Green Checkbox
- Abstain   Yellow Checkbox ("if need be")
- No      Empty



# Announce Voting Results

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# Voting Results

- Governance
  - Clarification of timeline for quarterly meeting items (**Passed: 9 yes / 0 no / 0 abstain**)
    - <https://github.com/pmix/governance/pull/17>
  - Introduce Revision Exception vote (**Passed: 9 yes / 0 no / 0 abstain**)
    - <https://github.com/pmix/governance/pull/18>
- Standard: Provisional Reading & Vote (*Voting pushed to Thursday*)
  - Storage system query support
    - <https://github.com/pmix/pmix-standard/pull/280>
- Standard: Large text changes
  - Add appendix with use case descriptions
    - <https://github.com/pmix/pmix-standard/pull/328>

# PMIx 4.0 Release Timeline

- **Release Timeline:** December 2020
  - <https://github.com/pmix/pmix-standard/releases/tag/v4.0>
- **Scope of expected changes:**
  - Attribute queries
  - Process groups/sets
  - Network coordinates/topology
  - Extended tool/debugger support
  - Scheduler access to network fabric information
  - Python bindings

# PMIx 4.1 Release Timeline

- **Release Timeline:** Spring 2021
  - <https://github.com/pmix/pmix-standard/milestone/8>
- **Scope of expected changes:**
  - Errata Items
  - Provisional Items

# PMIx 5.0 Release Timeline

- **Release Timeline:** 4Q 2021 / 1Q 2022
  - <https://github.com/pmix/pmix-standard/milestone/6>
- **Scope of expected changes:**
  - Large text changes
  - Use cases
  - Provisional items that were elevated to Stable





# Open Discussion



Thank you for participating today!

**Resume the ASC Quarterly Meeting:**

Thurs., Feb. 18, 2021 from 10 am - 1 pm US Central



# PMIx Standard Administrative Steering Committee (ASC) 1Q 2021 Meeting (Day 2)

Kathryn Mohror (LLNL) – 2020-2022

Joshua Hursey (IBM) – 2021-2023

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

# PMIx Standard: Provisional Items

- Reading
  - (Shane) Storage system query support
    - <https://github.com/pmix/pmix-standard/pull/280>
- Revision Exception Vote link: <https://doodle.com/poll/x3wztdfxvnna4n9c>
  - Yes      Green Checkbox
  - Abstain   Yellow Checkbox ("if need be")
  - No      Empty
- No vote required (after revision exception).
  - Can be pushed back if there is a voiced objection to the issue.
  - If no objection, then a 2-week open discussion period starts after which RMs may merge.

# PMIx Standard: Large text change items

- Reading

- (Stephen) Add appendix with use case descriptions
  - <https://github.com/pmix/pmix-standard/pull/328>

- Voting link: <https://doodle.com/poll/x3wztdfxvnna4n9c>

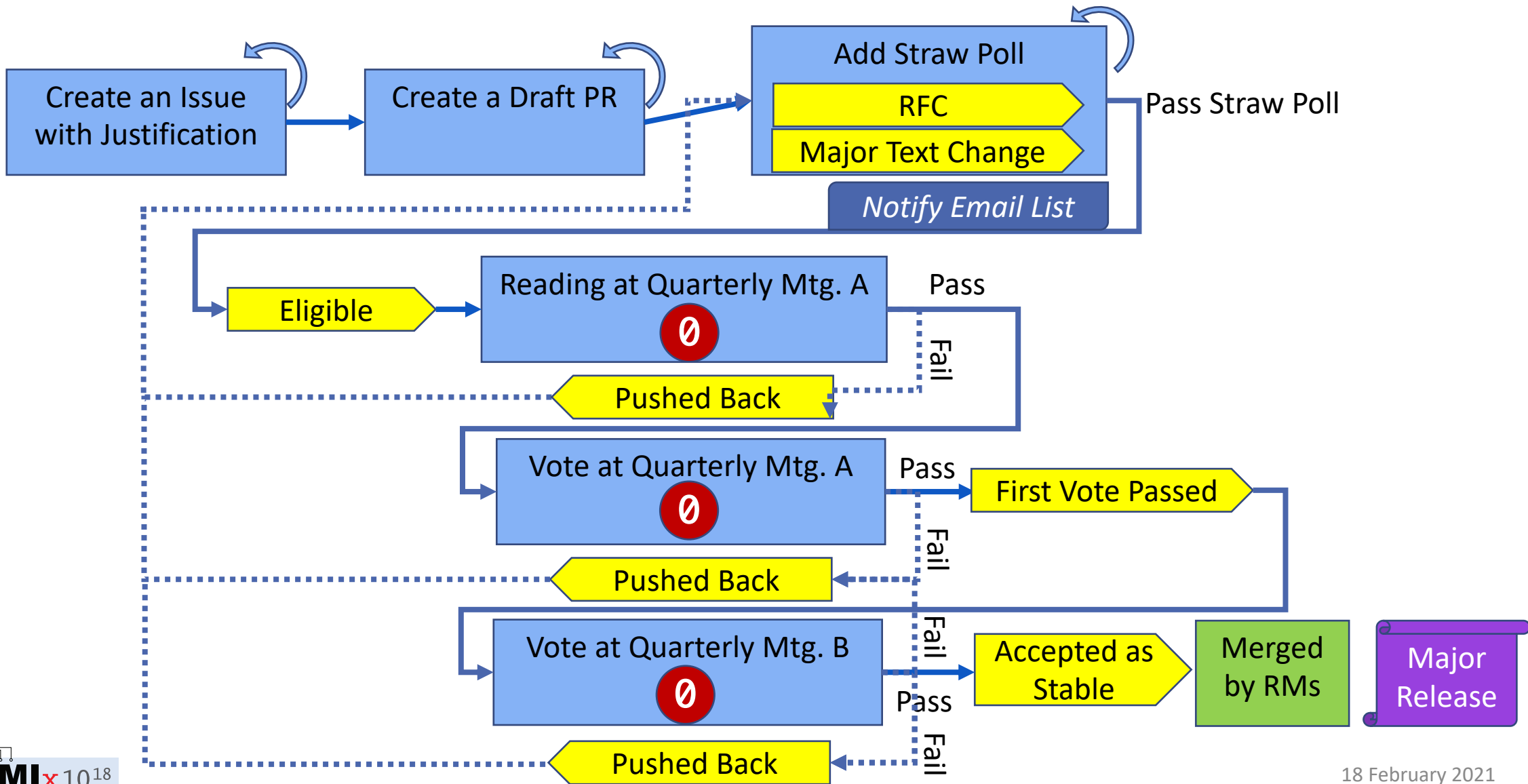
- Yes      Green Checkbox
- Abstain   Yellow Checkbox ("if need be")
- No      Empty

# Plenary: Governance Items

- Governance
  - (Josh) Major descriptive text changes process
    - <https://github.com/pmix/governance/issues/21>
  - (Josh) Errata changes process
    - <https://github.com/pmix/governance/issues/20>

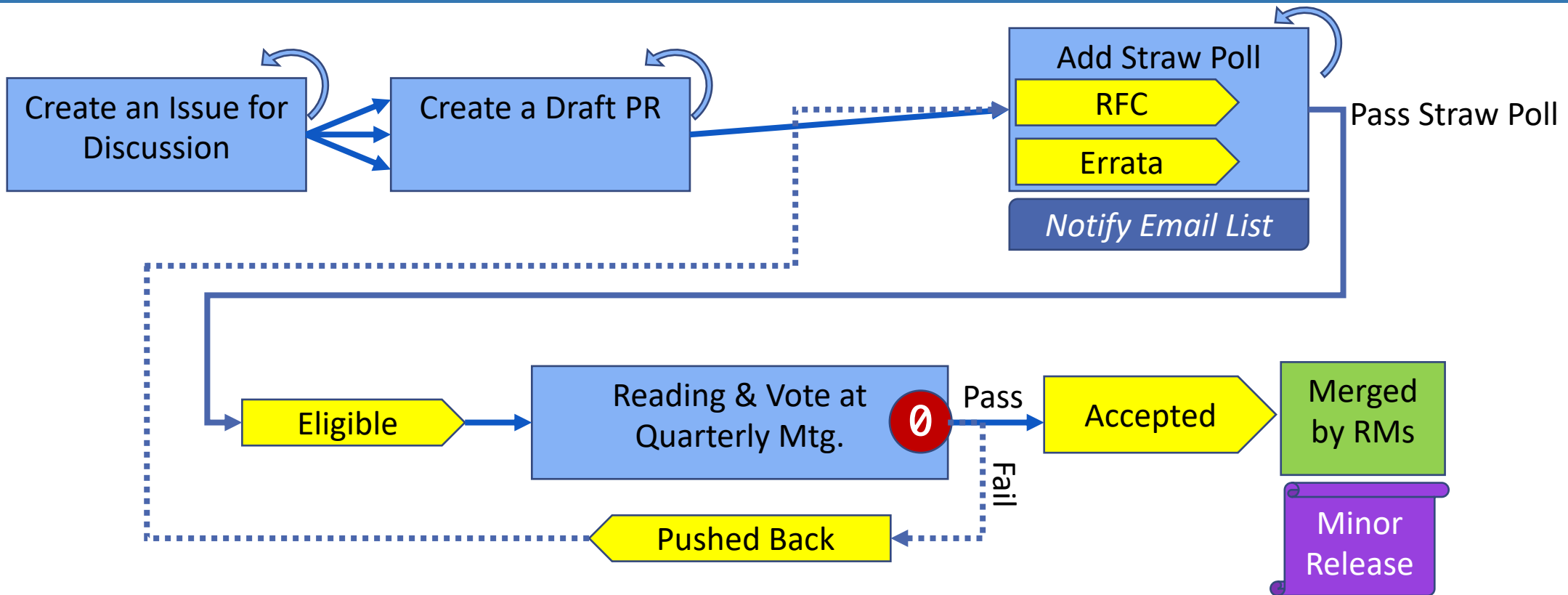
# PMIx Standard: Major Descriptive Text Changes

<https://github.com/pmix/governance/issues/21>



# PMIx Standard: Errata Items

<https://github.com/pmix/governance/issues/20>





# Plenary: Standard Items

- PMIx Standard

- (Ralph) Remove stale language
  - <https://github.com/pmix/pmix-standard/pull/325>
- (Ralph) Add a few simple, but helpful macros
  - <https://github.com/pmix/pmix-standard/pull/331>
- (Ralph) Add two missing data management functions
  - <https://github.com/pmix/pmix-standard/pull/332>
- (Ralph) Add a data type constant for pmix\_nspace\_t
  - <https://github.com/pmix/pmix-standard/pull/334>
- (Ralph) Provide access to resource usage for process and nodes
  - <https://github.com/pmix/pmix-standard/pull/335>
- ~~(Ralph) Three envvars to support HWLOC shmем connections~~
  - ~~<https://github.com/pmix/pmix-standard/pull/333>~~



<break>

Return at 11:45 am (Central)



# Announce Voting Results

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# Voting Results

- Governance

- Clarification of timeline for quarterly meeting items (**Passed: 9 yes / 0 no / 0 abstain**)
  - <https://github.com/pmix/governance/pull/17>
- Introduce Revision Exception vote (**Passed: 9 yes / 0 no / 0 abstain**)
  - <https://github.com/pmix/governance/pull/18>

- Standard: Provisional Reading & Vote (*Voting pushed to Thursday*)

- Storage system query support (**Passed: 10 yes / 0 no / 2 abstain**)
  - <https://github.com/pmix/pmix-standard/pull/280>

- Standard: Large text changes

- Add appendix with use case descriptions (**Passed: 11 yes / 0 no / 1 abstain**)
  - <https://github.com/pmix/pmix-standard/pull/328>

# Plenary: Standard Items

- PMIx Standard
  - (Dave) Rules for non-standardized keys

# Working Group Updates

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

**Open Call for New Working Groups**



# Open Discussion



Thank you for participating today!

**Next ASC Monthly Teleconf:**

Thurs., March 11, 2021

**Next ASC Quarterly Meeting:**

Tues., May 11 & Thurs., May 13