Manual 38, Revision 21
Operations Planning

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Disclaimer: While materials are current at the time of publishing, applicable requirements may change. PJM Governing Documents control.

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Overview of Changes

- Periodic cover to cover review.
- Section 2.2.1 - Added reference to Attachment C.
- Attachment C: New attachment for Outage Coordination Guideline

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Purpose – Attachment C

- Reserve margins are shrinking.
- Major system upgrades (reconductoring, transformer replacement, EHV station construction) are increasing RTEP outages.
- Necessary maintenance on transmission and generation equipment is harder to schedule, and it is required for reliability.
- These guidelines set out best practices for efficient coordination and timely upgrades.

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Transmission Outage Guidelines

Sections:

- Notification
- Coordination
- Flexibility
- Scheduling
- Recall
- Equipment
- Hotline Work
- Switching

Guideline Examples:

- *Transmission Owners should, at a minimum, submit outages to meet the on-time and notification rules as outlined in M-03, Section 4.2. Every effort should be made to submit outages further in advance to allow for enhanced coordination.*
- *For higher impact outages, outage work should be sequenced to maximize recall availability.*
- *For higher impact outages, Transmission Owners should evaluate scheduling additional crews to minimize outage duration.*
- *Facilities should be returned to service when crews are not actively working on the facility.*

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Generation Outage Guidelines

Sections:

- Notification
- Coordination
- Flexibility
- Scheduling
- Equipment

Guideline Examples:

- *Generation Owners should provide advance notification to allow PJM ample time to perform long-term outage analysis and coordinate work with both Transmission and Generation Owners. Every effort should be made to submit generation outages as far in advance as possible (ideally three years out) in order to enhance coordination.*
- *Due to the increased volume of critical transmission outages that are required, generation outages should be coordinated with transmission maintenance so that generation is not bottled and congestion can be mitigated to maintain reliability.*
- *Sufficient parts inventory should be maintained to minimize delays in outage return.*

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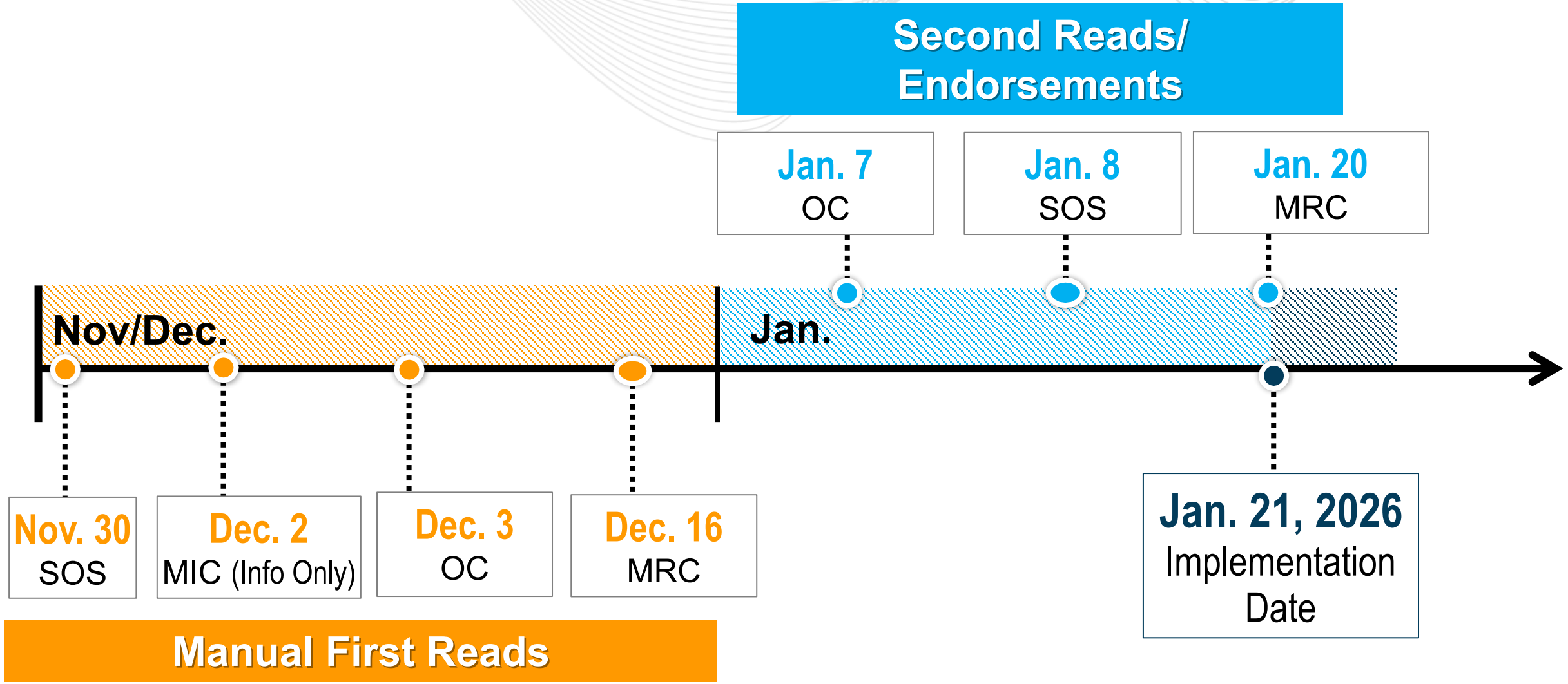
Review/Approval Timeline



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Manual-38, Rev 21 – Periodic Review



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