M03A – Annual Review

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Power System Modeling Department
System Operations Subcommittee
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Updates for M03a

- Flow Device Language Clarification
- Tie-Line Link Update (error)
- Monitoring Priorities Clarifications/Default New Equipment
- Model Management Department to Power Systems Modeling

Updated Tie Line Link

Section 4.4

- Old Text: Tie Line information should be posted by TO staffs by completing the form at the PJM web site: http://www.pjm.com/about-pjm/member-services/member-forms/tie-lines.aspx.

- New link: https://www.pjm.com/about-pjm/member-services/tie-lines

Section 2.2 Flow Device Language

- A flow device in the PJM EMS model is a representation of a flow disrupting element (i.e., circuit breaker, disconnect, air break, or similar elements) that has been set up to calculate a SE flow across it and thermal ratings are also applied to that flow device, similar to a line or transformer. Monitoring of a Flow Device is only performed if the flow across is deterministic. For example, breakers in a closed in ring bus are not monitored since the flow is not deterministic. The flow device must be able to calculate net if gross output is available, or calculate gross output if net is available.

Monitored Priorities

During our annual review we saw an opportunity for clarification and increased efficiency for new equipment:

- This would allow us the following:
  - Avoid delays in energizing new equipment (cut-ins)
  - Provide a starting point for new equipment default
  - Provide clarity for monitored priority names & definitions
  - Document MP exceptions
- Annual MP Process does not change
- Only applies to “new” equipment (cut-in process)

Clarification of Names

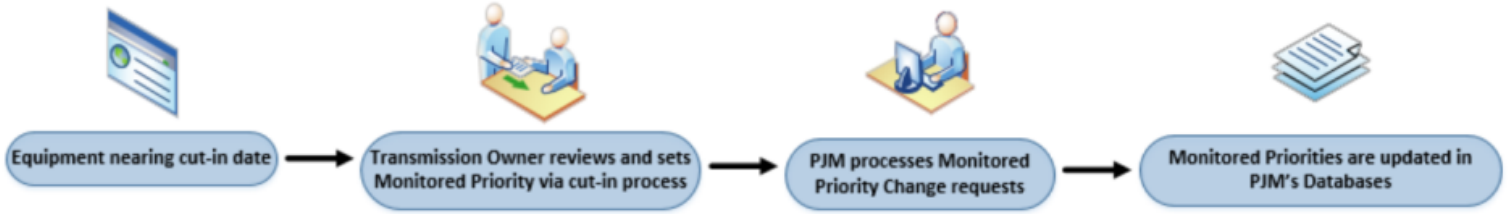
Manual Revision:
(Appendix C Exhibit 14)

- External “MP4” to External Reliability “MP4”
- GSU “MP7” to Generation Equipment “MP7”
- Future “MP8” to Pending “MP8”

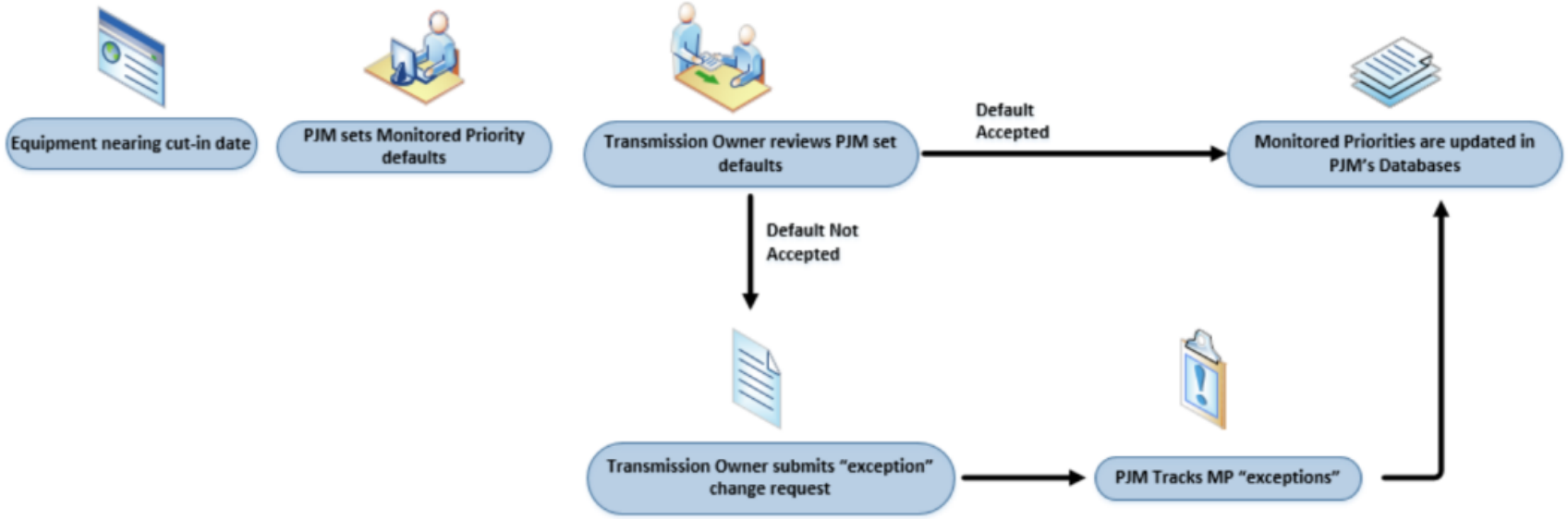
Monitoring Priority	Name	New Name
0	Not Monitored	Not Monitored
1	Reliability & Markets	Reliability & Markets
2	Reliability BES	Reliability BES
3	Status Only	Status Only
4	External	External Reliability
5	External Status Only	External Status Only
6	Reliability Non-BES	Reliability Non-BES
7	GSU	Generation Equipment
8	Future	Pending

Cut-In Process Current vs. Planned

CURRENT PROCESS:

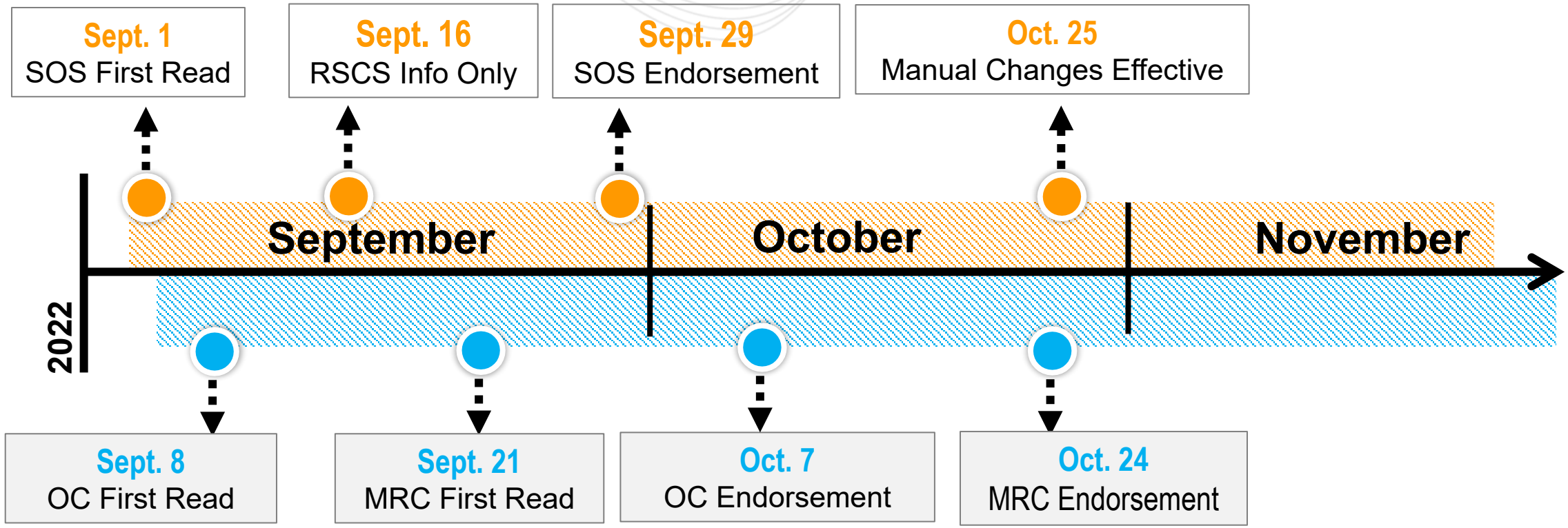


PROPOSED PROCESS:



Model Management to Power Systems Modeling

- Updating Model Management to Power Systems Modeling and/or MMD to PSM
- Aligning correct point of contact for submissions to PJM


Sept. 1
SOS First Read
Sept. 16
RSCS Info Only
Sept. 29
SOS Endorsement
Oct. 25
Manual Changes Effective
September
October
November
2022
Sept. 8
OC First Read
Sept. 21
MRC First Read
Oct. 7
OC Endorsement
Oct. 24
MRC Endorsement

Contact

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