



Annual Review

Energy Management System (EMS) Model Updates and Quality Assurance (QA)

Manual 03A

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Annual review of manual, non-substantive changes only
clarifications and fixing errata

- (Section 2.2) Flow Device Language Clarification
- (Section 4.4) Tie-Line Link Update (error)
- (Appendix C) Monitoring Priorities Clarifications
- (Various Sections) Model Management Department to Power Systems Modeling
- Overall readability and grammar corrections

- 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.

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>

During our annual review we saw an opportunity for clarification (names)

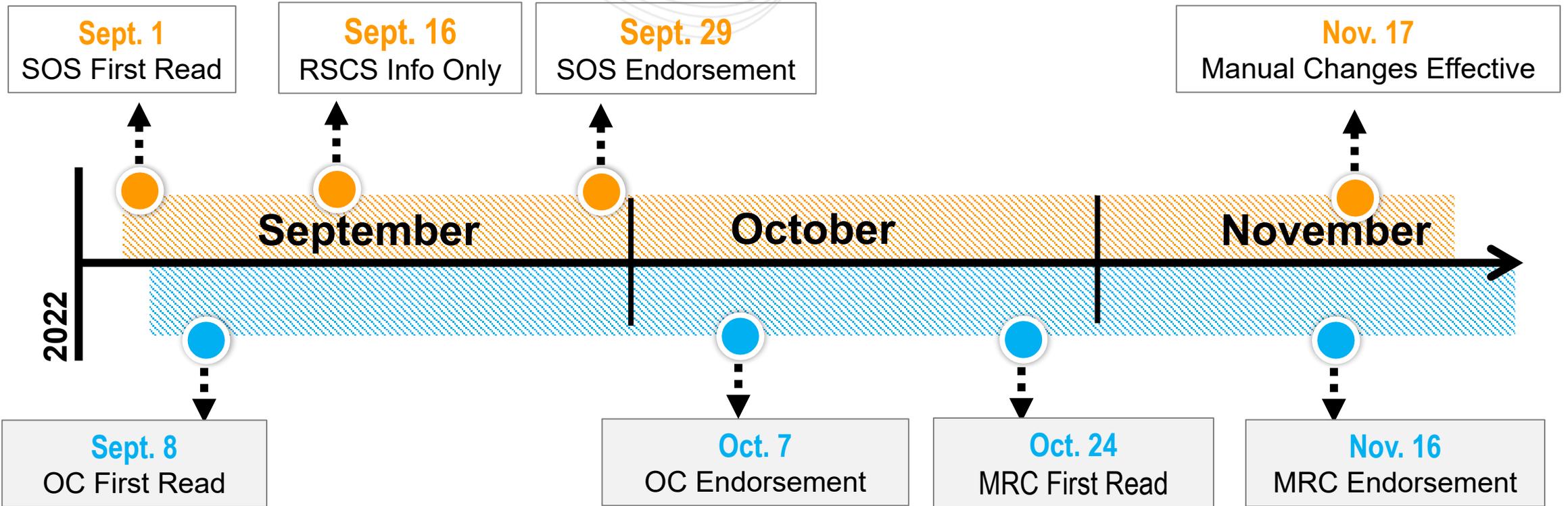
- Definitions don't change
- Name changes for clarification
 - Not Monitored, No Status → Not Monitored-No Status
 - Reliability & Markets → Reliability and Markets
 - External → External Reliability
 - GSU → Generation Equipment
 - Future → Pending
- Annual MP Process does not change

Manual Revision:
(Appendix C Exhibit 14)

- Not Monitored, No Status to Not Monitored-No Status
- Reliability & Markets to Reliability and Markets
- External to External Reliability
- GSU to Generation Equipment
- Future to Pending

Monitoring Priority	Name	New Name
0	Not Monitored, No Status	Not Monitored-No Status
1	Reliability & Markets	Reliability and 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

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



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