



Manual 03A, Rev. 20

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

Eliseo Carrasco, Engineer II
Power System Modeling Department
System Operations Subcommittee
June 12, 2021

- Periodic Review
- Compliance Reliance ACA Update
 - Updated Section 2.2 to clarify instructions for a Transmission Owner to add, remove, and/or convert a flow device and submit the associated ratings.

Manual 03A: Energy Management System Model Updates and Quality Assurance, [Revision 20](#)

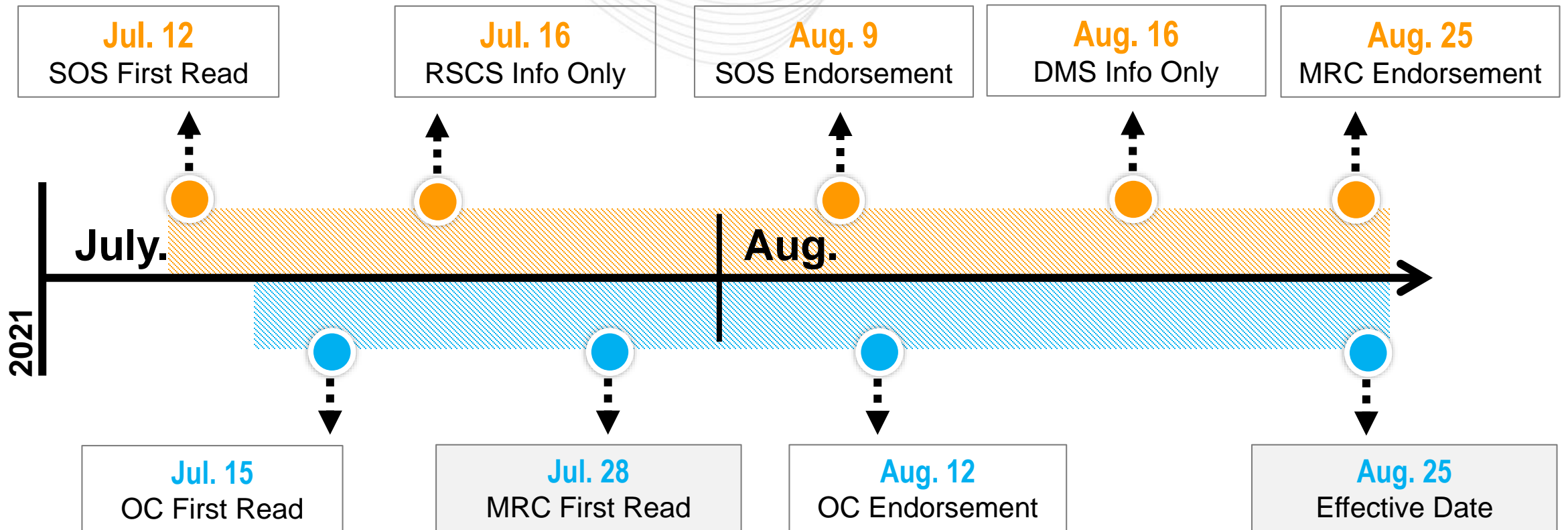
2.2 Model Information and Data Requirements

Flow ~~Circuit Breakers (Flow CB)~~ Devices

A flow ~~breaker 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 State Estimator~~ flow across it and ~~a~~ thermal ratings ~~are~~ also applied to that ~~flow device breaker~~, similar to a line or transformer. The ~~f~~Flow ~~device CB~~ must be able to calculate net if gross output is available, or calculate gross output if net is available.

To change an existing PJM-modeled element circuit breaker to aa fFlow device CB, TOs must submit a Network Model ticket via <https://esuite.pjm.com/mui/> as part of the Model Build process. The ticket must clearly state if an element CB is being changed to a fFlow device CB, or if it is a brand new flow device CB. TOs must then provide the Flow CB equipment ratings via the shall be provided in TERM application through a similar process to line and transformer ratings updates.

Manual 03A, Rev 20 Review / Approval Timeline



Facilitator:
Rebecca Carroll,
Rebecca.Carroll@pjm.com

Secretary:
Paul Dajewski,
Paul.Dajewski@pjm.com

SME/Presenter:
Eliseo Carrasco,
Eliseo.Carrasco@pjm.com

Manual 03A, Rev 20



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com