



# Manual 14-D

## Generator Operational Requirements

### Revision 46

Vince Stefanowicz  
Sr. Lead Engineer, Generation  
PJM Committees  
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Action Required	Deadline	Who is Affected
<ul style="list-style-type: none"> <li>• New Process</li> <li>• Transmission Owners verify/submit voltage schedule via eDART</li> <li>• Generation Owners review voltage schedules</li> <li>• eDART contact acknowledges voltage schedule in eDART</li> <li>• New annual review requirement</li> </ul>	<p>1/1/2019</p>	<ul style="list-style-type: none"> <li>• Transmission Owners</li> <li>• Generation Owners</li> <li>• eDART Contacts</li> </ul>

## TO

### Specify

TO-Specified or PJM Default Voltage Schedule

Specify Voltage Schedule Type: Voltage, Power Factor, or Reactive Power

Provide Target Voltage Schedule & Tolerance Band

Attach Voltage Schedule Letters (Optional)

Submit Exemption Requests

## PJM

### Review

Maintain List of Applicable Units (M-03 Sect. 3.11)

Review and Acknowledge Voltage Schedules

Coordinate adjacent TO/External Voltage Schedules

Approve Exemption Requests

Initiate Annual Voltage Schedule Reviews

## GO

### Acknowledge

Acknowledge Voltage Schedules

Provide feedback on Voltage Schedule through GO Comments

- Replaced **Generator** Owner and **Generator** Operator with **Generation** Owner throughout
  - Clarified distinction between NERC-defined terms Generator Owner and Generation Owner
- Section 2.1 – **Generation** Owners' Responsibilities
  - Renamed Section 2.1
  - Clarified requirement to have a single point of contact for real-time and near real-time operations
- Section 5.7.2.10 - PJM Tools
  - Clarified the requirement to update the eDART Contact Survey for all new and transferred units.

- Section 7.3 - Critical Information and Reporting Requirements
  - Added clarification for situations requiring verbal notification to PJM Dispatch.
- Attachment “E” PJM Generator and Synchronous Condenser Reactive Capability Testing
  - Added reference to Manual 1 regarding telemetry requirements
  - Added clarification on test evaluation for units testing above or below stated limits
- Attachment “M” Wind Unit Dispatchability Check List
  - Added clarification on frequency for updating Eco Max limits

- Periodic cover to cover review
- Grammatical changes throughout
- Introduction
  - Added reference to PJM Reliability Assurance Agreement (RAA)
- Section 1.1 - Generator Markets and Operations
  - Remove outdated reference to Attachment G
  - Change reference to Resource Adequacy Planning group to Capacity Market Operations
- Section 2.1 – Generation Owner Responsibilities
  - Removed reference to PJM West RAA
  - Removed itemized listing of tasks

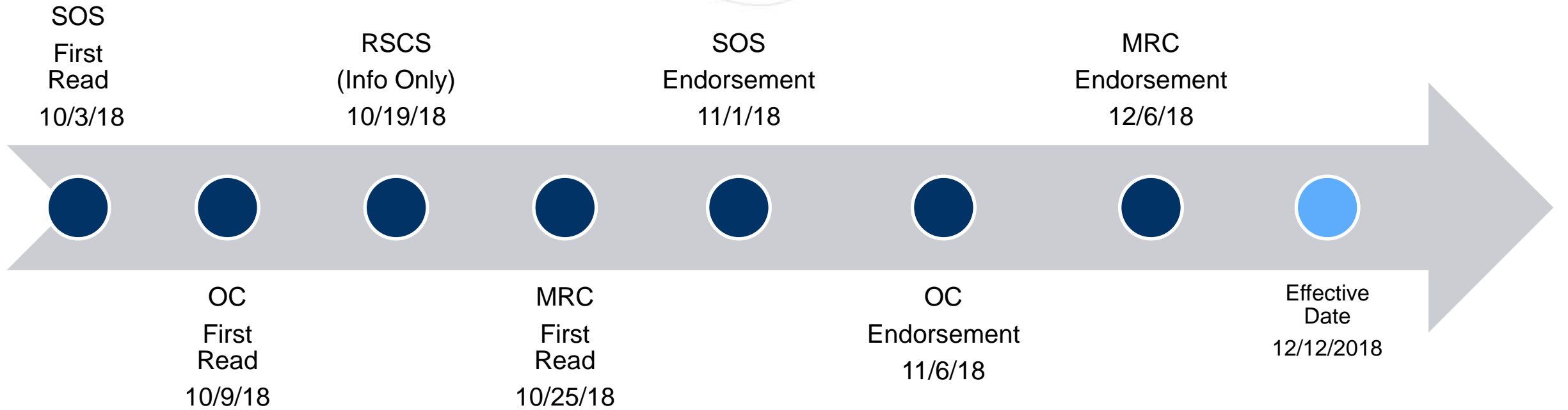
- Section 4.1.5 - EMS Data Exchange
  - Added data point for Performance Assessment Interval (PAI) Trigger via SCADA, ICCP
- Section 5.3 - Marketing Tools
  - Changed “PJM Marketing Tools” to “PJM Markets and Operations Tools”
- Section 7.1.5
  - Added *Deploy All Resources* to Exhibit 8, for consistency with M-13



- Attachment “B” New PJMnet Customer Implementation Voice/Data Communications Template
  - Replaced references to PJM primary/backup control centers with Jefferson/Milford control centers
- Attachment “N” Cold Weather Preparation Guideline and Checklist
  - Updated reference and link to ReliabilityFirst Plant Winterization - Lessons Learned & Best Practices
  - Updated link to NERC Extreme Winter Weather Events - Training Presentation



# Manual 14-D, Rev 46 Review / Approval Timeline



# Appendix

## **Generation Owner:**

“Generation Owner” shall mean a Member that owns or leases, with right equivalent to ownership, or otherwise controls and operates one or more operating generation resources located in the PJM Region. The foregoing notwithstanding, for a planned generation resource to qualify a Member as a Generation Owner, such resource shall have cleared an RPM auction, and for Energy Resources, the resource shall have a FERC-jurisdictional interconnection agreement or wholesale market participation agreement within PJM. Purchasing all or a portion of the output of a generation resource shall not be sufficient to qualify a Member as a Generation Owner. For purposes of Members Committee sector classification a Member that is primarily a retail end-user of electricity that owns generation may qualify as a Generation Owner if: (1) the generation resource is the subject of a FERC-jurisdictional interconnection agreement or wholesale market participation agreement within PJM; (2) the average physical unforced capacity owned by the Member and its affiliates over the five Planning Periods immediately preceding the relevant Planning Period exceeds the average PJM capacity obligation of the Member and its affiliates over the same time period; and (3) the average energy produced by the Member and its affiliates within PJM over the five Planning Periods immediately preceding the relevant Planning Period exceeds the average energy consumed by the Member and its affiliates within PJM over the same time period.