Manual 14D: Generator Operational Requirements Periodic Review

Mike Kelly, Principal Engineer

System Operations Subcommittee

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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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- **Introduction: About this Manual**
  - Updated references to number of sections and appendices within this manual
- **Section 2.1: Generator Owners' Responsibilities**
  - Updated reference to edartgosurvey@pjm.com for questions related to Generation Owner data requests in eDART
- **Section 4.1: EMS Data Exchange Requirements**
  - Updated reference to Exhibit 2: Guidelines for Metering Installation

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- **Section 5.3.5: Markets and Operations Tools – eGADS**
  - Clarified unit availability is an input to PJM's accreditation process for capacity resources

5.3.5 eGADS

The Generator Availability Data System (GADS) enables the operators of generation units to submit performance data into PJM records for determination of unit availability. ~~Units are tracked on a rolling twelve-month basis for demand equivalent forced outages (EFORd) to determine their unforced capacity.~~ Unit availability data serves as an input to PJM's accreditation process for capacity resources. Operators are required to submit data monthly using the eGADS interface. New plant operators should contact PJM for user set-up.

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- **Section 5.7.2.10: Generation Transfer Process – PJM Tools**
  - Updated reference to edartgosurvey@pjm.com for questions related to updating Generation Owner contact information in eDART

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- **Section 7.3.6: Generation Owner Periodic Tasks and Data Submittals**
  - Updated the guideline: Generation Owner Periodic Tasks and Data Submittals

Edits Include:

- Updated the Seasonal Fuel and Emissions Data Request section to reflect the new seasonal frequency of the data request

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- **Section 7.3.6: Generation Owner Periodic Tasks and Data Submittals**
- Updated NERC MOD-026-1 & MOD-027-1 Data Submittals section title to remove MOD-027-1 and update to MOD-026-1 to MOD-026-2
- Updated the requirements section of NERC MOD-026-2 Data Submittals
- Added a bulleted item to the periodicity section of NERC MOD-026-2 Data Submittals to account for a configuration change at a facility
- Removed old department name under NERC MOD-026-2

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- **Section 7.3.6: Generation Owner Periodic Tasks and Data Submittals**
- Added new section entitled Required Training for Operating Personnel to Required Tasks
- Added an additional way to submit data under the Systems Used to Collect Data section of the Restoration Drills task
- Updated Attachment A to reflect the new dates for - Annual Training for Operating Personnel (Jan 1 - Dec 31) and Initial Training for Operating Personnel (Within 6 months of an individual's qualification)

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- **Section 7.3.6 Generation Owner Periodic Tasks and Data Submittals**
- Can be accessed three ways:
    1. Section 7.3.6 in M-14D
    2. Generation Onboarding Section of PJM website
    3. Generation Section of PJM website

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- **Attachment D: PJM Generating Unit Reactive Capability Curve Specification and Reporting Procedures**
  - Updated references to Generation Owner to align with changes in Revision 46
- **Appendix A: Behind the Meter Generation Business Rules**
  - Updated contact information for submitting EMS quarterly model updates to PJM's Power Systems Modeling Group by the deadlines posted in the Modeling User's Forum

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Revisions related to Wind and Solar Resource Dispatch in Real-time Market Clearing Engines

- **Section 8: Wind Farm Requirements**
  - Restored reference to available "Curtailment Indicator"
- **Section 12: Solar Farm Requirements**
  - Added reference to available "Curtailment Indicator“
- **Attachment L: Jointly Owned Resource Communication**
  - Restored reference to "Curtailment Indicator"

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- Revisions related to Wind and Solar Resource Dispatch in Real-time Market Clearing Engines
- **Attachment M: Wind and Solar Unit Dispatchability Check List**
  - Revised language and guidance that includes available curtailment flag for wind and solar resources
  - Added reference to guidance following dispatch in PJM Manual 11: Energy & Ancillary Services Market Operations

2. The unit must electronically receive control signals, including Economic Basepoint and the Generator On Reason (GENRUNR). The unit must also receive Curtailment Flag if required to maintain Economic Basepoint.

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Administrative Updates

- **Introduction: References**
  - Updated reference to PJM Manual 21-B: Rules and Procedures for Determination of Generating Capability
- **Section 5.7.2.3: Fuel Cost Policy**
  - Updated reference to PJM Manual 15: Cost Development Guidelines, Section 2.2: Fuel Cost Policies and Deadlines

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Administrative Updates

- **Section 6.3.4: Coordination with Dispatch – Other Requirements**
  - Updated reference to PJM Manual M03, Transmission Operations, Section 3.11: Generator Voltage Schedules
- **Section 7.3.5: Fuel, Emissions and Operational Data Reporting Background and Intent**
  - Updated reference to PJM Manual 13: Emergency Operations, Section 3.3: Cold Weather Alert

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Administrative Updates

- **Section 11.1.3: Dispute Resolution**
  - Updated Reference to PJM Manual 33: Administrative Services for the PJM Interconnection Operating Agreement, Section 7: Dispute Resolution
- **Attachment M: Wind and Solar Dispatchability Check List**
  - Updated reference link to Markets Gateway User Guide
- **Attachment N: Cold Weather Preparation Guideline and Checklist**
  - Omitted out of date references

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Administrative Updates

- **Updated NERC Standards to exclude revision numbers throughout**
- **Replaced security analysis with contingency analysis to align with industry standard**
- **Corrected typos, punctuation errors, and hyperlinks throughout**

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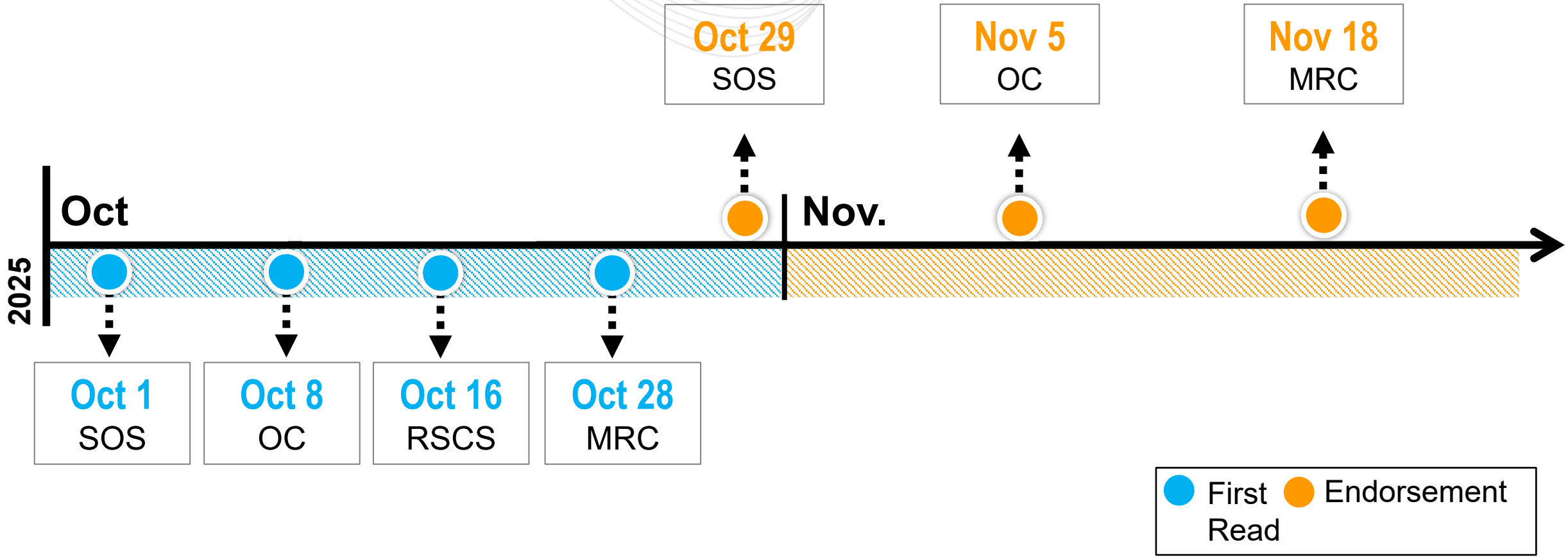
Review/Endorsement Timeline



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Contact

Presenter:
Mike Kelly, Michael.Kelly@pjm.com

M14D Revision 72 Periodic Review

Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

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