



Manual 14-D

Generator Operational Requirements

Revision 63 – Periodic Review

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System Operations Subcommittee
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- Section 7.3 – replaced “verbal” with “notification via phone”
- Attachment “N” – Removed redline language referencing cycling of wind turbines that are not operating

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- **Section 7.5.2: Generation Resource Preparation and Cold Weather Checklist**
 - Added requirement for all generation resources to prepare resources for cold weather operation
- **Attachment N: Cold Weather Checklist**
 - Added additional winter preparation guidance for combustion turbine intake preparation based on NERC Lessons Learned
 - Add additional guidance applicable to inverter-based resources
 - Added other best practices based on industry events

- **Definitions and Applicability**
 - Replaced definitions with reference to the PJM Governing Agreements
- **Section 2.1: Generation Owners’ Responsibilities**
 - Added reference to Manual 14-C Section 2.1 for definition of “commercial operation”
- **Section 3.2.4: Control Center Staffing Requirements**
 - Removed language “As a general guideline” from first sentence of paragraph
- **Section 5.1.3: PJM Reserve Markets**
 - Modified description of PJM Reserve Market to align with Tariff defined terms.

- **Section 7.3: Critical Information and Reporting Requirements**
 - Clarified need for notification via phone to PJM dispatch
 - Added VoltageSchedules@pjm.com for questions regarding voltage schedules
- **Attachment D: PJM Generating Unit Reactive Capability Curve Specification and Reporting Procedures**
 - Clarified that the 95 degree temperature applies to thermal resources
 - Added ReactiveTesting@pjm.com for questions regarding reactive capability

- **Attachment E: PJM Generator and Synchronous Condenser Reactive Capability Testing**
 - Added ReactiveTesting@pjm.com for questions regarding reactive testing
 - Reformatted *Testing Requirements* Summary table for readability
- **Appendix A: Behind the Meter Generation Business Rules**
 - Clarified reference wording for metering requirements
 - Removed statement requiring BTMG generation to modeled in the PJM EMS in order for telemetry and metering to be communicated to PJM

- **Updates throughout related to changes to Interconnection Process**

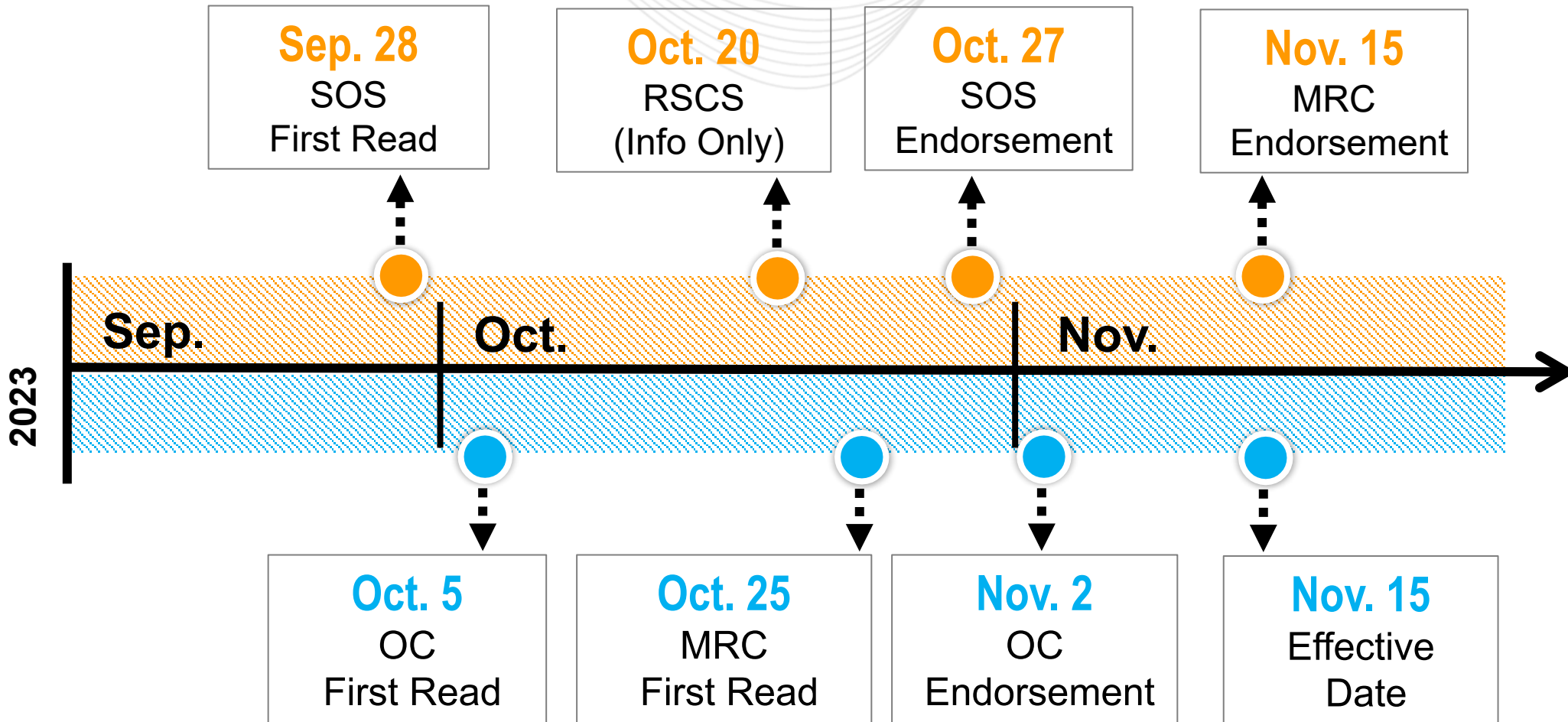
- Added references to new Manual 14-H: New Service Requests Cycle Process
- Replaced Interconnection Service Agreement with Generation Interconnection Agreement where appropriate
- Replaced Interconnection Customer with Project Developer
- Updated terminology referencing New Service Request
- Appendix “A” – Replaced references to M-14A and M-14G with M-14H

- **Section 2.2.2: Generation Owner or Project Developer Name and/or Contact Information Changes**
 - Updated PJM Contact Information
- **Section 4.3.4: Data Exchange and Management Requirements**
 - Removed reference to Phasor Data Quality Task Force which has been sunset.
 - Added reference to OATT for guidance
- **Section 5.4.2: The Day-Ahead Energy Market**
 - Updated title of section by adding the word “Energy”
 - Added “Energy” between “Day-ahead” and “Market” wherever “Day-Ahead Market” appears in this section.

- **Section 5.7.2.8: Telemetry and Telecommunications**
 - Replaced the term *Voice* Communications with *Interpersonal* Communications in alignment with NERC standard COM-001 and PJM Manual 1
- **Section 7.3.6: Periodic Task Document Periodic Review**
 - <https://www.pjm.com/~media/documents/manuals/manual-links/m14d/go-periodic-tasks.ashx>
 - Minor updates as part of periodic review
- **Section 13.2: Other Requirements**
 - Removed reference to Section 4.1.7

- **Attachment A: New Generator Checklist**
 - Replaced references to eRPM with Capacity Exchange
 - Removed outdated reference to Manual 3A, Appendix D

Manual 14-D, Rev 63 Review / Approval Timeline



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