

Manual 14-D Generator Operational Requirements Revision 64 – Periodic Review

Vince Stefanowicz
Principal Engineer, Generation
Markets & Reliability Committee
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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 <u>VoltageSchedules@pjm.com</u> 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 <u>ReactiveTesting@pjm.com</u> for questions regarding reactive capability



- Attachment E: PJM Generator and Synchronous Condenser Reactive Capability Testing
 - Added <u>ReactiveTesting@pjm.com</u> for questions regarding reactive testing
 - Reformatted Testing Requirements 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/manuallinks/m14d/go-periodic-tasks.ashx
- Minor updates as part of periodic review

Section 13.2: Other Requirements

Removed reference to Section 4.1.7



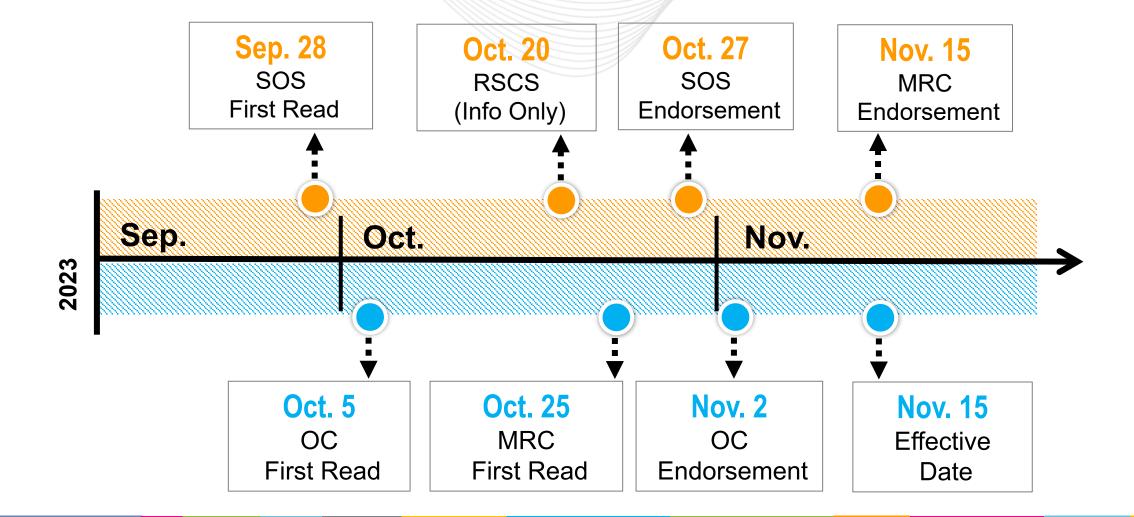
Attachment A: New Generator Checklist

- Replaced references to eRPM with Capacity Exchange
- Removed outdated reference to Manual 3A, Appendix D

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Manual 14-D, Rev 64 Review / Approval Timeline



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Facilitator:

Stu Bresler, Stu.Bresler@pjm.com

Secretary:

Dave Anders, <u>David.Anders@pjm.com</u>

SME/Presenter:

Vince Stefanowicz,

Vincent.Stefanowicz@pjm.com

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Member Hotline

(610) 666 - 8980

(866) 400 - 8980

custsvc@pjm.com

