



Manual 14-D, Revision 53 Generator Operational Requirements Periodic Review

Darrell Frogg
Sr. Engineer, Generation – PJM
Markets & Reliability Committee
October 29, 2020

Section 7.5.1 Generation Resource Operational Exercise

- No longer PJM administered
- Provides guidance on timing and scheduling
- Recommends GO self-scheduled testing
 - Scheduling day-ahead preferred
 - eDART ticket still required

Section 7.1.2 Voltage and Reactive Control

- Clarified PSS requirement following an AVR replacement
- Removed reference to email as alternative for voltage schedule communications

Section 7.3 Critical Information and Reporting Requirements

- Clarified that change of state includes changing output of self-scheduled units that are not following SCED basepoint

Section 7.5.2 Generation Resource Cold Weather Checklist

- Added clarification on timing based on latest NERC guidance

Section 10.1.2.H Implementation of Black Start Solutions

- Clarified language regarding Black start terminations

Attachment E: PJM Generator and Synchronous Condenser Reactive Capability Testing

- **Section E.1 Objective**
 - Added additional clarification regarding the intent of the testing
- **Section E.2 General Requirements**
 - Reworded to improve readability
- **Section E.3 Testing Requirements**
 - Clarified testing requirements that apply to units not required to perform a PJM reactive capability test
- **Section E.8 Post-Test Evaluation**
 - Clarified the fact that PJM may update D-curve for reliability reasons

Attachment N: Cold Weather Preparation Guideline and Checklist

- Updated to reflect changes suggested in latest NERC Guideline
- Added link NERC Lessons Learned
- Added reference to joint NERC/FERC Report on south central US cold weather event – January 2018

Section 7.1.2 Voltage and Reactive Control

- Aligned language with language in Manual 3

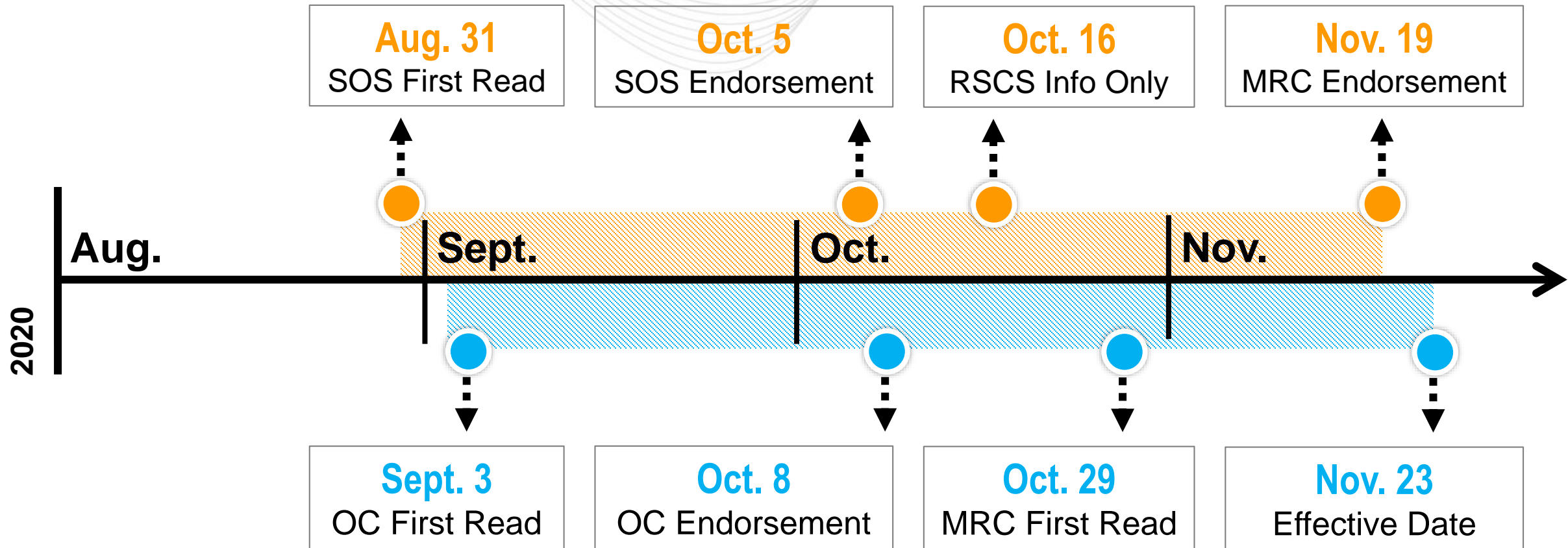
Corrected typographical errors in multiple sections

- Section 3.2.4 Control Center Staffing Requirements
- Section 8.2.3 Real Time Meteorological Tower
- Section 12.2.3 Real Time Meteorological Station

Appendix 'A' Behind the Meter Generation Business Rules

- Changes to align with current business practices

Manual 14-D, Rev 53 Review / Approval Timeline



SME/Presenter:
Darrell Frogg,
Darrell.Frogg@pjm.com

Manual 14-D, Rev 53 – Periodic Review



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com