M14D, Generator Operational Requirements
Revision 29 Proposed Changes

July/August/September 2014 Committee Meetings
• Annual review for 2014

• Section 4, Data Exchange and Metering Requirements: Added Section 4.1.2 Jetstream and renumbered subsequent sections
  – Jetstream improves the reliability, security and usability of the existing system which connects small generators, load response assets and other market participants to the PJM Energy Management System
  – Existing “ARCOM” links will continue to operate and will be transitioned to Jetstream over the next several years

• Section 5.3.4, eDART: Updated description
  – Updated the description of the eDART tool to include additional functionality
• Section 7.1.3, Notification to PJM for Reactive Power Resource Status during Unit Start-up: Added the words “real-time” to align with NERC Reliability Standard VAR-002-2b
  – Revised for additional clarity

• Section 7.3.3, Unplanned Outage: Added reference to reporting conditions that may affect the availability of resources providing PJM Black Start Service

• Section 7.3.4, Generating Unit Reactive Capability Reporting: Clarified that separate notifications are required for each automatic voltage regulator outage and each power system stabilizer outage
  – Revised for additional clarity
Revision highlights

• Section 8.2.3, Real Time Meteorological Tower: Revised for consistency with Tariff and Interconnection Service Agreement requirements
  – PJM OATT revised effective 5/19/14 requiring additional meteorological data

• Attachment D, PJM Generating Unit Reactive Capability Curve Specification and Reporting Procedures: Revised to include synchronous condensers and generator MVAR testing at minimum output
  – Revised for consistency with reactive testing requirements
• Attachment E, PJM Generator and Synchronous Condenser Reactive Capability Testing: Revised title and language to align with NERC Reliability Standard MOD-025-2
  – Revised per presentations given at the June 25, 2014 SOS and July 8, 2014 OC meetings
    • Link to June 25, 2014 SOS presentation: http://pjm.com/~/media/committees-groups/subcommittees/sos/20140625/20140625-item-10a-mod-025-2-m14d-implementation-plan-sos-06252014-revised-6302014.ashx
    • Link to July 8, 2014 OC presentation: http://pjm.com/~/media/committees-groups/committees/oc/20140708/20140708-item-16-impacts-of-mod-025.ashx
  – Provides additional operational data without needing separate testing to meet the NERC and PJM requirements
Attachment F, Generator Reactive Capability Test Study Process: Deleted Attachment F due to being outdated and replaced with an internal PJM process.
  - PJM Reliability Engineers now follow an internal process to study the potential effects of generator and synchronous condenser reactive testing

Attachment M, Wind Unit Dispatchability Check List, Section III, 2.e: Revised language to reflect a change to the SCED logic to improve constraint control and price formation
  - Revised to reflect current SCED logic
Next steps

• Committee Presentations
  – SOS July 30, 2014 and August 27, 2014
  – OC August 5, 2014 and September 4, 2014 (request endorsement)
  – MRC August 21, 2014 and September 18, 2014 (request endorsement)
• Potential effective date October 1, 2014
• Questions?
• Contact
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