

Reliability Standards and Compliance Subcommittee

Meeting and WebEx

Friday, April 17, 2020

0900 to 1000 EPT, Valley Forge

1) Administration

a) Call to Order

Subcommittee Members:

Mark Holman, Chair
Thomas Moleski, Secretary
Bruce Samblanet
Connie Lowe
Charlie Cook
John Sturgeon
Joseph Roettker
Jacquie Smith
Thomas Cichowski
Ronnie Mollohan
Claudine Fritz
Daniel Gacek
Rajesh Geevarghese
Keith Jenkins
Ann Carey
Gizella Mali
Mark Garza
Mark Klohonatz
Sherri Johnson
Mike Ferguson
Dave Mabry
Joseph Smith
Tim Kucey
Thomas Buhler

Manager, Reliability Compliance Department.
Sr. Compliance Specialist, Reliability Compliance Department.
Appalachian Power Company
Dominion Virginia Power
Duke Energy
Duke Energy
Duke Energy Ohio, Inc.
Duquesne Light Company
Duquesne Light Company
EKPC
Exelon Business Services Company, LLC
Exelon Business Services Company, LLC
Exelon Business Services Company, LLC
First Energy Corporation
FirstEnergy Utilities (FEU)
FirstEnergy Utilities (FEU)
FirstEnergy Utilities (FEU)
FirstEnergy Utilities (FEU)
FirstEnergy Utilities (FEU)
Indeck Energy Services Inc.
McNees Wallace & Nurick LLC
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Rockland Electric Company

PJM Staff:

Kristen Foley
Srinivas Kappagantula
Mark Kuras
Chris Moran

Paralegal, Reliability Compliance
Sr. Analyst, Reliability Compliance.
Sr. Lead Engineer, Reliability Compliance.
Sr. Analyst, Reliability Compliance.

Preston Walker

Sr. Analyst, Reliability Compliance

b) **Review of Administrative Documents (Thomas Moleski)**

- i. Antitrust Guidelines
- ii. Code of Conduct
- iii. Compliance Disclaimer
- iv. Media Statement

There were no questions raised on the Administrative Documents

c) **Approval of Agenda (Thomas Moleski)**

The agenda was approved as presented.

d) **Approval of the Minutes from the February 21, 2020, RSCS meeting (Thomas Moleski)**

The Minutes were approved as presented.

2) PJM Compliance Activities

a) **Manual Updates**

- i. Review of Manual 3 (Lagy Mathew)
 - a. Lagy Mathew outlined the changes to Manual M03
 - i. Cover to cover periodic review
 - 1. Corrected typos, removed references to SPS.
 - ii. Section 1.5: Removed Section 2 reference from Manual 3A.
 - iii. Section 1.7: Updated RAS procedure for PRC-012 standard.
 - iv. Section 3 and Attachment C: Updated baseline voltage tables and voltage exception request due to new eDART function for voltage limit implementation.
 - v. Section 3.11: Updated language showing eDART Voltage Schedule is the required method for communicating generator voltage schedules.
 - vi. Section 3.9: Removed language concerning TSA Benchmarking.
 - vii. Section 4.5: Added Outage Acceleration posting site and contact email.
 - viii. Attachment A
 - 1. Updated language for Wolfs Crossing RAS.
 - 2. Removed two Lisle schemes due to station reconfiguration.
 - ix. Attachment B
 - 1. Added clarifying language to 'Cut-In' Criteria for TO associated with project work.
- ii. Review of Manual 1 (Bilge Derin)
 - a. Bilge Derin outlined the changes to Manual M03
 - i. Cover to cover periodic review

ii. Attachment A

1. Added a list of external entities PJM shares network model information with directly.
2. Added a new column in the data specification tables.
 - a) Periodicity for providing the data”
 - b) Change to comply with TOP-003
3. Removed Row B.5 Black Start Test Data from Table B.
4. Removed Row B.16 AVR/PSS Excitation control output.

iii. Attachment B

1. Removed references to EOP-005-3 R3 and R4, as these are already covered by Manual 36 Attachment G.

b) NERC Standard Drafting Team Vacancies (Mark Holman)

i. Project 2020-01 Modifications to MOD-032-1

- a. Purpose: This project proposes to revise MOD-032-1 to address gaps in data collection for the purposes of modeling and interconnection-wide case creation regarding DER. The goal is to provide clarity and consistency for data collection across Planning Coordinators (PCs) and Transmission Planners (TPs) when coordinating with the DP to gather aggregate load and DER data.
- b. SDT Nominations Due: 04/24/2020
- c. PJM Nominated Phil Yum from System Planning Modeling & Support Department

ii. Project 2020-02 Transmission-connected Resources

- a. Standard(s) Affected – MOD-025, MOD-026, MOD-027, PRC-019, and PRC-024
- b. Purpose: Dynamic reactive resources used to provide Essential Reliability Services (ERS) in the BES include generation resources (rotating machine and inverter-based) as well as transmission connected dynamic reactive resources (power-electronics based). Existing Reliability Standards for verifying the capability, modeling and performance of dynamic reactive resources are only applicable to Facilities comprising generation resources. Augmenting the applicability of these standards to include (nongeneration) transmission-connected reactive resources, both rotating machine (i.e. synchronous condenser) and power-electronics based, will enhance the BES reliability by ensuring that the capability, models and performance are verified and validated for all varieties of dynamic reactive resources utilized in providing ERS in the BES.
- c. SDT Nominations Due: 04/29/2019.
- d. PJM Nominated Kyle Clifford from System Planning Modeling & Support Department

iii. (Project 2020-03 Supply Chain Low Impact Revisions

- a. Standard(s) Affected – CIP-003-8
- b. Purpose: This project will address the NERC Board resolution adopted at its February 2020 to initiate a project to modify Reliability Standard CIP-003-8 to include policies for low impact BES Cyber Systems to: (1) detect known or suspected malicious

- communications for both inbound and outbound communications; (2) determine when active vendor remote access sessions are initiated; and (3) disable active vendor remote access when necessary.
- c. SDT Nominations Due: 05/06/2020
 - d. PJM has not nominated anyone as of this update.
- iv. Project 2020-04 Modifications to CIP-012
- a. Standard(s) Affected – CIP-012 - Cyber Security – Communications between Control Centers
 - b. Purpose: The purpose of this project is to address a directive issued by the Federal Energy Regulatory Commission (FERC) in Order No. 866 to develop modifications to the CIP Reliability Standards to require protections regarding the availability of communication links and data communicated between the bulk electric system Control Centers.
 - c. SDT Nominations Due: 05/11/2020
 - d. PJM has not nominated anyone as of this update.
- c) **PRC-012 -2 Implementation Update (Stan. Sliwa)**
Stan Sliwa advised that PRC-012-2 will become effective in 2021, and the initial review to identify Remedial Action Schemes has begun. PJM is planning on addressing anything that is not classified.
- d) **PJM Operations during the Covid 19 Pandemic (Christopher Moran)**
- i. PJM has stood up a 3rd Control room in the PJM training center which became operational on Sunday 4/12/2020
 - ii. PJM has also sequestered a select amount of operators to operate from the 3rd control room
 - a. The sequestered operators volunteered to be sequestered for a minimum of 21 days or indefinitely until the risk of COVID-19 has been reduced
 - b. All sequestered operators were tested for COVID-19 prior to sequestration (if the question arises about how many operators were sequestered, our answer is enough to maintain a full shift)
 - iii. Shift schedules have been arranged so that there is no face to face shift turnover, it is done through another control center through a polycom device, this enables operations to ensure social distancing
 - iv. 12 hour shift schedules have also been implemented as opposed to the normal 8 hour schedules to reduce operators in and out of the control room
 - v. Moving forward PJM is looking into other contingency plans should a large number of Operators become sick, possible solutions include leveraging past operators or specific SME's to support control room operations.

3) FERC, NERC, and Regional Activities

a) **Committee Updates (Mark Holman)**

Mark Holman advised that there were no Committee Updates.

b) **NERC and Regional Updates (Preston Walker)**

i. Technical Rationale for Reliability Standards

- a. The intent of this project is to remove the “Supplemental Materials” section from the Standards and place that information into separate documents titled “Technical Rationale”.
- b. The Technical Rationale documents provide technical basis and guidance for associated Requirements.
- c. Ballot comments are due: 04/20/2020.
- d. PJM is okay with this project.

ii. Project 2020-02 Transmission-connected Resources

- a. Existing Reliability Standards for verifying the capability, modeling and performance of dynamic reactive resources are only applicable to Facilities comprising generation resources.
- b. Augmenting the applicability of these Standards to include (nongeneration) transmission-connected reactive resources, both rotating machine (i.e. synchronous condenser) and power-electronics based, will enhance the BES reliability by ensuring that the capability, models and performance are verified and validated for all varieties of dynamic reactive resources utilized in providing ERS in the BES.
- c. Comment are due: 04/29/2020.
- d. PJM will provide its position via the RSCS distribution list.

iii. Standards Efficiency Review Phase 2 Operational Data Exchange Simplification Standard Authorization Request

- a. Simplify administrative burdens identified by the SER Phase 2 Team associated with IR0-010-2 and TOP-003-3 standards
- b. As written, the Standards create a zero-defect expectation for each Registered Entity receiving a data specification to demonstrate perfect performance on every item in the data specification for an entire audit period.
- c. Additionally, it is not clear what should be included in a data specification.
- d. The survey is due: 05/29/2020.

iii. NERC News

- a. FERC and NERC provided guidance on use of regulatory discretion for COVID-19
- b. NERC Publishes FAQs About Joint NERC–FERC Industry Guidance for COVID-19
- c. NERC Files Motion to Defer Implementation of 7 Standards Due to COVID-19
- d. GridSecCon 2020 has been canceled

iv. For a full list of Standards Under Development, and a list of future standard enforcement dates, go to: <https://www.pjm.com/-/media/committees-groups/subcommittees/rscs/2020/20200417/20200417-item-03b-committee-updates.ashx>.

4) Future Agenda Items

5) Future Meeting Dates*

Friday, May 15th, 2020
Friday, June 19th, 2020
Friday, July 17th, 2020
Friday, August 21st, 2020
Friday, September 18th, 2020
Friday, October 16th, 2020
Friday, November 20th, 2020
Friday December 18th, 2020

*All RSCS WebEx meetings will be at 0900 on the third Friday of every month.

Author: Kristen Foley

Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

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