

Reliability Standards and Compliance Subcommittee  
WebEx and Meeting  
Thursday, July 21, 2017  
10:00 am to 12:00 pm EPT, Valley Forge, PA

## 1) Administration

### a) Call to Order (Mr. Moleski)

#### Subcommittee Members:

Mark Holman, Chair	Manager, NERC and Regional Coordination Dept.
Thomas Moleski, Secretary	Sr. Compliance Specialist, NERC and Regional Coordination Dept.
Scott Berry	Indiana Municipal Power Agency
Sean Bodkin	Dominion Virginia Power
Thomas Buhler	Rockland Electric Company
Ann Ivanc Carey	FirstEnergy Solutions Corp.
Hugh Conley	Duquesne Light Company
Jeff Currier ES	Dominion Virginia Power
Elizabeth Davis	Talen Energy Marketing, LLC
Dan Duff	Liberty Electric Power, LLC
Adrien Ford	Old Dominion Electric Cooperative
Claudine Fritz	Exelon Business Services Company, LLC
David Fusek	Appalachian Power Company
Rajesh Geevarghese	Exelon Business Services Company, LLC
Marlene George	UGI Utilities, Inc.
Amanda Graybill	American Transmission Systems, Inc.
Tom Hyzinski	GT Power Group
Doug Jerzycke	Exelon Generation Co., LLC
Sherri Johnson	FirstEnergy Corporation
Hamid Kazerooni	Talen Energy Marketing, LLC
Mark Klohonatz	FirstEnergy Solutions Corp.
George Kogut	New York Power Authority
CONNIE LOWE	Dominion Virginia Power
Laura Lumbrazo	Rockland Electric Company
Gizella Mali	FirstEnergy Solutions Corp.
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia
Patricia McBride-Rowe	Duquesne Light Company
Quinn Morrison	Exelon Business Services Company, LLC
Jeffrey Mueller	Public Service Electric & Gas Company
Chris Norton	American Municipal Power, Inc.
Ernest Owens	ITC Mid-Atlantic Development LLC
Kevin Patten	Appalachian Power Company
Stephanie Rhoads	PPL Electric Utilities Corp. dba PPL Utilities
Brian Robinson	Utility Services, Inc.

Joseph Roettker  
Bruce Samblanet  
Ronald Schloendorn  
John Seelke  
Aubrey Short  
Jacquie Smith  
Joseph Smith  
Mary Terry  
Bob Thomas  
David Thorne  
Brenda Truhe  
Wayne Van Liere  
Katherine Zvomuya

Duke Energy Ohio, Inc.  
Appalachian Power Company  
PECO Energy Company  
LS Power Development, LLC  
FirstEnergy Solutions Corp.  
ReliabilityFirst Corporation  
Public Service Electric & Gas Company  
PEPCO Holdings, Inc.  
Illinois Municipal Electric Agency  
Potomac Electric Power Company  
PPL Electric Utilities Corp. dba PPL Utilities  
Louisville Gas & Electric Co./Kentucky Utilities Co.  
City of Cleveland, DPU, Div of Cleveland Public Pwr

### PJM Staff:

Srinivas Kappagantula  
Mark Kuras  
Preston Walker  
Kristen Foley  
Nicole Scott  
David Schweizer

Sr. Analyst, NERC and Regional Coordination.  
Sr. Lead Engineer, NERC and Regional Coordination Dept.  
Sr. Analyst, NERC and Regional Coordination Dept.  
Sr. Paralegal, NERC and Regional Coordination Dept.  
Sr. Lead Engineer, Transmission Operations  
Manager, Generation

### **b) Review of Administrative Documents (Mr. 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 (Mr. Moleski)**

The Agenda was approved as presented.

### **d) Approval of the May 18, 2017 Meeting Minutes and the June 16, 2017 Meeting Minutes (Mr. Moleski)**

The May 18, 2017 Meeting Minutes, and the June 16, 2017 Meeting Minutes were approved as presented.

## 2) PJM Compliance Activities

### **a) Manual Updates**

- i) Ms. Scott outlined the changes to Manual 3 v51, which were implemented June 1, 2017:
  - (1) Section 3.3, Exhibit 3 and Exhibit 5 – Updated section and combined exhibits with new tables for PJM Baseline Voltage Limits and Transmission Owners' Voltage Limits.

- (2) Section 3.3.3 – Moved Generator Voltage Schedules from Section 3.3.3 to new Section 3.11.
- (3) Section 3.5.3 – Updated Bulk Electric System Capacitors Operation at Erie South, Four Mile, and West Wharton • Section 3.7 – Removed TMI – Hosensack as a high voltage control switching option due to system upgrade.
- (4) Section 3.8 – Changed one Eastern Interface definition line from TMI – Hosensack to Lauschtown – Hosensack. Reformatted interface definition table to “from-to” format.
- (5) Section 3.12 – Added new section, Reactive Reserve Check (RRC) (Previously located in Manual 14D: Generator Operational Requirements).
- (6) Section 4.1 – Added language highlighting need for Transmission Owners to enter outage requests on equipment owned by Generation Owners.
- (7) Section 4.2.2 – Updated the relay outage and degradation reporting criteria, changed note text from ‘hotline’ to ‘automatic reclosing.’
- (8) Section 4.2.6 – Revised peak period outage scheduling guidelines to add clarity on denial under certain projected conditions.
- (9) Section 4.2.13 – Updated title and added Transmission Owner notification to impacted unit owner.
- (10) For additional details on the changes to Manual 3, please visit: <http://www.pjm.com/-/media/committees-groups/subcommittees/rscs/20170721/20170721-item-02ai-manual-03-v51-updates.ashx>

**b) NERC Standard Drafting Team Opportunities (Mr. Moleski)**

- i) There are no NERC Standard Drafting Team openings at this time.
- ii) When they are posted, PJM will be nominating David Kimmel to the BAL-002 Drafting Team, and Danielle Croup to the BAL-003 Drafting Team.

### 3) FERC Activities

**a) Recent compliance related FERC activities**

Mr. Holman reported that there were no recent compliance related activities at the FERC.

### 4) NERC and Regional Activities

**a) Committee Updates (Mr. Holman)**

Mr. Holman reported that there were no recent compliance related activities at NERC or the Regions.

**b) Standards Under Development (Mr. Walker)**

- i) Project 2017-02 – Modifications to PER Standards | Standard (PER-003-1 and PER-004-2)
  - (1) To ensure stakeholders understand the connection between the Standard and the Program Manual, and the certifications referenced under PER-003-1 are those under the NERC System Operator Certification Program.
  - (2) The PER-004-2 standard falls within Paragraph 81 Criterion B7 and should be retired.
  - (3) PJM agrees with the suggestions and will continue to monitor this project moving forward.
  - (4) Comments are due July 24, 2017.
- ii) PRC-006-SERC-02 Automatic Underfrequency Load Shedding Requirements
  - (1) Revisions include:

- (a) Definition for PC area added to provide clarity/
  - (b) Removed the term 'distribution' from R4.1 and R5.1 to prevent the misinterpretation that only distribution load can be used for a UFLS scheme.
  - (c) Added to R2.1, 4.1 and 5.1 the flexibility for the PC to choose the peak season on which to base the UFLS plan.
- (2) PJM agrees with the suggestions and will continue to monitor this project as it moves forward.
- (3) Comments are due July 24, 2017.
- iii) Draft Reliability Guideline: Distributed Energy Resource Modeling
  - (1) Developed as a result of the penetration of distributed energy resources (DER), which continues to increase across the North American footprint. Transmission Planners (TPs) and Planning Coordinators (PCs) are faced with the challenge of representing these resources connected at the distribution system with relatively newer and evolving models.
  - (2) Currently, PJM agrees with the suggestions and will continue to monitor this project as it moves forward.
  - (3) Comments are due July 28, 2017.
- iv) Proposed Revisions to the NERC Rules of Procedure Appendix 3D
  - (1) The purpose of these revisions is to help ensure that the votes of the Independent System Operators and Regional Transmission Organizations are appropriately represented in the Registered Ballot Body voting structure.
  - (2) PJM agrees with the suggestions and will continue to monitor this project as it moves forward.
  - (3) Comments are due August 10, 2017.
- v) Project 2013-03 Geomagnetic Disturbance Mitigation (TPL-007-2)
  - (1) Revisions include:
    - (a) Modify the benchmark GMD event definition used for GMD Vulnerability Assessments.
    - (b) Make related modifications to requirements pertaining to transformer thermal impact assessments.
    - (c) Require collection of GMD-related data. NERC is directed to make data available.
    - (d) Require deadlines for Corrective Action Plans (CAPs) and GMD mitigating actions.
  - (2) PJM agrees with the proposed changes and will monitor SRC activity.
  - (3) Comments and ballots are due August 11, 2017.
- vi) Integrating Inverter-based Resources into Weak Power Systems
  - (1) This guideline provides the industry with background and useful reference information pertaining to the topics of:
    - (a) identifying weak grid conditions and
    - (b) potential issues that may arise from weak grids when connecting or operating inverter-based resources.
  - (2) The goal is to proactively provide the industry with information for their consideration as they face this emerging issue and increasing penetrations of inverter-based resources.
  - (3) PJM is still evaluating.
  - (4) Comments are due August 25, 2017.
- vii) For a **full** list of Standards Under Development, and a list of future standard enforcement dates, go to: <http://www.pjm.com/-/media/committees-groups/subcommittees/rscs/20170721/20170721-item-04b-nerc-and-regional-coordination-update.ashx>

## 5) Member Issues and Future Agenda Items

## 6) Future Meeting Dates\*

Thursday, August 17 <sup>th</sup> , 2017	10:00 AM	Meeting and WebEx
Friday, September 15 <sup>th</sup> , 2017	10:00 AM	WebEx
Friday, October 20 <sup>th</sup> , 2017	10:00 AM	WebEx
Thursday, November 16 <sup>th</sup> , 2017	10:00 AM	Meeting and WebEx
Friday, December 15 <sup>th</sup> , 2017	10:00 AM	WebEx

\* Monthly WebEx: Third Friday of every month, except months where a quarterly Face-to-Face meeting is scheduled.

Author: Kristen Foley

### Anti-trust:

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:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings.

### Compliance Disclaimer:

Reference to compliance examples, methods, processes or procedures during this meeting is meant solely for discussion purposes only and should not be relied upon by anyone as a guarantee or evidence of compliance with any RFC, SERC, NERC or FERC standards.