

Reliability Standards and Compliance Subcommittee

WebEx

Friday, April 20, 2018

10:00 am to 12:00 pm EPT, Valley Forge, PA

1) Administration

a) Call to Order (Mr. Moleski)

Subcommittee Members:

Mark Holman, Chair

Thomas Moleski, Secretary

Syed Ahmad

David Blackshear

Sean Bodkin

Thomas Buhler

Ann Carey

Thomas Cichowski

Vince DeGiusto

Brett Denby

David Fusek

Rajesh Geevarghese

Marlene George

Amanda Graybill

Doug Jerzycke

Sherri Johnson

Mark Klohonatz

Jenjira Knernschild

Michelle Longo

Gizella Mali

Quinn Morrison

Jeffrey Mueller

Joseph Roettker

Bruce Samblanet

Aubrey Short

Joseph Smith

Jacque Smith

Richard Straight

Mary Terry

Mary Ann Todd

Wayne Van Liere

Katherine Zvomuya

Manager, Reliability Compliance Dept.

Sr. Compliance Specialist, Reliability Compliance Dept.

The Federal Energy Regulatory Commission

Gridforce Energy Management, LLC

Dominion Virginia Power

Rockland Electric Company

FirstEnergy Solutions Corp.

Duquesne Light Company

UGI Utilities, Inc.

Northern Virginia Electric Cooperative

Appalachian Power Company

Exelon Business Services Company, LLC

UGI Utilities, Inc.

American Transmission Systems, Inc.

Exelon Generation Co., LLC

First Energy Corp.

FirstEnergy Solutions Corp.

ODEC

PPL Electric Utilities Corp. dba PPL Utilities

FirstEnergy Solutions Corp.

Exelon Business Services Company, LLC

Public Service Electric & Gas Company

Duke Energy Ohio, Inc.

Appalachian Power Company

FirstEnergy Solutions Corp.

Public Service Electric & Gas Company

Duquesne Light Company

FirstEnergy Solutions Corp.

PEPCO Holdings

Illinois Municipal Electric Agency

Louisville Gas & Electric Co./Kentucky Utilities Co.

City of Cleveland, DPU, Div of Cleveland Public Pwr

PJM Staff:

Ron DeLoach	Manager Model Management, Model Management
Courtney Facia	Co-Op, Reliability Compliance
Kristen Foley	Paralegal, Reliability Compliance
Bill Harm	Sr. Consultant Reliability Compliance
Srinivas Kappagantula	Sr. Analyst, Reliability Compliance.
Mark Kuras	Sr. Lead Engineer, Reliability Compliance.
Yuri Smolanitsky	Sr. Engineer, Transmission Operations
Jonathan Thompson	Sr. Engineer, Transmission Planning
Preston Walker	Sr. Analyst, Reliability Compliance.

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 February 15, 2018 Meeting Minutes (Mr. Moleski)

The February 15, 2018 Meeting Minutes were approved as amended.

2) PJM Compliance Activities

a) Manual Updates

- i) Manual 03A – Energy Management System (EMS) Model Updates and Quality Assurance (Mr. Deloach)
 - (1) Mr. Deloach outlined the changes to Manual 03A
 - (a) Changes to new Section 5.6 since 1st read:
 - (i) TOP-010 Requirement 3 is focus with TOP-010 effective April 1, 2018
 - (ii) Updates based on Stakeholder feedback of 1st Read presentations
 - (iii) The Supplemental Materials section gives insights into example specifics and a Rationale
 - (iv) Minor editorial changes for clarity
 - (v) Removed notification e-mail requirement
 - (vi) Clarified notification timeframe – 15 minutes once known
 - (vii) For 30 minute criteria, adjusted references to IRO-008-1; R4 and TOP-001; R13 & R14.
 - (b) Overview of Changes (Section 5):
 - (i) TO staff shall implement an Operating Process/Procedure to address the quality of analysis used in its Real-time Assessments.

- (ii) TO shall have periodic monitoring of solution quality for Real-time Assessments.
 - 1. 30 minute or less frequency, consistent with NERC Standard IRO-008-2, Requirement 4
 - (iii) TO shall notify PJM when:
 - 1. Analysis quality issues affecting its Real-time Assessment have existed for 30 minutes.
 - 2. Real-Time Assessment quality is back to normal.
 - ii) Manual 03 - Sect 1-4 changes, Reactive Interface updates (Mr. Smolanitsky)
 - (1) Mr. Smolanitsky outlined the changes to Manual 03
 - (a) Periodic Review. Corrected grammar and formatting throughout.
 - (b) Section 1.7 – Revised RAS review procedure into steps
 - (c) Section 2.1.3 – Clarified load shed activity notes
 - (d) Section 3.12 – Update note for the Reactive Reserve Check submittal via ICCP reporting implementation date
 - (e) Section 3.3.1 – Added voltage limits for OVEC
 - (f) Section 3.3.5 – Added short-term emergency high voltage limit for OVEC
 - (g) Section 3.8 – Updated Cleveland Interface definition
 - (h) Section 3.8 – Updated Eastern Interface definition
 - (i) Added PPL Frackville #1, #2 and #3 230/69 transformer sectionalizing schemes with effective dates of July 19, 2018.
 - (j) Added AEP Sorenson-Huntington 138 kV sectionalizing scheme with effective date of February 2018.
 - (k) Removed retired sectionalizing schemes in Dominion, PPL and AEP transmission zones.
- b) **NERC Standard Drafting Team Opportunities (Mr. Moleski)**
 - i) Project 2018-01 Canadian-specific Revisions to TPL-007-2
 - (1) Nominations due by 4/19/2018
 - ii) Technical Rationale for Reliability Standards
 - (1) Nominations due by 4/27/2018
- c) **Review PJM's MOD-032 plan and schedule (Mr. Thompson)**
 - i) Purpose NERC MOD-032-1
 - (1) To establish consistent modeling data requirements and reporting procedures for development of planning horizon cases necessary to support analysis of the reliability of the interconnected transmission system
 - ii) PJM collected data from Generation Owners and Transmission Owners in 2016 and 2017
 - (1) PJM has developed and used Gen Model portal for Generation Owner submission
 - (2) PJM has implemented and used Model On Demand to build gather and build load flow cases
 - iii) Gen Model is the tool used by GOs to get PJM gen data
 - iv) 2018 Activity
 - (1) Open April 2 – June 15
 - (2) Form will be preloaded with 2017 data making it quick to submit generators with unchanged data and easy to update any changed parameters
 - (3) No noticeable changes from last year

- v) PJM staff has reviewed and updated “PJM MOD-032 Steady State, Dynamics, and Short Circuit Modeling Data Requirements and Reporting Procedures Document”
 - (1) Most updates were to clarify questions from 2017
 - (2) Document can be accessed at PJM’s MOD-032 website
 - (a) <http://www.pjm.com/planning/rtep-development/powerflowcases/mod-032.aspx>

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 on NERC’s Standards Efficiency Review team, which will be taking a look at all the standards for possible retirement. There will be four teams, and two phases to this project. The teams are currently in Phase 1.

b) Standards Under Development (Mr. Walker)

- i) Project 2015-10 Single Points of Failure | TPL-001-5 and Implementation Plan
 - (1) Comment and ballot period closes April 23, 2018.
- ii) BAL-002-3 Disturbance Control Standard—Contingency Reserve for Recovery from a Balancing Contingency Event
 - (1) FERC directed NERC to develop modifications to Requirement R1 to require Balancing Authorities or Reserve Sharing Groups:
 - (a) to notify the reliability coordinator of the conditions set forth in Requirement R1, Part 1.3.1 preventing it from complying with the 15-minute ACE recovery period; and
 - (b) to provide the reliability coordinator with its ACE recovery plan, including a target recovery time.
 - (2) Comment and ballot period closes May 7, 2018.
- iii) PER-003-2 System Operator Certification Program Survey
 - (1) The Personnel Certification Governance Committee (PCGC) is in the process of reviewing the NERC System Operator Certification (SOC) program.
 - (2) Industry input is a critical part of the process. System operators should try to complete the survey.
 - (3) The PCGC is requesting input from industry stakeholders related to the SOC program for potential future program development and/or improvement.
 - (4) Survey period closes June 15, 2018.
- iv) 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/20180420/20180420-item-04b-nerc-standards-under-development.ashx>

5) Member Issues and Future Agenda Items

6) Future Meeting Dates*

Thursday, May 17 th , 2018,	10:00 AM	Meeting and WebEx
Friday, June 15 th , 2018 –	10:00 AM	WebEx
Friday, July 20 th , -2018 –	10:00 AM	WebEx
Thursday, August 16 th , 2018,	10:00 AM	Meeting and WebEx
Friday, September 21 st , 2018 –	10:00 AM	WebEx
Friday, October 19 th , 2018 –	10:00 AM	WebEx
Thursday, November 16 th , 2018	10:00 AM	Meeting and WebEx
Friday December 14 th ,	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. This meeting is being recorded for PJM training purposes, and participation in the meeting assumes consent

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.

Provide feedback on the progress of this group: [Facilitator Feedback Form](#) Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.