

Reliability Standards and Compliance Subcommittee

WebEx

Thursday, June 15, 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	Manager, NERC and Regional Coordination Dept.
Thomas Moleski, Secretary	Sr. Compliance Specialist, NERC and Regional Coordination Dept.
Art Iler	American Municipal Power, Inc.
Aubrey Short	FirstEnergy Solutions Corp.
Brett Denby	Northern Virginia Electric Cooperative
Becky Webb	Exelon
Thomas Buhler	Rockland Electric Company
Karyn Carter	Rockland Electric Company
David Brown	N. J. BPU
David Blackshear	Gridforce Energy Management, LLC
Doug Jerzycke	Exelon Generation Co., LLC
Jeremy Stout	Dominion Virginia Power
Jenjira Knernschiold	ODEC
Joseph Roettker	Duke Energy Ohio, Inc.
Joseph Smith	Public Service Electric & Gas Company
Jason Procniar	Ohio EC
Jacque Smith	Duquesne Light Company
Mary Terry	PEPCO Holdings
Mark Garza	FirstEnergy Solutions Corp.
Mary Ann Todd	Illinois Municipal Electric Agency
Nick Koehler	Appalachian Power Company
Rajesh Geevarghese	Exelon Business Services Company, LLC
Ryan Dolan	American Municipal Power, Inc.
Ryan Kirk	Appalachian Power Company
Sean Bodkin	Dominion Virginia Power
Sherri Johnson	First Energy Corp.
Thomas Cichowski	Duquesne Light Company
Wayne Van Liere	Louisville Gas & Electric Co./Kentucky Utilities Co.
Zainab Nawaz	N. J. BPU

PJM Staff:

Bilge Derin	Engineer, Real time Data Management
Kristen Foley	Paralegal, Reliability Compliance
Andrew Halpin	Co-Op, Reliability Compliance

Bill Harm	Sr. Consultant Reliability Compliance
Srinivas Kappagantula	Sr. Analyst, Reliability Compliance.
Mark Kuras	Sr. Lead Engineer, Reliability Compliance.
Chris Moran	Sr. Analyst, Reliability Compliance.
Chris Pilong	Manager, PJM Dispatch
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 April 20, 2018 Meeting Minutes (Mr. Moleski)

The April 20, 2018 Meeting Minutes were approved as presented.

2) PJM Compliance Activities

a) Manual Updates

- i) Manual 01 Revision 39 changes (Ms. Derrin)

(1) Ms. Derin outlined the changes to Manual 01

(a) New references to NERC Standards

(i) Section 2: TOP-001, TOP-003, – Section 4: COM-001, COM-002

(ii) Attachment B: EOP-008

(b) Revised sections for clarity and missing information

(i) Section 1.6: Markets Gateway

(ii) Section 3: Synchrophasor and EMS Data Exchange

(iii) Attachment A: Data Specifications

(c) New Language

(i) Section 3.2: ICCP data dump files required for PJM Members with an ICCP Connection

(ii) Attachment A: PAI Trigger as an optional service for generators

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

Mr. Moleski reported that there are NERC Standard Drafting Team vacancies at this time.

c) Control Center Certification Requirements (Mr. Moleski)

Mr. Moleski advised that it the responsibility of the Transmission Owners to decide if any planned EMS upgrades meet the criteria for Control Center Recertification, but recommended that RF Entity Development be contacted for discussion prior to the upgrade regarding possible recertification.

d) Review of DRAFT Compliance Bulletin 27 (CB027) NERC Standard TOP-001-4: Transmission Operations (Mr. Kuras)

Mr. Kuras reported that RF has advised that TOP-001-4 R20 and 21 should be included in the TO/TOP Matrix. PJM will add back the matrix language previously agreed upon for these requirements. As the standard will become effective July 1, 2018, a compliance bulletin will be issued with the matrix language until the TO/TOP can be updated.

e) Update on the SAR on the NERC Standards Efficiency Review (SER) project (Mr. Harm)

Mr. Harm outlined developments on the NERC Standards Efficiency Review (SER) project

- i) NERC Created SER Sub teams – Corresponding to standard time horizons
 - (1) Real-Time Operations
 - (2) Operations Planning Team
 - (3) Long term Planning Phase 1 Retirements
- ii) SER Teams
 - (1) Evaluated Reliability Standards using a risk-based approach to identify potential efficiencies through retirement or modification of particular requirements
 - (2) Discussing candidates for retirement and/or modification
 - (3) Team Chairs coordinating cross-over requirement
- iii) Phase 1
 - (1) Emphasis on retirements over modifications
 - (2) “Low Hanging fruit”
 - (a) All three teams agree that requirement should be retired
 - (3) SAR Posted Comments due COB Tues July 10th
- iv) Phase 1 retirements
 - (1) Consolidated SAR - 112 requirements retired
 - (a) Counts requirements of recommended standard retirements
 - (i) Bulk are Ops Planning
- v) Phase 2
 - (1) Alternatives to retirements are being discussed
 - (a) Initial results have identified about 190 additional requirements that are not essential for reliability that could be simplified, consolidated or transferred
 - (2) Could thereby reduce regulatory obligations and/or compliance burden

3) FERC Activities

a) Recent compliance related FERC activities

Mr. Kuras reported that FERC approved NERC Standards PRC-027 and PER-006. PRC-001 will retire in approximately two years when the other two standards become effective.

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) Draft Reliability Guideline: Inverter-Based Resource Performance

- (1) The Inverter-Based Resource Performance Task Force (IRPTF) developed this guideline to address potential reliability impacts of the changing resource mix connected to the Bulk Power System.
- (2) This guideline specifies recommended steady state and dynamic performance for inverter-based resources, and also covers a wide range of related aspects from protective functions to monitoring capability.
- (3) The material presented throughout this guideline is based on extensive discussions with industry experts and members of the IRPTF.
- (4) Comments are due by 06/29/2018.

ii) Standards Authorization Request (SAR): Standards Efficiency Review

- (1) The Standards Efficiency Review (SER) team used a risk-based approach to evaluate the reliability benefit of each NERC Reliability Standard Requirement.
- (2) Based on its analyses, the SER team is recommending the retirement of several Requirements. According to NERC, retiring these Requirements will increase efficiencies by reducing regulatory obligations and/or compliance burden.
- (3) Comments are due by 07/26/2018.

iii) Draft Reliability Guideline: Power Plant Model Verification for InverterBased Resources

- (1) The NERC Power Plant Modeling and Verification Task Force (PPMVTF) developed this guideline to support recommendations in the ERO Risk Priorities Report to address potential reliability impacts of the changing resource mix.
- (2) The guideline covers many of the potential tests that may be needed to develop or verify dynamic models related to the activities of MOD026-1 and MOD-027-1.
- (3) The material presented is applicable to Generator Owners, Generator Operators, Planning Coordinators, Transmission Planners, Transmission Operators, Reliability Coordinators, testing engineers, and other subject matter experts of the NERC MOD Standards pertaining to model verification and capability testing.
- (4) Comments are due by 07/26/2018.

- 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/20180615/20180615-item-04b-standards-under-development-reliability-compliance-update.ashx>

5) Member Issues and Future Agenda Items

6) Future Meeting Dates*

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 , 2018	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.