Reliability Standards and Compliance Subcommittee
WebEx
Thursday, July 19, 2019
9:00 am to 10:00 pm  EPT, Valley Forge, PA

1) Administration

   a) Call to Order (Mr. Walker)

   **Subcommittee Members:**
   - Mark Holman, Chair  Manager, Reliability Compliance Department.
   - Thomas Moleski, Secretary  Sr. Analyst, Reliability Compliance Department.
   - David Furek  Appalachian Power Company
   - Wayne Harcourt  Duke Energy Ohio, Inc.
   - Thomas Cichowski  Duquesne Light Company
   - Jenifer Wehner  Eon
   - Becky Webb  Exelon
   - Haibin Sun  Exelon
   - Quinn Morrison  Exelon Business Services Company, LLC
   - Ann Carey  FirstEnergy Solutions Corp.
   - Mark Garza  FirstEnergy Solutions Corp.
   - Mark Klohonatz  FirstEnergy Solutions Corp.
   - Richard Straight  FirstEnergy Solutions Corp.
   - Mike Ferguson  Indeck Energy Services Inc.
   - Brian Houser  PPL Electric Utilities Corp. dba PPL Utilities
   - Brenda Truhe  PPL Electric Utilities Corp. dba PPL Utilities
   - Michelle Longo  PPL Electric Utilities Corp. dba PPL Utilities
   - Reed Thompson  Public Service Electric & Gas Company
   - Thomas Buhler  Rockland Electric Company

   **PJM Staff:**
   - Kristen Foley  Paralegal, Reliability Compliance
   - Michael Herman  Sr. Engineer, Transmission Planning
   - Srinivas Kappagantula  Sr. Analyst, Reliability Compliance
   - Mark Kuras  Sr. Lead Engineer, Reliability Compliance
   - Preston Walker  Sr. Analyst, Reliability Compliance

   b) Review of Administrative Documents (Mr. Walker)
      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. Walker)**
The Agenda was approved as presented.

d) **Approval of the May 16, 2019 Meeting Minutes (Mr. Walker)**
The May 16, 2019 Meeting Minutes were approved as presented.

### 2) PJM Compliance Activities

a) **NERC Standard Drafting Team Vacancies (Mr. Walker)**
Mr. Walker advised that there are no vacancies at this time.

b) **PJM O&P Audit Overview (Mr. Walker)**
Mr. Walker provided an update on PJM’s upcoming Operations and Planning Audit by ReliabilityFirst, including the audit timeline, a controls review update, PJM deliverables, and key dates.

c) **CIP-002, CIP-014 Updates (Mr. Walker)**
Mr. Walker advised that new letters will be sent soon. No facilities have been added; some facilities will be removed.

### 3) FERC, NERC, and Regional Activities

a) **Committee Updates**
Mr. Walker advised that there were no committee updates.

b) **TPL-001-5 FERC NOPR (Mr. Herman)**
Mr. Herman advised that there is a currently an open FERC Notice of Proposed Rulemaking (NOPR) for TPL-001-5, which will replace TPL-001-4. This standard had previously been approved by NERC, but was sent back for more review and comment by FERC. The comment period for this NOPR closes 8/26/2019. Everyone is encouraged to review and submit comments.

c) **Standards Under Development (Mr. Walker)**
   i) **Draft Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources**
      (1) This guideline serves as a resource for TOs to consider as they continually develop and enhance interconnection requirements per FAC001-3 and interconnection study requirements per FAC-002-2.
      (2) Comments are due 7/24/2019.
      (3) PJM agrees with recommendations.
   ii) **Draft Reliability Guideline: Parametrization of the DER _A Model**
       (1) This reliability guideline provides background on the DER modeling framework previously proposed in other NERC Reliability Guidelines, information on relevant interconnection,
how the DER_A model parameters can be modified to account for a mixture of vintages of inverter-interfaced DER.

(2) Comments are due 8/7/2019.

(3) PJM will provide comments.

iii) Workshops

(1) Standards and Compliance Workshop – July 23–24, 2019, Minneapolis, MN
(2) Electromagnetic Pulse Task Force Workshop – July 25, 2019, Atlanta, GA
(3) GridSecCon 2019 – October 22–25, 2019, Atlanta, GA
(4) Probabilistic Analysis Forum – December 11–13, 2019, Atlanta, GA

iv) Webinars

(1) Electromagnetic Transient Simulations for Large-Scale Systems Studies with High Penetration of Inverter-Based Resources – 4:30–5:30 p.m. Eastern, August 12, 2019

v) 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/20190719/20190719-item-03c-nerc-and-regional-update-standards-under-development.ashx

4) Member Issues and Future Agenda Items

5) Future Meeting Dates*

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Type</th>
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<tbody>
<tr>
<td>Friday, October 18th</td>
<td>10:00 AM</td>
<td>WebEx</td>
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<tr>
<td>Thursday, November 14th</td>
<td>10:00 AM</td>
<td>Meeting and WebEx</td>
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<tr>
<td>Friday December 13th</td>
<td>10:00 AM</td>
<td>WebEx  *</td>
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* out of sync to avoid a holiday conflict.

* 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.