DRAFT
MINUTES
PJM Interconnection
Reliability Standards and Compliance Subcommittee

Monthly WebEx
Friday, June 21, 2013
10:00 A.M. EDT

1. Call to Order:
Reliability Standards and Compliance Subcommittee Acting Secretary Bradley Hofferkamp called the meeting to order at 10:00 a.m.

a. Members Attending in Person:
Stephanie Monzon (Chair)  PJM Interconnection
Bradley Hofferkamp (Acting Secretary)  PJM Interconnection
Eric Adolphson  Cape May Holdings
Scott Berry  Indiana Municipal Power Agency
Kathy Cagnion  Vineland Electric
Hugh Conley  First Energy Corporation
Daniel Duff  Liberty Electric
Brenda Frazer  Edison Mission Marketing and Trading, Inc.
Mark Godfrey  PEPCO Holdings, Inc.
Wayne Harcourt  Duke Energy
Stacey Harman  Baltimore Gas and Electric Company
Doug Holbaugh  FirstEnergy Corporation
Christopher Hoopes  Baltimore Gas and Electric Company
Doug Jerzycke  Exelon Generation Co., LLC (Power Team)
Derek Kassimer  Duquesne Light Company
Bruce Krawczyk  Commonwealth Edison Company
Soo Jin Kim  NERC
Connie Lowe  Dominion
Gregory Miller  Baltimore Gas and Electric
Jeff Mueller  Public Service Electric & Gas Co.
Chris Norton  American Municipal Power
Larry Raczkowski  FirstEnergy Corporation
John Reed  FirstEnergy Corporation
Bruce Samblanet  Appalachian Power Company
Chris Scanlon  Commonwealth Edison Company
Thomas Smith  City of Cleveland, DPU, Div of C.P.P
John Silke  
Public Service Electric & Gas  

Robert Thomas  
Illinois Municipal Electric Agency  

Dave Thorne  
PEPCO  

Brenda Truhe  
PPL Elect. Utilities Corporation d/b/a PPL Utilities  

Wayne VanLeer  
LGE/KU  

Patrick Woods  
East Kentucky Power Cooperative, Inc.  

b. PJM Staff:  
Mike Bryson  
PJM Interconnection  

John Collier  
PJM Interconnection  

Albert M. DiCaprio  
PJM Interconnection  

Brad Gordon  
PJM Interconnection  

William Harm  
PJM Interconnection  

Mike Herman  
PJM Interconnection  

Bradley Hofferkamp  
PJM Interconnection  

Nakul Jain  
PJM Interconnection  

Srinivas Kappagantula  
PJM Interconnection  

Frank Koza  
PJM Interconnection  

Mark Kuras  
PJM Interconnection  

Megan McLaverty  
PJM Interconnection  

Medha Pai  
PJM Interconnection  

Mark Sims  
PJM Interconnection  

Christopher Smart  
PJM Interconnection  

Dave Souder  
PJM Interconnection  

Cathy Wesley  
PJM Interconnection  

c. Administrative Documents  
Mr. Hofferkamp referred to the Antitrust Guidelines, the Compliance Disclaimer, and the Media Guidelines that were included with the Agenda. There were no questions on the documents as presented.  

d. Approval of the Agenda  
Mr. Hofferkamp called for additions to the agenda.  
1) No additions were suggested.  

e. Minutes  
The minutes from the May 16, 2013 meeting were approved as presented.  

2. FERC Activities:  
Ms. Monzon led a discussion on recent FERC activities:  
1) The FERC NOPR on GMD will be discussed in detail later by Mr. Koza.
2) Paragraph 81 NOPR
   i. Proposal to remove 34 requirements (redundant or administrative in nature).
      1. RFC has already given notice of their intent to remove them from their CMEP.
   ii. Proposal to retire 41 outstanding Directives from Order 693
   iii. Ms. Monzon will e-mail to the RSCS distribution list.

3) BES Extension Implementation
   i. PJM will assemble an internal team to work with the tool and the Transmission Owners to better understand the implications. It is planned to have this work done well in advance of the implementation date.

3. NERC Activities:
   Tom Bowe stepped down as Chair of the NERC Operation Committee, and was replaced by Jim Castle. ISO representative is Ken McIntire from ERCOT. Jeff Mitchell (RFC) was rotated off the Chairmanship of the Planning Committee and Ben Crisp from FRCC will replace him. Dave Weaver (PECO) will be the vice-chair.

   Standards under development:
   1) VAR-001 & VAR-002
      i. Jin Kim Soo (NERC Standards Development) gave a high level overview of the previous week’s webinar. An informal group has been assembled to address the concerns that have been raised.
      ii. VAR-001
         1. Currently the Standard requires an LSE who is purchasing power to buy the corresponding reactive power with it. Supported by a recent NOPR on Paragraph 81, the group is going to recommend that this requirement be eliminated.
      iii. VAR-002
         1. Most concerns center around the monitoring generator voltages. It is the intent of the group to not require the GOP to call the TOP as soon as the unit goes off schedule. Rather, the owner will be required to call only when a limit has been reached that will not allow further voltage control.
         2. Brief outages of the AVR (< 15 minutes) will not require a call to the TOP.
         3. Allowance of an automatic exemption (no call required) during system wide high voltages is being contemplated.
      iv. The SDT will be given the results of the informal group’s work shortly. Still open spaces on the SDT to be filled. Call Jin Kim Soo if you are interested.
      v. Call Bill Harm, Scott Berry, or Jin Kim Soo with any comments.

2) Project 2007-06 System Protection Coordination
   i. The System Protection Coordination Standard Drafting Team (SPC SDT) created a new results-based standard, PRC-027-1, with the stated purpose ‘to coordinate Protection Systems for Interconnected Elements, such that Protection System components operate in the desired sequence during Faults.’ This standard
incorporates and clarifies the coordination aspects of Requirements R2 and R3 from PRC-001-2 (formerly R3 and R4 of PRC-001-1).

ii. The 3rd draft of PRC-027-1 and a revised PRC-001 are posted for a 30-day formal comment period from 6/4/13 – 7/3/13. The successive ballot and non-binding poll are scheduled to run from 6/24/13 – 7/03/13. The ballot of PRC-001-3 is associated with the approval of PRC-027-1 and the implementation plan for this project.

iii. Relay Subcommittee noted very little change from the previous version, and is dissatisfied with these latest results.

iv. PJM is working with the SRC to develop comments. Ms. Monzon asked anyone with additional comments to contact her.

3) Project 2007-11 Disturbance Monitoring

i. This project was brought back to the formal development January, 2013. The drafting team revised the SAR and is posting the revised SAR for a 30-day informal comment period from May 3, 2013 through June 3, 2013. An industry webinar is scheduled for May 22, 2013 and workshops are tentatively scheduled for the last week of July and the first week of August. The locations for the workshops have not yet been determined. Announcements will be sent out once locations have been selected.

ii. To support this effort, a voluntary Request for Information is out for the TOs and GOs to provide three phase bus fault magnitudes for all busses operated at 100kV and above.

iii. Proposal contains a request for the PC to do a study to determine where these devices should be located.

iv. PJM worked with the SRC to develop comments. Generally, it was felt that NERC had other existing means of gathering operational data in the Rules of Procedure. Most felt it did not need to be in a Standard.

4) Project 2010-17 Proposed Definition of Bulk Electric System

i. FERC extended the Bulk Electric System definition and the Rules of Procedure exception process effective dates from July 1, 2013 to July 1, 2014.

ii. The final Phase 1 technical reference document is posted on the NERC BES Resources page and has been provided to each of the regional entities. The document is also posted on this project page for reference.

iii. The Standards Committee approved the SAR for Phase 2 development on April 12, 2012 and approved a Supplemental SAR to allow the SDT to respond to the directives in Order 773 on January 16, 2013. The SDT was waiting on two items before it made an initial posting for Phase 2:

1. The final report from the Planning Committee on the technical justification of threshold values

2. FERC action on rehearing of Order 773.

iv. Two directives must be addressed in Phase 2:
1. The revised BES definition must make certain that generator interconnection facilities are not improperly excluded for radial systems and local networks.
2. The 100 kV floor for the local network exclusion must be removed.

5) COM-003 (Ms. Monzon)
   i. New language in Requirement 2 discusses the possibility of a reliability issue that is caused by the miscommunication of a Reliability Directive. Measurement and compliance seems questionable.
   ii. PJM is developing comments and will keep the RSCS informed
   iii. Ballot will be from July 10 – July 19th.

4. Regional Entities Activities:
   Ms. Monzon reported that there were no new Regional Entity activities to report.

5. NERC and Regional Coordination Dept. Compliance Activities:
   Ms. Monzon led a discussion on the following compliance activities
   1) Kenzie Creek in active settlement negotiations
   2) Upcoming TO/TOP Audits
      i. BGE – July 22
      ii. Dominion – August 12
      iii. PECO – September 23

6. Member Issues:

1) Standing Updates:
   i. Matrix Task Force Update (Mr. Kuras)
      1. First meeting for the new version of the TF was in May. Next meeting is this afternoon by Conference Call.
      2. Additional standards that have not yet been approved by FERC will be included in future versions to try to maximize preparation time by the TOs before implementation.
      3. Mr. Kuras clarified that requirements and sub-requirements that were not included in the matrix were generally an indication that the entire responsibility was borne by PJM (as the TOP)
   ii. PJM Manual Updates (Mr. Bryson)
      1. Mr. Collier provided an update on Manual 1, where many of the IRO-010 requirements have been removed as a result of the decision to use an attestation by PJM for TO compliance.
      2. Mr. Baranowski briefly discussed the changes to Manual 01 that are necessary to place PJM EMS Data Terminals in the TOs control centers. Changes involve allowed locations, physical security, and access.
3. Mr. Bryson gave an update on the recent re-release of Manual 13. This occurred because one of the load shed tables did not get updated before its original release on 6/1.

4. Mr. Bryson announced that Manual 36 was released on the previous day with an effective date of 6/20.

iii. FERC Audit Update (Ms. Monzon)

1. April quarterly report detailed that 77% of the action items have been closed. Remaining items are mainly low impact or long term projects. No substantive issues remain. Next report due July 31.

2) GMD Guidelines (Mr. Koza)

i. FERC issued an order on GMD requiring NERC to prepare two sets of staged standards.

ii. First stage requires entities to have operating procedures to deal with GMD. Second stage requires entities to have done an assessment of the transmission system’s ability to withstand GMD, and to develop appropriate mitigation plans.

iii. FERC has targeted 2014 for stage one implementation, 2015 for implementation for stage two.

iv. Mr. Koza is the Chair of the NERC SDT that was formed to respond to this order. They have already met and produced a draft SAR and a draft standard for Stage one. 
   1. Draft standard will be forwarded to the NERRC Standards Committee in the next week. Could be posted for comment by the industry in July.
   2. As of now, the draft standard is applicable to RCs BAs, and TOPs. That could expand to TOs and GOs.
   3. RCs BAs, and TOPs will be required to have procedures to deal with GMD. RC will be the coordinator.

3) PRC-023-2 (Mr. Herman)

i. Transmission Relay Loadibility Study that PJM does annually to develop a transmission facility list to comply with R6.
   1. All Circuits over 100kV have been evaluated.
   2. Manual 14 language has been appropriately
   3. Approved the MRC at their May 23rd meeting.
   4. Lists have been distributed to all of the impacted entities. Only Transmission Owners were impacted. No generation facilities were listed.

4) Planning evaluation of PJM high voltage operations (Mr. Sims)

i. PJM operations personnel approached PJM Planning with a request to study real time high voltage conditions on the system.

ii. Concentrated in eastern MAAC

iii. Operations cases were used by planning personnel to size and site reactors throughout the system.

   1. TO personnel consulted closely with modeling issues.

iv. Several proposals have been forwarded to the Transmission Expansion Advisory Council, all with the backing to the respective Transmission Owners.
v. Final approval expected in the Fall of 2013

5) RFC Feedback to recent changes to PJM Manual 3 (Mr. Souder)
   i. RFC concerned with PJM’s cutoff of 75 MW for applicability to the voltage requirements. The current standard uses a cutoff of 20MVA or greater. PJM’s recommendation is to change the manual to match the more stringent criteria in the standard. SOS and OC have discussed and endorse this change. PJM hopes to be able to accomplish this in the next scheduled M03 release on December 1, 2013. Mr. Souder will review these changes w/ the RSCS when they become available.

6) PJM’s Critical Infrastructure Protection (CIP) Audit (Ms. Pai)
   i. Originally scheduled for 5 days, completed in 2 ½. Several conference Calls during the 90 day pre-audit window facilitated this
   ii. Two separate teams, but the teams were accommodating about double booking SMEs
   iii. Two items were self reported during the 90 day pre-audit window that were ultimately considered potential violations discovered during the audit.
   iv. One CIP-006 and one CIP-003 issue were also determined to be potential violations.

7) CIP v4 and CIP v5 (Ms. Pai)
   i. FERC issued a NOPR stating their intent to skip version 4 and move directly to version 5.
   ii. Ms. Pai asked for comments on this move. Few members chose to comment, but those who did were generally supportive.

8) Manual 14d Changes (Mr. Schweizer)
   i. M14d has been through the appropriate committees, and is going to the MRC for endorsement next week.
   ii. The vast majority of changes are wording changes and do not represent substantial changes in PJM operations. (updated references, etc.)
   iii. Section 7 has significant changes to accommodate VAR-002-1.1b (effective 7/1/13) and voltage regulator status.
   iv. Section 8 describes the new checklist for Wind Farm dispatchability. This checklist is included as Attachment M, and was developed with the cooperation of the Intermittent Resources Task Force (IRTF) Outlines requirements in the following areas:
      1. Communications
      2. Controls
      3. Markets

9) Manual 36 Changes (Mr. Schweizer)
   i. Endorsed by the MRC in late May.
   ii. Addresses changes necessitated by EOEP-005-2 (Effective 7/1/13) Most changes deal with the coordination of restoration plans.
8. **Future Meeting Dates:**

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

   The next meeting will be a WebEx on July 19th. Details will be announced and posted to the PJM website.

2013 RSCS Meeting Dates:

1) **Friday July 19th, 2013** – WebEx  
2) **Thursday August 15th, 2013** – Face to Face  
3) **Friday September 20th, 2013** – WebEx  
4) **Friday October 18th, 2013** – WebEx  
5) **Thursday November 21st, 2013** – Face to Face  
6) **Friday December 20th, 2013** - WebEx

9. **Adjourn:**

   Ms. Monzon adjourned the meeting at 12:19.