



Meeting Minutes
PJM Interconnection
Joint System Operations Subcommittees –
Generation and Transmission
PJM Service Center, Room S-1
September 9, 2009
9:00 a.m. EDT

Transmission Members Present:

Mike Bryson, Chair	PJM Interconnection
Chris Pulong, Secretary	PJM Interconnection
Doug Myers	PPLEU
William Skumanich	PPLEU
Dave Lloyd	UGI Utilities Inc
Steve Alexander	PEPCO (PHI)
Dave Mahler	Duquesne Light Company
Bill Keagle	Baltimore Gas and Electric

Generation Members Present:

Mark Gear	Exelon Generation Co, LLC
Rich Brown	FirstEnergy Regulated Commodity Sourcing
Ken Keilholtz	RRI Energy
Mark Heimbach	PPL Martins Creek, LLC
Steve Kimmish	PSEG Energy Resources and Trade LLC

Transmission Members present via conference call

Jaclyn Plale	ACE and Delmarva Power & Light Co
Ron Schloendorn	Exelon Energy Company (PECO Energy)
Ron Wharton	PSE&G
Cono Ragone	PSE&G
Jeff Boltz	First Energy Corp.
Randy Stine	First Energy Corp.
Tom Buhler	Rockland Electric Company
Ralph Cannon	Allegheny Power
Bob Fanin	Dayton Power and Light Co
Randy Hunt	Virginia Electric Power Co
John Garavaglia	Commonwealth Edison Company
Bruce Samblanet	AEP
Ernie Griggs	Neptune Regional Transmission System, LLC



Generation Members Present via conference call

Charles Bonner
Larry Curtis
Stephen Knapp
Eddie Martinez
Dave Mramor
Richard Plutschak
Ron Ryckman
Christina Rodi
Tim Talmadge

Virginia Electric & Power Company
Conectiv Energy Supply, Inc
Constellation Power Source Generation
Dominion Energy Marketing, Inc
Allegheny Energy Supply Company, LLC
Easton Utilities Commission
Ameren Energy Marketing
Dominion Energy Marketing, LLC
Dominion Energy Marketing, LLC

Also present

Dave Souder
Stan Williams
Glen Boyle
Mike Hoke
Ray Gross
Leanne Harrison
Bill Herbsleb
Jianzhong Tong
Chad Hutchinson
Sanjay Patil
Mike Sitarchyk (via phone)
Mark Holman (via phone)
Eric Endress
Lamine Kone

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1. ADMINISTRATION

- A. The Agenda for this meeting was approved.
- B. The Draft Minutes of the August 12, 2009 SOS Joint Meeting were approved.

2. REVIEW OF OPERATIONS

- A. Mr. Bryson gave an update of System Operations for the month of August.
 - a. CPS1 144.0%, BAAL 99.7% (NERC 100%), CPS2 90.6%, DCS 100%.
 - b. It was noted that the August 2009 load was higher than August 2008 load despite the lower summer forecast. The difference was attributed to mild temperatures in August of 2008.



- c. Mr. Bryson provided a high level overview of the PJM EMS failure on 9/7 @2200hrs. The first indication of a problem was that the ACE wasn't updating. All other EMS and PI functions appeared normal, but with stale data. EMS BUCC was also experiencing the same issues. The TOs were asked to monitor their own systems. PJM did fail over to the BUCC EMS at ~2300hrs, which had accurate data. The entire event lasted approximately 90 minutes. An EIP Level 2 investigation has been initiated by PJM to determine the root cause of the problem.

B. Member Operational Issues

- a. Mr. Heimbach questioned the 90-degree temperature trigger for issuing the Hot Weather alerts, given that 11 were issued for August. The SOS members echoed the concerns that the triggers should be reviewed and that 90-degrees as a trigger alone may not be sufficient. A suggestion was made to incorporate projected load levels and transfers as additional inputs. Mr. Bryson will review the Hot Weather alert language in PJM Manual M-13 and propose changes.

3. WORKING GROUP UPDATES

- A. eDART User Groups – No update provided.
- B. Black Start Working Group (BSWG) – No additional BSWG meeting have been held since the previous SOS meeting. The group is awaiting FERC response before meeting again.
- C. Dispatcher Training Task Force (DTTF) – Mr. Gross gave an update from the DTTF, focusing on the 2010 Seminar draft schedule.

4. SYSTEM OPERATOR TRAINING AND CERTIFICATION

Mr. Gross reviewed the results of System Operator Training and Certification reporting using LMS.

Of the 56 MOCs:

- Training non-compliant 6 companies, 4 with mitigation plans
- Certification non-compliant 7 companies, none with mitigation plans

Of the 17 LCCs:

- Training non-compliant 1 company, 1 with mitigation plan
- Certification non-compliant 1 company, 1 with mitigation plan

5. 2010 PJM SEMINAR DISCUSSION

Mr. Bryson and Mr. Gross led the SOS in a discussion of member concerns with the growing number of attendees at the PJM Seminar. It was proposed that a joint DTTF and SOS team work to address the concerns with the growing size of the class for the 2011 and future seminars.



6. PJM CERTIFICATION REQUIREMENTS FOR SMALL GENERATOR OPERATORS

Mr. Boyle reviewed proposed changes to PJM M-40 pertaining to the certification requirements for small generator operators. The proposed changes would impact 13 generating companies, which account for 442MWs of total generation across the RTO. Mr. Heimbach and Mr. Boltz voiced concerns that with relaxing the rules for certification. The changes will be brought through the committee structure for approval.

7. NERC FREQUENCY RESPONSE INITIATIVES

Mr. Herbsleb reviewed a presentation from NERC regarding future frequency response concerns due to new technologies associated with the Smart Grid and other intelligent control system changes. Potential changes to frequency reporting requirements were reviewed. Mr. Herbsleb asked that Generator Owners confirm with their plants that following basepoint signals are not interfering with governor response.

8. TRANSIENT STABILITY ANALYSIS (TSA) BENCHMARKING

Dr. Tong reviewed the results of the joint PJM/PSE&G benchmarking effort of the TSA tool and the proposed next steps to move towards operational implementation. The TSA tool will be taken through the Committee structure this month. PJM will then coordinate with the impacted TOs and GOs to implement the tool on a stability area by stability area basis.

9. NERC/RFC/SERC STANDARDS AND COMPLIANCE UPDATE

A. Ms. Harrison gave an update on NERC, SERC, RFC and NAESB Regional Standards, highlighting PJM's positions on any proposed changes. It was noted that the Relay Subcommittee has recommended a Generator Relay Subcommittee be created. Members interested in joining should contact Susan McGill at PJM. Mr. Heimbach requested an email notification for this committee be sent to the SOS members.

The first meeting of the Reliability Standards and Compliance Subcommittee will be held on 11/4/09. The committee information is posted to the pjm.com website.

B. The SOS will address any ongoing member issues regarding NERC/RFC Audits.

10. AC2 UE&V UPDATE

Mr. Hutchinson gave an overview of the progress to date on the User Experience and Visualization (EU&V) project. This will be utilized in both AC2 and C1.



11. COMMON MODE IMPACT CONTINGENCY REPORTING

In accordance with the TO/GO Critical Asset Determination document, each GO is required to notify PJM by April 1st of any Common Mode Impact contingencies for inclusion in the Summer OATF analysis. A reminder will be provided by the PJM OATF rep each year at the SOS Joint Committee meeting.

12. GENERATOR REACTIVE TESTING

Mr. Souder gave an update on the reactive testing process.

13. RFC CIP COMMITTEE

There was nothing to report.

14. MANUAL UPDATES

Pending appropriate Committee approval, the target date to publish all manual changes below is 10/1/09. Mr. Boyle will develop a training presentation to review the manual changes.

A. Mr. Bryson reviewed changes to Manual M-01.

It was highlighted that language was added to use the term "directive" to clarify communications as need. Mr. Talmadge voiced concerns that were echoed by other members with the ability to distinguished directives from requests, and to track all issued directives. Mr. Bryson responded that PJM will only track directives issued that are not followed. PJM will not require the use of the term "directive" due to operational restrictions this may impose.

It was noted that a standards drafting team is working on language that may impact the requirements for following directives. Mr. Heimbach requested that the standards drafting team contacts that are working on "directive language requirements" be sent out to the SOS members.

B. Mr. Souder reviewed changes to Manual M-03.

C. Mr. Bryson reviewed changes to Manual M-3a.

D. Mr. Souder reviewed changes to Manual M-10 as part of the annual review process. Mr. Keagle questioned if the term "transmission providers" is clear enough. Mr. Souder will review and modify if required.

Mr. Heimbach questioned if the intermittent resource outage reporting requirement of 1MW for 1HR is a requirement for all generators. Mr. Souder reported this only applies to equipment failure of intermittent resources, which will help improve generation forecasts.



- E. Mr. Bryson reviewed changes to Manual M-12 as part of the annual review process.
- F. Mr. Bryson reviewed changes to Manual M-13.
- G. Mr. Bryson, Mr. Patil and Mr. Schweizer reviewed changes to Manual M-14D.
- H. Mr. Bryson reviewed changes to Manual M-36.
- I. Mr. Bryson reviewed changes to Manual M-37.
- J. Mr. Bryson reviewed changes to Manual M-38.
- K. Mr. Bryson reviewed changes to Manual M-39 in support of NUC-001. The effective date of this manual will be 4/1/2010.

15. FUTURE AGENDA

- A. Reactive Curve Verification - Reoccurring
 - 1) Generator semi-annual review (October / April)
 - 2) LCC semi-annual review (November / May)
 - 3) Reactive Testing Update –Sanjay Patil
- B. Quarterly Reactive Analysis (Feb, April, July/August, October) – Bill Herbsleb
- C. Quarterly AC2 Project Update (March, June, September, December) – Dave Vicini
- D. Annual Review of Manuals M-01 (March), M-03 (April), M-13 (May), M-36(June), and M-12 (July) as well as all Restoration Manuals (April or May)
- E. PJM Congestion Management/Post Contingency Congestion Management Facility submission Deadline (November) – Reoccurring
- F. SOS Charter Review – Annual (July)
- G. Manual M-03 section 5 procedure review for CIP - (August)

16. FUTURE MEETINGS AND DRILLS

2009 Drills

September 23 - 24, 2009

September 30 – October 1, 2009

October 7, 2009

Fall Restoration Drill – Dominion

Fall Restoration Drill – AEP, Dayton and OVEC

Fall Restoration Drill – JC and AE



October 13, 2009
October 14 - 15, 2009
October 20 - 21, 2009
October 22, 2009
October 27 - 28, 2009
November 4, 2009
November 4 - 5, 2009
November 10, 2009

Fall Restoration Drill – PPL and UGI
Fall Restoration Drill – PEPCO & BGE
Fall Restoration Drill – PS, DPL and Rockland
Fall Restoration Drill – PECO and MetEd
Fall Restoration Drill – ComEd, MISO and Duquesne
Fall Restoration Drill – PN
Fall Restoration Drill – APS
Winter Emergency Procedures Drill (back-up Nov. 17)

2009 Meetings

September 9, 2009	9:00 AM	PJM Interconnection
October 14, 2009	9:00 AM	Conference Call
November 11, 2009	9:00 AM	PJM Interconnection
December 9, 2009	9:00 AM	Conference Call

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DMS Document Number: 552823 v1