



**Meeting Minutes**  
**PJM Interconnection**  
**Joint System Operations Subcommittees –**  
**Generation and Transmission**  
**Conference Call**  
**June 10, 2009**  
**9:00 a.m. EDT**

Transmission Members Present:

Mike Bryson, Chair	PJM Interconnection
Chris Pulong, Secretary	PJM Interconnection
Doug Myers	PPLEU
Bill Keagle	Baltimore Gas and Electric
Dave Lloyd	UGI Utilities Inc
Steve Alexander	PEPCO (PHI)
Vic Davis	ACE and Delmarva Power & Light Co

Transmission Members present via conference call

Ron Schloendorn	Exelon Energy Company (PECO Energy)
Dave Mahler	Duquesne Light Company
Ron Wharton	PSE&G
John Niola	First Energy Corp.
Tom Buhler	Rockland Electric Company
Ed Dinda	Allegheny Power
Don Gebele	Dayton Power and Light Co
Randy Hunt	Virginia Electric Power Co
Mark Klohonatz	Allegheny Power
Ron Regner	Commonwealth Edison Company
Bruce Samblanet	AEP
Ernie Griggs	Neptune Regional Transmission System, LLC

Generation Members Present via conference call

Mark Heimbach	PPL Martins Creek, LLC
Charles Bonner	Virginia Electric & Power Co
Eric Bryant	FirstEnergy Solutions Corp
Frank Dinsmore	Appalachian Power Co
Mark Gear	Exelon Generation Co, LLC
Melanie Mancuso	Allegheny Power
Tim Talmadge	Dominion Energy Marketing, Inc
Bob Pleiss	Constellation Power Source Generation
Steve Kimmish	PSEG



Also present

Frank Koza	PJM Interconnection
Dave Souder	PJM Interconnection
Glen Boyle	PJM Interconnection
Mike Hoke	PJM Interconnection
Ron DeLoach	PJM Interconnection
Leanne Harrison	PJM Interconnection
Susan McGill	PJM Interconnection
Sanjay Patil	PJM Interconnection

**1. ADMINISTRATION**

- A. The Agenda for this meeting was approved.
- B. The Draft Minutes of the May 13, 2009 SOS Joint Meeting were approved with changes.

**2. REVIEW OF OPERATIONS**

- A. Mr. Bryson gave an update of System Operations for May 2009
  - a. CPS1 148.7%, BAAL 99.7% (NERC 100%), CPS2 91.3%, DCS 100%
- B. Member Operational Issues
  - a. BGE reported both the 2344 and 2345 circuits are in-service at full ratings.

**3. WORKING GROUP UPDATES**

- A. eDART User Groups – Mr. DeLoach gave an update on eDart changes that will be implemented on Saturday 6/13/09. Additional details are available on the EDUG website under the meeting slides.
- B. Black Start Working Group (BSWG) - Mr. Bryson reported that FERC responded to the cost recovery Tariff filing and requested some clarifications and changes. The changes will be discussed at the next BSWG meeting.
- C. Dispatcher Training Task Force (DTTF) – Mr. Hoke reported that the Seminar presentation will be available in the LMS system this week.

**4. SYSTEM OPERATOR TRAINING AND CERTIFICATION**

Mr. Hoke reviewed the results of System Operator Training and Certification reporting using LMS. Out of 53 MOCs, 5 were non-compliant with respect to certification, 2 have mitigation plans. With respect to training, 6 MOCs were non-compliant, 3 have mitigation plans



Out of 17 LCCs, all were compliant with respect to certification. One was non-compliant with respect to training, but has a mitigation plan.

## **5. SUMMER EMERGENCY PROCEDURES DRILL REVIEW**

Mr. Ciabattoni provided a debrief of the Summer Emergency Procedures Drill. Tracking options to achieve 100% member participation are being explored.

To enhance back-up communications and support compliance, Mr. Bryson proposed sending the weekly satellite call test results to all SOS Members. The SOS supported this proposal.

Mr. Myers raised questions regarding a summary letter that must be sent to PJM to receive credit for the drill. Mr. Ciabattoni will review this with the training department for changes to simplify this process.

## **6. NERC/RFC/SERC STANDARDS AND COMPLIANCE UPDATE**

A. Ms. Harrison gave an update on NERC, SERC, RFC and NAESB Regional Standards. PJM comments/positions on the standards were reviewed. PRC-023-1 was highlighted as a standard that all members should review and comment on.

The TO Matrix rework is on-going. The last meeting was held on 5/28/2009. The revised document will be vetted through the PJM OC and PC before moving to the TOA-AC for approval.

B. The SOS will address any ongoing member issues regarding NERC/RFC Audits.  
i. Mr. Regner raised questions regarding IRO-001 and the issue of "directives". Ms. Harrison noted that new RSAWs have been posted that require the TO to list all directives from the RC in the past year and show compliance for this standard. PJM Manual 1 Section 4 was also noted as a reference to provide clarity to the members regarding PJM issued directives. PJM will continue to work with the members to further define Manual 1 as needed to ensure compliance.

## **7. PROPOSED PJM CERTIFICATION CHANGES**

Mr. Boyle reviewed proposed PJM Certification requirement changes based on recent Job Task Analysis evaluations. Changes were proposed for "small generation operators" and "transmission facility operators".

Mr. Keagle and Mr. Heimbach requested additional clarifications be made regarding the naming and definition of a Small Generator Operator. Mr. Heimbach also expressed concerns about Small Gen Owners being exempt from PJM Certification, citing PJM Issued directives as an example. Participation in the drills was also requested. Other members echoed the concerns that Gen operators may not be properly trained to understand and respond to emergency situations. Mr.



Boyle noted that the new requirements to complete GEN 101, GEN 201 and OPS 101 training prior to taking shift should address these concerns. Concerns regarding PJM issued directives and compliance were also raised if exemptions are allowed.

Endorsement vote for Small Generation Owner changes:

All SOS-T Members support the endorsement.

4 Generation members did not endorse the changes as written, but 3 agree to support if the concerns raised at the meeting were addressed.

Endorsement vote for Transmission Facility changes

All SOS-T Members supported the endorsement.

1 SOS-G Member did not support the change. 2 SOS-G Members abstained from voting

Endorsement vote for small LCC Changes:

8 SOS-T Members did not support the endorsement

1 SOS-G Member abstained.

## **8. NERC NUCLEAR PLANT INTERFACE STANDARD**

Nuclear Generation Owner User Group members discussed plans to comply with NUC-001 including timeframe to publish Manual 39: Nuclear Plant Interface Coordination, intent of Attachment B: Plant Specific Requirements, and next steps to share plant specific NPIR with PJM and Transmission Owners.

Manual 39 is targeted to be published by the end of July 2009, with an effective date of 2/1/2010 prior to implementation of NUC-001 on 4/1/2010. Comments from the SOS members on the manual should be sent to Dave Souder by the end of June 2009.

## **9. PJM MANUAL 3 SECTION 5 – CRITICAL INFORMATION PUBLIC**

Following concerns raised at the May OC Meeting, Mr. Souder gave a status report on the effort to limit the level of confidential information within M03 Section 5, while still providing sufficient details for PJM market participants and external operators. Options moving forward are to reduce the information in the Manual, develop a common template for procedures in the manual, or develop a secure common portal.

The SOS G and T members were requested to review their applicable procedures in M-03 Section 5 and submit changes by the end of July 2009 to PJM for inclusion in a revised manual. Discussion of the revised manual will be targetted for August 2009.



**10. 2007 PJM BULK POWER FACILITY AND MULTIPLE TRIP AND MISOPERATIONS REPORT**

Mr. Frank Hartley reviewed the 2007 PJM Bulk Power Facility and Multiple Trip and Misoperations report from the Relay Subcommittee with the SOS.

**11. PJM “HIGH VOLTAGE” EMERGENCY MESSAGE CLARIFICATION**

A. Mr. Bryson reviewed the changes to the “High Voltage” All Call message that was requested to be changed by the SOS at the May 2009 meeting. The SOS agreed that PJM Manual M-13 should be updated with Warnings, Alert and Actions for the steps to respond to high voltage. The All Call will be changed to a high level message.

B. Mr. Benner gave a detailed reactive review of the 4/21/09 system conditions when high voltages were observed across the RTO.

**12. PJM EMS IN THE TO CONTROL ROOMS**

Mr. Baranowski and Mr. Holman gave an update on the project to display the PJM EMS in the TO Control Centers. The pilot program to test in FE has been completed successfully. The Phase II rollout to 8 additional TOs will be completed within the next few weeks. The remaining 4 TOs will receive the PJM EMS upon expansion of current hardware capabilities. The rollouts will be coordinated with the TO SIS representatives.

**13. GENERATOR REACTIVE & VOLTAGE CONTROL**

A. Semi-Annual D-Curve Review: Mr. Patil gave an update on the semi-annual D-Curve review process.

B. Mr. Patil will review the Reactive Test Reporting Form that was revised based upon member feedback.

C. Mr. Souder reviewed the list of action items from the Generator D-Curve and Reactive Capability Testing Process meeting hosted by PJM on 5/26.

**14. GPM VOLTAGE MONITORING POINTS**

Mr. Hoffman reviewed data requirements for accurate voltage monitoring points from the TOs for use in the Generation Performance Monitor (GPM).



## **15. RFC CIP COMMITTEE**

Mr. Alexander and Mr. Keagle gave an update from the RFC CIP Committee. Mr. Keagle reviewed the slides from the last meeting, highlighting the compliant dates for the CIP standards and auditability impacts that can be expected in the future.

## **16. LOAD DUMP ALLOCATION CALCULATOR**

Mr. Bryson reviewed the PJM Load Dump Allocation calculator from PJM Manual M-13 and how its implemented in the PJM EMS.

## **17. ANNUAL MANUAL REVIEW**

- A. Mr. Bryson led the SOS in the annual review of PJM Manual M-36.
- B. Mr. Bryson reviewed changes from the May annual review of Manual M-13. The changes will be sent to the MRC for approval this month.

## **18. MANUAL UPDATES**

- A. Mr. Bryson reviewed changes to Manual M-12
- B. Mr. Bryson reviewed changes to Manual M-37
- C. Mr. Bryson reviewed changes to Manual M-38

## **19. FUTURE AGENDA ITEMS**

- 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)

**20. FUTURE MEETINGS AND DRILLS**

**2009 Drills**

September 30 – October 1, 2009	Fall Restoration Drill – AEP, Dayton and OVEC
October 7, 2009	Fall Restoration Drill – JC and AE
October 13, 2009	Fall Restoration Drill – PPL, UGI & PN
October 14-15, 2009	Fall Restoration Drill – PEPCO & BGE
October 20-21, 2009	Fall Restoration Drill – PS, DPL and Rockland
October 22, 2009	Fall Restoration Drill – PECO and MetEd
October 27-28, 2009	Fall Restoration Drill – ComEd and Duquesne
November 4-5, 2009	Fall Restoration Drill – APS & Dominion
November 10, 2009	Winter Emergency Procedures Drill (back-up Nov. 17)

**2009 Meetings**

July 8, 2009	9:00 AM	Conference Call
August 12, 2009	9:00 AM	Conference Call
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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