System Operations Subcommittees
Operations Update

1. REVIEW OF OPERATIONS (SOS JOINT MEETING)
   A. Mr. Pilong provided an update of System Operations. For September, the CPS1 was 150.3%, CPS2 was 89.5%, BAAL was 99.7%, and DCS was 100%. For the partial month of October:
      a) 4 Shared Reserves events and 17 PCLLRWs.
      b) 2 Minimum Generation Alert events and 15 Emergency Procedures events.
   B. Member Operational Issues: None identified.

2. WORKING GROUP AND TASK FORCE UPDATES
   A. eDART User Groups – Ms. Ike-Egbuonu provided an update of upcoming eDart changes. There will be an eDART outage to make some back-end changes. It will be done on Saturday, November 16th. eDART will be down for most of the day from 9am – 6pm. Notifications will be sent out a week ahead and the day before. Mr. Lavan provided an update on the eDART Black Start Calculator which will be put into production on Wednesday, December 18th. Only the data-entry portion will be available in this release, remaining functionality will be released in February. User group meetings will be scheduled in November and members will be kept updated on what is needed for the calculator.
   B. Dispatcher Training Subcommittee (DTS) – Mr. Hoke mentioned the ‘Train the Trainer’ course which will be held November 11 – 13. An invite will be sent out.

3. SYSTEM OPERATOR TRAINING AND CERTIFICATION
   A. Mr. Hoke provided the results of certification and training statuses. Generation: 5 companies were non-compliant for certification, 3 have mitigation plans in place; 2 companies were non-compliant for training, 1 has a mitigation plan in place. Small Generation: 1 company was non-compliant for training and Operator Readiness Exam requirements, that company has a mitigation plan in place. Transmission: All were compliant for certification and training. CSP: All were compliant.

4. REGIONAL STANDARDS, NAESB, AND COMPLIANCE UPDATE
   A. Ms. Wesley provided an update on NERC, SERC, RFC, and NAESB Regional Standards. INT-004-3, INT-006-4, INT-009-2, INT-010-2, AND INT-011-1 comments are due 11/13, PER-005-2 comments are due 11/11, MOD-001-2 (MOD A) comments are due 11/18, MOD-032-1 and MOD-033-1 (MOD B) comments are due 11/20 MOD-031-1 (MOD C) comments are due 11/22, VAR-001-4, VAR-002-3 comments are due 11/25. Ms. Wesley also mentioned that COM-002-4 is out for comment, due 11/4. The FERC Audit action items are 86% complete and ahead of schedule. The list of audits for 2014 was provided. Any requests for 2014 audits should be directed to Mark Kuras.
   B. The SOS addressed any ongoing Member issues regarding NERC/RFC Audits. None identified.
5. MANUAL UPDATES

A. Mr. Thomas reviewed proposed changes to Manual 03-A: Energy Management System (EMS) Model Updates and Quality Assurance (QA). Changes included updates to Exhibit 4 to include EKPC, revision to section 4.1 to note that PJM will make model difference reports available to TO's, revisions to section 5.1.2 to include model validation and benchmark tests in response to FERC Audit Recommendation 13, a new sub-section to Appendix A for processing ratings in Emergencies, and modifications to Appendix C for BES definition implementation to accommodate new NERC definition. These changes will be brought to the OC for approval.

B. Mr. Pilong reviewed changes to Manual 13: Emergency Operations. Some clarification was given with regard to PCLLRW procedures. Highlights include, if a PCLLRW is issued and the contingency occurs, the situation will be re-assessed, and PJM will issue a directive to actually shed load. Additionally, Attachment J was essentially re-written to comply with the EOP-004-2 revision (effective 1/1/14). Highlights include, per R1 there must be an operating plan for reporting events. PJM will now submit ALL reportable events (even when the TO is required to report the event). This will lead to duplicate reporting (in which case the reports should be identical) until further notice. A table was created to provide clarity for which events PJM needs reports from members. These manual changes will be brought through the OC and MRC in November for approval.

6. NEW TIE LINE CUT-IN

A. Mr. Evans provided a cut-in update for the new (COMED/MISO) Pleasant Prairie – Zion 345 kV tie-line. The line is scheduled to be placed in service on 12/6/2013.

7. NEW TIE LINE CUT-IN

A. Mr. Baker provided a cut-in update for the new (EKPC/DUKE) Zimmer – Meldahl – Spurlock tie-line. The line is scheduled to be placed in service on 12/31/2013.

8. NEW TIE LINE CUT-IN

A. Mr. Issermoyer provided a cut-in update for the new (PPL/FE) Gilbert – Springfield – Hosensack tie-line. There is a current outage that is scheduled to end on 11/22/2013 with the tie-line being energized.

9. NEW 500 KV SUBSTATION LINE NAMES

A. Mr. Issermoyer presented the new line names and designations for the 500 kV Lauschtown substation which is scheduled to be energized in Spring 2017. The line will be cut in between the existing TMI-Hosensack 5026 500 kV line. New designations will be: TMI – Lauschtown 5026 500 kV line, and Lauschtown – Hosensack 5066 500 kV line

10. BELMONT SPS MODIFICATIONS

A. Mr. McPherson provided an update on the Belmont SPS modifications. Due to the retirement of Willow Island generation, the SPS was modified. Originally the SPS tripped one Pleasants unit and the Oak Grove CT’s. The SPS will no trip one Pleasant unit ONLY (not the Oak Grove CT's), and the other Pleasants unit will be limited to 520MW output. Manual 3 will reflect these changes in the next revision (June 2014)
11. **TIER ONE ESTIMATE CHANGES**
   
   A. Mr. Pilong reviewed the Tier One Estimate changes that were made as a result of the hour long spinning event in September. Changes include: All units in Tier 1 estimate will be capped to the lesser of Eco Max OR Spin Max, all hydro units will be removed from the Tier 1 estimate, all combined cycle units will be removed from the Tier 1 estimate EXCEPT those with Spin Max < Eco Max, all units with a manual dispatch instruction will be removed from the Tier 1 estimate. Things that WILL NOT change include regulating units and units under constraint control. There will be future manual changes (M-03 and M-13) for clarification. The 2014 seminar will also cover the changes and conduct a spinning event to clarify expected responses. There will be no changes to Tier 2.

12. **REVIEW OF OPERATIONS (SOS-T MEETING)**
   
   A. SOS-T reviewed operational events and concerns. Nothing additional from the joint meeting was covered.
   
   B. SOS-T determined if any new events warrant consideration under the Event Investigation Process. None identified.

13. **DTS ITEMS**
   
   A. Issues/concerns from the SOS members for consideration at the DTS meeting will be brought to the attention of Mr. Lloyd, the SOS rep to the DTS. No issues or concerns were identified.

14. **SYSTEM ANALYSIS AND COORDINATION**
   
   A. Mr. Pilong reviewed the results of the IROL load dump drill from 10/10/13.
   
   B. Final approval was given for the 2013 – 2014 Winter OATF Study Report.

15. **NEW TO/TOP MATRIX**
   
   A. Mr. Kuras reviewed the new version (7) of the TO/TOP matrix. It includes new January 2014 standards and some revisions. He also mentioned that RFC and SERC will no longer be conducting audits, just PJM moving forward. A request was made to add references to M-13 to the matrix where applicable.

16. **TRANSMISSION D-CURVE ACKNOWLEDGEMENT PROCESS**
   
   A. Ms. Scott announced the start of the transmission owner D-curve acknowledgement process. The time period for this is 11/1/13 – 11/30/13

17. **TRANSMISSION LATE CANCELLATION METRIC REVIEW**
   
   A. Mr. Hoang reviewed the late cancellation metric. Due to market participant concern with late cancellations, changes will be made to eDART to capture reasons for cancellations. Mr. Hoang also presented two slides which detail the recent cancellation statistics that will be made public.
18. OUTAGE ANALYSIS REPORTING SITE
   A. Ms. Ike-Egbruonu provided an update on the Outage Analysis Reporting Site. The new implementation date for this is 11/11/2013. PJM will begin posting Outage Analysis reports to a secure site on PJM.COM.

19. RTO WIDE BLACK START RFP UPDATE
   A. Mr. Schweizer provided an update on the RTO wide Black Start RFP. Proposals were received from several units. Target for completion of the RFP is 4/1/2014 with the new Black Start available on 4/1/2015.