



Joint System Operations Subcommittee – Generation and Transmission PJM Conference & Training Center January 6, 2020 09:00 a.m. EDT

SOS Participants			
Last Name	First Name	Company	
Carroll (Chair)	Rebecca	PJM Interconnection, LLC	In Person
Dajewski (Secretary)	Paul	PJM Interconnection, LLC	In Person
Brown	Rich	PJM Interconnection, LLC	In Person
Dropkin	Robert	PJM Interconnection, LLC	In Person
Hoang	Liem	PJM Interconnection, LLC	In Person
Hoke	Michael	PJM Interconnection, LLC	In Person
Kappagantula	Srinivas	PJM Interconnection, LLC	In Person
Ofoegbu	Chidiogo	PJM Interconnection, LLC	In Person
Skumanish	Bill	RTR Energy Solutions, LLC	In Person
Walker	Preston	PJM Interconnection, LLC	In Person
Frogg	Darrell	PJM Interconnection, LLC	Teleconference
Stefanowicz	Vincent	PJM Interconnection, LLC	Teleconference
Markiewicz	Cindy	FirstEnergy Solutions Corp.	Teleconference
Sauerwine	Kim	PJM Interconnection, LLC	Teleconference
Fusek	David	Appalachian Power Company	Teleconference
Croop	Danielle	PJM Interconnection, LLC	Teleconference
Wagner	Dan	Appalachian Power Company	Teleconference
Durinsky	Mike	FirstEnergy Solutions Corp.	Teleconference
Karasiewicz	John	Public Service Electric & Gas Company	Teleconference
Buhler	Thomas	Rockland Electric Company	Teleconference
Barmer	Mike	Dominion Virginia Power	Teleconference
Hoatson	Tom	Riverside Generating, LLC	Teleconference
Hastings	David	Market Interconnection Consulting Services (MICS)	Teleconference
Mali	Gizella	FirstEnergy Solutions Corp.	Teleconference
Libbos	Robin	FirstEnergy Solutions Corp.	Teleconference
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities	Teleconference
Squibb	Bill	Ohio Valley Electric	Teleconference
Schloendorn	Ronald	PECO Energy Company	Teleconference
Knapp	George	Duke Energy Ohio, Inc.	Teleconference
Hooker	Marquette	Dominion Energy Generation Marketing, Inc.	Teleconference
Cox	Ryan	Appalachian Power Company	Teleconference





Fan	Zhenyu	PJM Interconnection, LLC	Teleconference
Pilong	Christopher	PJM Interconnection, LLC	Teleconference

Administration (9:00-9:05)

- 1. Meeting agenda was approved without comment.
- 2. Draft Minutes from the December 6, 2019 SOS Joint Meeting were approved without comment.

Review of Operations (9:05-9:10)

3. Ms. Carroll provided an update of System Operations in December. During the month of December, PJM issued 2 Synchronized Reserve Events, 2 High System Voltage Actions and 15 PCLLRWs. PJM also provided Shared Reserves to NPCC on three separate occasions.

eDART and DTS Updates (9:10-9:15)

- 4. Ms. Ofoegbu provided an update on the eDART Tech Forum.
 - a. The latest eDART release occurred on December 18th
 - b. The dcurvetrans, dcurvegen and ratings XML has been retired, the data is available through the UI Report
 - c. Next release will include Voltage Limits, Takeout/Restore functionality, and status of cut-in tasks on transmission tickets
 - d. Companies interested in using the Company Distributed Workflow should contact the eDART team to set up a sandbox and provide contact information of a company officer
 - e. At the end of January the eDART User Group and Edart XML User Group PJM.com pages will be removed
- 5. Mr. Hoke reviewed the information that was presented at the last Dispatcher Training Subcommittee:
 - a. System Dynamics course is scheduled for Jan 27 Jan 31. All participants will need an approved CEII form on file in order to attend.
 - b. A third Transmission ITP course has been added to this year. It's scheduled to start on February 2nd
 - c. The PJM Seminar dates and locations:
 - Baltimore, MD: March 10 13, March 17 20, and March 24 27
 - Columbus, OH: March 31 April 3, April 6 9, April 14 17, and April 21 24
 - PJM CTC: April 28 May 1, May 5 8, and May 12 15
 - d. Seminar registration link will be sent out on January 21. Initially, the registration is open for operators and dispatchers only. On January 27, it will be open for support personnel and to the public on February 10.





System Operator Training and Certification (9:15-9:20)

- 6. Mr. Hoke provided an update on the System Operator Training and Certification:
 - a. All Transmission companies are compliant with training and certification
 - b. 2 Generation companies are non-compliant with training and 3 with certification
 - c. 3 Small Generation companies are non-compliant with training
 - d. 1 CSP is non-compliant with training

Regional Standards, NAESB, and Compliance Update (9:20-9:25)

- 7. Mr. Walker provided an update on standards and compliance:
 - a. Comments on the NERC draft reliability guideline Bulk Power System Reliability Perspectives on the Adoption of IEEE 1547-2018 are due February 12
 - b. RF will hold a workshop on Internal Controls on February 2 in Cleveland, OH
 - c. Approved Version 4.0 of the ERO Event Analysis Process and Appendices Webinar will occur on January 9 at 2 3 pm EPT.
 - d. NERC standards subject to enforcement as of January 1, 2020:
 - IRO-002-6
 - PRC-026-1
 - TPL-007-3
- 8. No comments or questions were raised regarding NERC/RF member issues.

Manual Updates (9:25-9:30)

- 9. Mr. Hoke performed a first read on changes associated with Manual 40 Rev 22 periodic review.
- 10. Mr. Kappagantula performed a first read on changes associated with the TO/TOP Matrix Rev 14.
- 11. Mr. Dropkin performed a second read on changes associated with Manual 38 Rev 13. The revision was endorsed without comments or concerns.

Lessons Learned (9:30-9:35)

12. Mr. Dajewski reviewed recently published NERC Lessons Learned regarding the Moisture Intrusion in Hermetically Sealed Metering Current Transformers.

Future Agenda Items

Review of PJM Manual 13 (Sept, Mar)

Reactive Curve Verification – recurring

Generator semi-annual review (October/April)

TO semi-annual review (November/May)





Future Meeting Dates

February 03, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
March 09, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 13, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
May 18, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Paul Dajewski

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