

DATA MANAGEMENT SUBCOMMITTEE

MISSION

The Data Management Subcommittee (DMS) will assist the System Operations Subcommittee (SOS) members by exchanging the EMS model and real time telemetry data associated with the Bulk Electric System (BES) and emerging technologies needed to support PJM and individual Member Company EMS model updates. In addition, the DMS will provide support for the associated EMS communications infrastructure. These are ongoing activities that will not expire at any specific end date.

The DMS mission includes establishing and maintaining points of contact for all issues related to EMS modeling, telemetry, EMS real time data networking, PJM and member system changes, and synchrophasor technology. EMS modeling includes electric system model, configuration, impedances, ratings, and other parameters.

ADMINISTRATIVE

The DMS shall report to the Operating Committee and System Operations Committee-Transmission (SOS-T). The DMS is composed of two groups. One group consists of only Transmission Owners (DMS-T), and the other group consists of both Generation Owners and Transmission Owners (DMS-GT). DMS-T members will meet separately on topics related to the EMS model and real time telemetry data associated with the Bulk Electric System (BES) that require shielding of model-specific data and images from non-Transmission participants. This meeting will be attended by the Primary and/or Alternative members registered in the DMS-T Roster. Otherwise, other discussions will include all parties involved in operations during the joint meetings between the DMS Generation and Transmission (DMS-GT).

1. (T) SOS-T members will appoint representatives to the DMS, per the established Roster.
2. (G/T) The DMS members will be responsible for keeping their membership profiles up-to-date on the PJM website. (See note below)
3. (T) DMS-T members/participants are required to have CEII access/approvals.
4. (G/T) Members seeking to join DMS must submit authorization from their company's Operating Committee representative or existing DMS member from the member's company via email to PJM's Committee Services Administrators.
5. (G/T) Only DMS members can participate in this stakeholder group, due to the confidential data shared. This is a closed stakeholder group.
6. (G/T) The DMS will report jointly to the SOS and OC.
7. (G/T) PJM will designate a Subcommittee Chair person who will report monthly to SOS.
8. (G/T) PJM will designate a Subcommittee Secretary to record all DMS activities.
9. (G/T) PJM will be responsible for preparing and issuing all reports, scheduling periodic meetings and conference calls (as necessary), plus recording and preparing the minutes of each meeting.
10. (G/T) The DMS will meet on a quarterly basis at PJM.
11. (T) The May meeting will be in person to facilitate interaction among members. WebEx and tele conference will be provided for the other meetings.

RESPONSIBILITIES

1. Subcommittee members will:
 - a) (T) Represent their company in fulfillment of responsibilities related to the electric system model build process. See PJM M03A for details.
 - b) (T) Provide PJM with EMS electrical system model changes, in accordance with the timelines and milestones associated with the scheduled (quarterly) PJM electric system model builds.
 - c) (T) Provide Company ICCP telemetry information to PJM prior to EMS equipment being energized.
 - d) (T) Submit all model changes using eDART Network Model application process.
 - e) (G/T) Adhere to the data exchange requirements detailed in M01 and M14D.
2. (T) Report on status of company activities related to the PJM model build process.
 - a) (T) Provide information and updates to the PJM Subcommittee Chair regarding progress toward milestones.
 - b) (T) The Subcommittee Chair will present a summary status report of the model build process at the monthly meeting of the SOS.
3. (T) Provide central point of contact for all EMS data issues.
 - a) (T) Subcommittee members will coordinate the communication and resolution of all EMS model and data issues in a timely manner.
 - b) (T) Subcommittee members will certify that first-level testing of telemetry has been completed, and that the data is of good quality.
4. (T) Subcommittee members will participate in breakout sessions for TOs, to share information such as one-line diagrams and state estimator models for their Company facilities. Members will also exchange model information that affects neighboring Companies in accordance with the approved stakeholder body process (TOA-AC and eDART) and Non-Disclosure Agreement (NDA).
 - a) (T) DMS Members can utilize the secure PJM DMS SharePoint site for these activities
5. After PJM updates the EMS Model,
 - a) (T) DMS members will be given detailed documentation (one-line diagrams, tabular summaries in Spreadsheet and CIM format, etc.) so that they can verify that the changes that were submitted to PJM were correctly modeled.
 - b) (T) After DMS member verification, PJM will provide TOs with access to the one-line diagrams of other TOs, in accordance with the approved stakeholder body process (TOA-AC and eDART) and NDA.
 - i. (T) TO members use of the eDART Network Model application will include monthly agreement to the NDA requirement for one-line diagrams.
6. (G/T) Ensure ongoing operation of communication infrastructure.
 - a) (G/T) PJM report out of changes to ICCP link policies and procedures.
 - b) (G/T) Review and discuss any planned enhancements by PJM or Members.
 - c) (G/T) Review and discuss new synchrophasor integrations and ongoing maintenance and improvements.
 - d) (G/T) PJM report out on real time data accuracy, reliability, and performance metrics.

7. (G/T) Address EMS compliances/systems management standards:
 - a) (G/T) Control Center standards
 - b) (G/T) EMS upgrade awareness
 - c) (G/T) Operational practices
 - d) (G/T) Metering practices and standards
 - e) (G/T) Telecommunication practices and standards.

CORE COMPETENCIES AND CAPABILITIES

Members of the Data Management Subcommittee members should:

1. (T) Have knowledge of the EMS electrical system model, the PJM EMS model update process and data gathering.
2. (T) Be accessible and available to support the model update process during the period when PJM is installing the quarterly EMS model updates.
3. (T) Have knowledge of the methodologies and processes associated with managing real time ICCP telemetry data. Have direct responsibility for the knowledge of the processes for managing ICCP and/or DNP telemetry data.
4. (G/T) Have direct responsibility for or knowledge of the processes for managing ICCP telemetry links.
5. (G/T) Collectively, the DMS members should have knowledge of, influence over, or responsibility for:
 - o Energy Management Systems
 - o Synchrophasor Technology Systems
 - o Electric Metering
 - o Telecommunications
 - o Emerging Technologies

Notes:

- DMS must update their current information or register new members to the roster, using the Enrollment/Change Form on the PJM web site.
- All members must request and gain access to the appropriate secure workplace where meeting materials are posted.
- Transmission members must request and gain access to the secure DMS SharePoint site used for exchanging confidential EMS data.
- All DMS activity inquiries should be sent to: DMS_Officers@pjm.com