



MISSION

The Data Management Subcommittee (DMS) will assist Transmission Owners (TOs) with exchanging ideas and information to improve accuracy and quality of PJM's EMS model. DMS assists the System Operations Subcommittee (SOS) by sharing EMS model and real time telemetry data associated with the Bulk Electric System (BES) and addresses emerging technologies needed to support PJM and individual Member Company EMS model updates.

ADMINISTRATIVE

The DMS meets quarterly throughout the year, with ad hoc meetings scheduled to address specific and/or time-sensitive topics. DMS reports to the Operating Committee (OC) and System Operations Committee-Transmission (SOS-T). The group consists of TOs listed as Primary and Alternate members on the DMS roster who meet to discuss confidential, model-specific information.

1. DMS is a closed stakeholder group.
2. DMS members are responsible for keeping their membership profiles up-to-date on the PJM website (see Notes section below).
3. DMS members are required to have CEII access/approvals.
4. Only DMS members can participate in this stakeholder group, due to the confidential data shared.
5. DMS will report jointly to the SOS and OC.
6. PJM will designate a Subcommittee Chair person who will report as needed to SOS.
7. PJM will designate a Subcommittee Secretary to record all DMS activities.
8. PJM will be responsible for preparing and issuing all reports, scheduling periodic meetings and conference calls (as necessary), plus preparing the minutes of each meeting.
9. The DMS will meet on a quarterly basis at PJM.
10. One DMS meeting per year will be in person attendance only to facilitate interaction among members.
11. WebEx and teleconference will be provided for all other DMS meetings.
12. PJM will leverage DMS to communicate all model update-related business processes, procedures, and enhancements.

RESPONSIBILITIES

1. DMS Subcommittee members will:
 - a) Represent their company in fulfillment of responsibilities related to the electric system model build process. See PJM M03A for details.
 - b) Provide PJM with EMS electrical system model changes, in accordance with the timelines and milestones associated with the scheduled (quarterly) PJM model builds.
 - c) Provide Company ICCP telemetry information to PJM prior to EMS equipment being energized.
 - d) Submit all model changes using eDART Network Model application process.
 - e) Adhere to the data exchange requirements detailed in M01, M03A, and M14D.
2. Report on status of company activities related to the PJM model build process.
 - a) The Subcommittee Chair will present a summary status report of the model build process as needed at the monthly meeting of the SOS.
3. Provide central point of contact for all EMS data issues.
 - a) Subcommittee members will coordinate the communication and resolution of all EMS model and data issues in a timely manner.
4. 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) DMS Members can utilize the secure PJM DMS SharePoint site for these activities.
5. After PJM drafts updates to the EMS Model per the Network Model request,
- a) DMS members will be provided detailed documentation (i.e., one-line diagrams, tabular summaries in Spreadsheet and CIM format, etc.) for TOs to verify changes submitted to PJM via Network Model application were correctly modeled.
 - b) 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. TO members use of the eDART Network Model application will include monthly agreement to the NDA requirement for one-line diagrams.
6. Ensure ongoing operation of communication infrastructure.
- a) PJM report out of changes to ICCP link policies and procedures.
 - b) Review and discuss any planned enhancements by PJM or Members.
 - c) PJM report out on real time data accuracy, reliability, and performance metrics.
7. Address EMS compliances/systems management standards:
- a) Control Center standards
 - b) EMS upgrade awareness
 - c) Operational practices
 - d) Metering practices and standards
 - e) Telecommunication practices and standards.

CORE COMPETENCIES AND CAPABILITIES

DMS Members should:

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

NOTES

- DMS members register new members or update their current information using the Roster Update Form on <http://www.pjm.com>.
- DMS members must be CEII approved to gain access to the DMS secure workplace on <http://www.pjm.com> where meeting materials are posted.
- DMS members must have a current, signed NDA on file in eDART to 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