

Multiregional Modeling Working Group (MMWG) Charter

Purpose

To coordinate, in a timely manner, the development of designated power flow and dynamics simulation base case models that realistically simulate steady state and dynamic bulk electric system behavior of the Eastern Interconnection.

Scope of Activities

1. Establish a schedule for all case development work.
2. Annually develop a series of solved power flow models of the Eastern Interconnection for use by industry.
3. Maintain a database of annually updated system dynamics modeling data of the Eastern Interconnection.
4. Develop initialized dynamics simulation models of the Eastern Interconnection annually for at least two time periods — near term and approximately five years into the future. These dynamics models shall be based on selected models from the power flow model series.
5. Annually review the power flow base case and system dynamics simulation model requirements of the Eastern Interconnection and recommend power flow and system dynamics models to be developed.
6. Maintain a Procedural Manual for use by the Data Coordinators in submitting power flow and system dynamics modeling data, and for use by the MMWG Coordinators in developing power flow and dynamics simulation models.
7. Work with the Data Coordinators and the Data Submitting Entities to coordinate and ensure the timely submission of system data.
8. Keep abreast of the modeling requirements of the Regions and member systems and adopt or develop improved modeling and data handling techniques as required.
9. Evaluate alternative methods and software for developing the MMWG series of solved power flow models and the initialized system dynamics simulation models.

Deliverables

Designated set of power flow and dynamics base case models.

Membership

The MMWG membership shall be comprised of one power flow representative and one dynamics representative from each of the Data Submitting Entities (comprised of Planning Coordinators or group of Planning Coordinators) and non-voting representatives as follows: one liaison representative each of the EI Regions and the ERAG Chair, a coordinator from each of the organizations that provides model development services to MMWG, and NERC and FERC staff liaisons. Each Data Submitting Entity shall have one vote. One or more alternate representatives from each Data Submitting Entity may be added at their discretion. Additional individuals or organizations who have demonstrated knowledge and value to the MMWG processes can be nominated as liaison members by Data Submitting Entities and appointed via a majority vote of the Data Submitting Entities. Guests can be invited to meetings by the MMWG chair, at the chair's discretion, to facilitate collaboration.

The MMWG Chairman and Vice Chairman are to be appointed from among the Data Coordinators for a two-year term. The Vice Chairman will serve a two-year term and should be available to succeed to the chairmanship.

Meetings

Three meetings per year, or as needed.

Reporting

The MMWG reports to the Management Committee of the Eastern Interconnection Reliability Assessment Group.

Approved by the ERAG Management Committee: November 9, 2020