

**Southwest Power Pool  
Model Development Advisory Group  
Scope Statement  
09/21/2022**

**PURPOSE**

The Model Development Advisory Group (MDAG) is responsible for the coordination, development, and maintenance of transmission system planning models in accordance with Southwest Power Pool (SPP) Planning Criteria, Regional Standards, and procedures. The MDAG is also responsible for supporting development of interconnection-wide models by providing SPP transmission system planning models and related information to the Eastern Interconnection Reliability Assessment Group (ERAG) Multiregional Modeling Working Group (MMWG).

**SCOPE OF ACTIVITIES**

In carrying out its purpose, the MDAG:

1. Develops and maintains the MDAG Model Development Procedure Manual.
2. Develops, maintains, and coordinates steady state, short circuit, dynamic, and geomagnetic disturbance models in accordance to the SPP Planning Criteria, SPP Regional Standards, and procedures.
3. Works with SPP staff and the Transmission Working Group (TWG) to determine the models that should be used in SPP, basis for the models, and how they are modified to ensure that the transmission system planning models support the needs of SPP and SPP Organizational Groups, advisory groups and user forums.
4. Provides recommendations to SPP Organizational Groups, advisory groups, and user forums for proposed SPP Planning Criteria, Revision Requests, or Tariff modifications pertinent to transmission system planning model needs.
5. Reviews and monitors existing and proposed NERC Reliability Standards for impacts to the development, maintenance, and coordination of SPP transmission system planning models. Coordinates responses to new and proposed standards with SPP and other SPP Organizational Groups, advisory groups and user forums.

6. Supports the SPP submission of modeling data to the ERAG MMWG for the SPP transmission system. Coordinates the incorporation of ERAG MMWG modeling information for facilities external to the SPP transmission system into the SPP models.
7. Responds to assignments from the TWG, Markets and Operations Policy Committee, or the board of directors.

## REPRESENTATION

The MDAG is comprised of at least 8 and no more than 24 representatives from SPP Member companies and contract signatories, including the chair and vice-chair, if one is appointed. The MDAG shall elect/appoint a chair using the process defined in Section 3.3 of the Bylaws, however it has the discretion to determine the need for a vice-chair position.

MDAG representatives will be selected based on their experience with coordination, development, and maintenance of transmission system planning models and interconnection-wide models.

## REPORTING

The MDAG provides as needed advice on management and development of transmission system planning models and interconnection-wide models to SPP Organizational Groups, other advisory groups, and user forums.