



SPP MOD-032-1 WEST MODEL DEVELOPMENT GUIDANCE DOCUMENT

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By SPP Engineering Modeling

REVISION HISTORY

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SECTION 1: EXECUTIVE SUMMARY

This document outlines the process coordination between SPP, as the Planning Coordinator (“SPP PC”) and as the Western Electricity Coordinating Council (“WECC”) Data Preparation Manual (“DPM”) data submitter (“WECC DPM Data Submitter”), applicable model data owners and/or model data compilers, and WECC. Data submitters, as described in the DPM, collaborate to make Western Interconnection models available to WECC in accordance with the North American Electric Reliability Corporation (“NERC”) MOD-032-1 standard.

SECTION 2: MOD-032-1 OVERVIEW

Purpose: To establish consistent modeling data requirements and reporting procedures for development of planning horizon cases necessary to support analysis of the reliability of the interconnected transmission system.

Applicability (Functional Entities):

- Balancing Authority
- Generator Owner
- Load Serving Entity
- Planning Authority and Planning Coordinator
- Resource Planner
- Transmission Owner
- Transmission Planner
- Transmission Service Provider

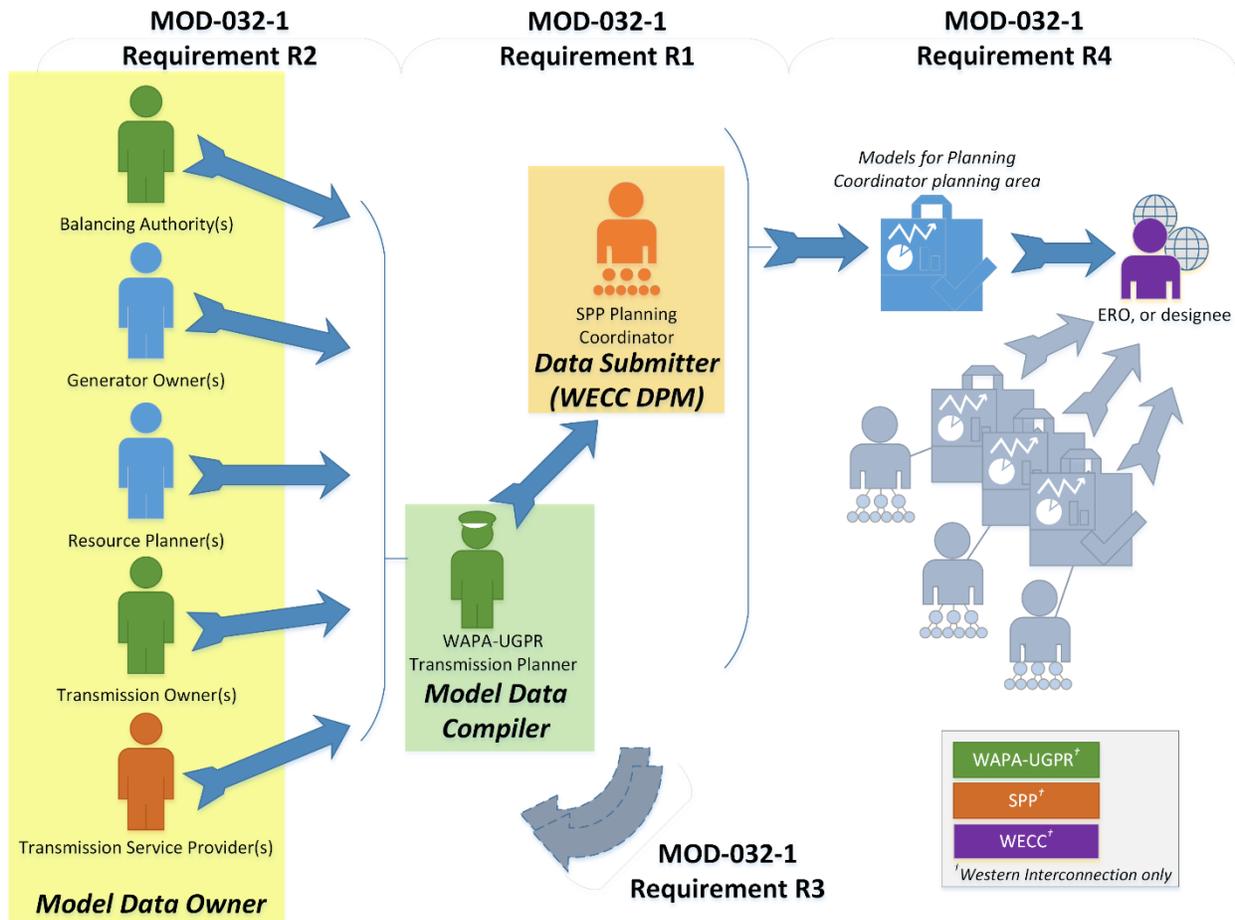
Relative Dates:

- FERC approval of MOD-032-1: May 1, 2014
- NERC MOD-032-1, R1 Effective Date: July 1, 2015
- NERC MOD-032-1, R2 – R4 Effective Date: July 1, 2016

SECTION 3: REPORTING PROCEDURES AND DATA COORDINATION

The SPP PC, as the WECC DPM Data Submitter, participates in WECC's Western Interconnection-wide model creation process. Entities that own facilities located in the Western Interconnection under the SPP PC utilize the WECC DPM as a procedure document for the data requirements and reporting procedures necessary to support creation of WECC's Interconnection-wide cases. As necessary, the SPP PC will request that model data owners and/or model data compilers provide modeling data incremental to the WECC DPM for model building purposes or to meet SPP governing documents requirements.

1. WECC provides a model data request to the SPP PC in furtherance of SPP's role as the WECC DPM Data Submitter. The SPP PC requests steady state and dynamic modeling data, in accordance with the WECC DPM, from applicable model data owners and/or model data compilers. The SPP PC requests short circuit modeling data, in accordance with the SPP Model Development Working Group Model Development Procedure Manual ("SPP MDWG Procedure Manual"), from applicable model data owners and/or model data compilers. The applicable model data owners and/or model data compilers must provide their respective data to the SPP PC in accordance with the reporting guidelines established in the WECC DPM for steady state and dynamic modeling data, and the SPP MDWG Procedure Manual for short circuit modeling data. For modeling data requests unrelated to, or incremental to, the creation of the WECC Interconnection-wide case build, the SPP PC will provide reporting guidelines in the SPP modeling data request. Two such incremental data requests needed by SPP are the known outage(s) of generation or Transmission Facility(ies) with a duration of at least six months and known commitments for firm Transmission Service and interchange.
2. If a technical concern about the modeling data submitted to the SPP PC arises, the SPP PC will submit an email to the applicable model data owners and/or model data compilers that includes the technical basis or reason for the technical concerns. Within the timeline set forth in the WECC base case model development process schedule, the applicable model data owners and/or model data compilers must provide a written response to the SPP PC that includes either updated data or an explanation containing a technical basis for maintaining the current data.
3. The SPP PC, as the WECC DPM Data Submitter, makes available steady state powerflow, short circuit, and dynamic models to WECC for creation of the Interconnection-wide cases.
4. This process will be followed for each Interconnection-wide case built throughout the annual WECC base case model development process, and will remain in effect until such time as it is revised by mutual agreement of the acknowledging parties.



NERC is the Electric Reliability Organization (“ERO”). WECC is the ERO designee in the Western Interconnection.