

Model Development and NERC Compliance Webpage



2020 SPP MDWG Model Development

- **July 8, 2019 – March 6, 2020**
 - Power Flow and Short Circuit Models
 - Dynamic models follow different schedule
 - PSSE Version 34.5.1 (Breaker-Node Model)
 - Representation no longer just Bus-Branch
- **SPP MDWG Model Development Procedure Manual**
 - <https://www.spp.org/spp-documents-filings/?id=18607>
 - SPP Manual Task Force
 - Meets weekly, Thursdays 9:00AM-11:00AM CST
 - MOD-032-1, Requirement R1
 - Procedure Manual Updates
 - Data Submitter Designation
 - Wind/Solar by SPP (Base on historical seasonal values)
 - Equivalence Wind/Solar representations
 - SPP Engineering Data Submittal Tool (EDST)
 - Replaced SPP Data Submittal Workbook
 - SPP GlobalScape
 - Replaced TrueShare

NERC Compliance Webpage

- **Communication path with Transmission Planner (TP)**
 - **NERC MOD-026-1**
 - **Verification of Generator Excitation Model Data**
 - **Requirements R1 – Request acceptable model list from TP**
 - **NERC Acceptable Model List**
 - **Requirement R6 – TP validates GO model data as usable**
 - **Allowed 90 day response from TP**
 - **NERC MOD-027-1**
 - **Verification of Turbine/Governor Model Data**
 - **Requirements R1 – Request acceptable model list from TP**
 - **NERC Acceptable Model List**
 - **Requirement R5 – TP validates GO model data as usable**
 - **Allowed 90 day response from TP**
 - **NERC MOD-032-1**
 - **Requirement R2, data submittal**
 - **NERC TPL-001-4**

- <https://www.xcelenergy.com>

