



**TEXAS RE**

# **NSRF MOD-026-1**

**Blair Giffin**  
**O&P Compliance Engineer, Sr.**  
**January 25, 2024**

# MOD-026-1 Overview

## Purpose

Verify that the generator excitation control system or plant volt/var control function model and the model parameters used in dynamic simulations accurately represent system behavior when assessing BES reliability

## Applicability

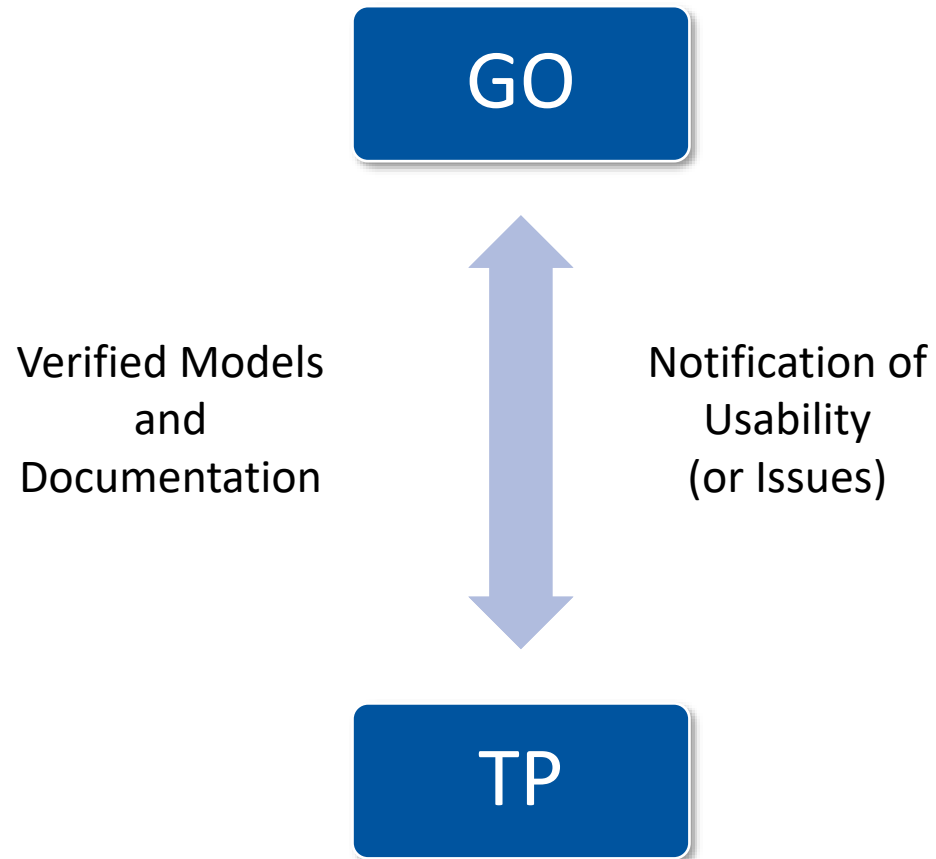
- Generator Owner
- Transmission Owner

## Requirement

- Entities shall provide information and/or respond to information requests
- Written responses shall be given upon receiving information or information requests, within the timelines specified



# Verification of Model Data = Accurate Usable Models



# Accurate and Verified Models = Reliable BES Planning and Operation

**Unit modeling shall be verified by the GO using models acceptable to the Transmission Planner (TP)**

- Verification shall include subparts
- NERC Unacceptable list
- [Dynamic Modeling Recommendations \(nerc.com\)](http://www.nerc.com)

**The model, documentation and data shall be transmitted to the TP per MOD-026 Attachment 1 timeline**



# Standard/Requirement Deadlines = Timely Usable Models

**TPs – 90 days to review and acknowledge verified model**

**GOs – 90 days to respond to questions/concerns about models**





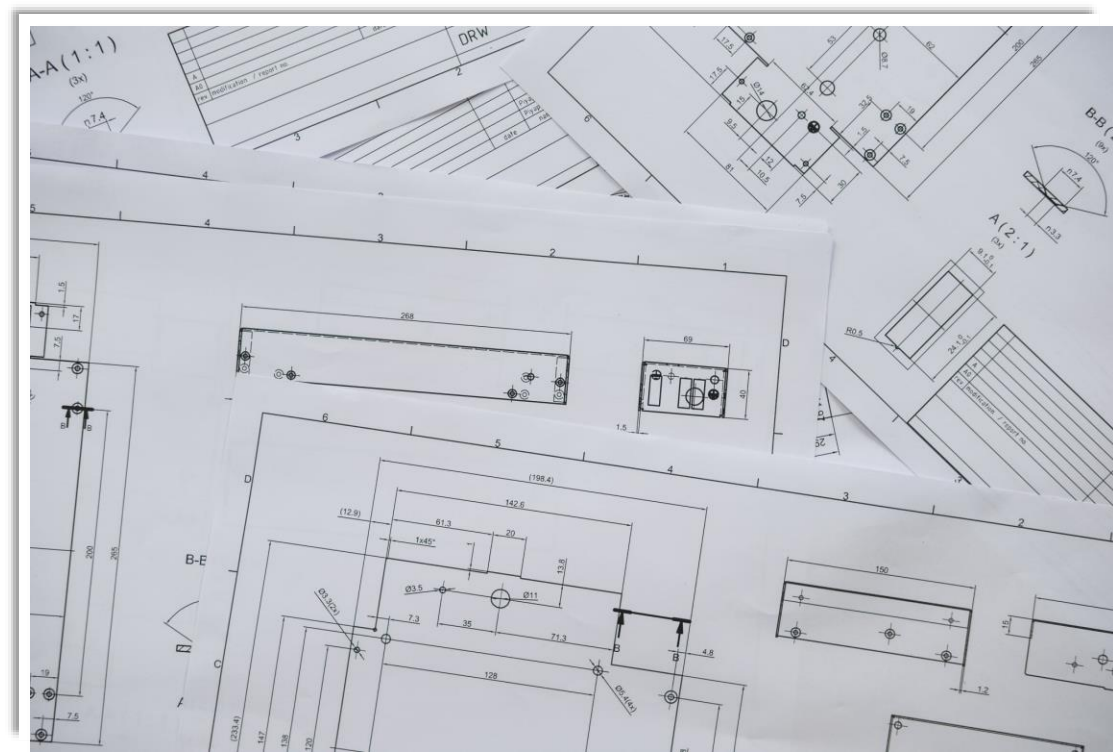
# Robust Evidence Provides Detailed Model Info and Sets Audit Timelines

## Unit model verification subparts

- Documents model information, settings, function and response

## Written correspondence

- Documents submissions and responses
- Sets a deadline for the other party to respond



# Internal Controls

**Request recipients confirm receipt and acknowledge deadlines.**

**Ensure responses are received within required timeline. Doing so will help ensure models are usable and timely.**



The background of the slide features a blurred image of the Texas state flag on the left and a close-up of a wind turbine's hub and blades on the right. The blades are white with red tips. A dark blue rounded rectangle with a thin light blue border is centered over the image.

# Questions?



**TEXAS RE**

Ensuring electric reliability for Texans