



Model Verification Requirement

Planning Guide 5.5 (2)

Planning Guide 6.2 (5)(b)

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Background

- **Model Verification** requirement took effect 3/1/2021 with PGRR-085
- This is NOT related to MOD 26/27
- Requires plant owners submit documentation evidence that field settings match model parameters.
- Evidence can take multiple forms:
 - Screenshots of actual field settings in firmware
 - OEM signed commissioning reports attesting the model
 - Many are acceptable. ERCOT does not have a standard or example.
- Report should list the site-specific/tunable parameters in the model, list the parameters implemented in the actual equipment, and show how these relate
- Submit verification reports, along with any model updates, to R100.
 - Reminder: Model updates (dynamic and PSCAD) must be submitted with a Model Quality Test report*.

* Refer to Model Quality Guide downloadable from <https://www.ercot.com/services/rq/re>

When is Verification Required?

- For new resource commissioning (meeting Part 3 approval after 3/1/2021):
 - Within 30 days following the part 3 approval, AND
 - Required again 12 to 24 months after part 3 approval
- For ALL resources:
 - Once between March 1, 2022, and March 1, 2023,
 - At least every 10 years, AND
 - Within 30 days of a setting change at the plant that affects the dynamic model. An updated model and model quality test report should also be provided for both the dynamic stability model and, for inverter-based-resources, an updated PSCAD model and PSCAD model quality test report.