



**NERC MOD-026-1 – Verification of Models and Data for Generator  
Excitation Control System or Plant Volt/Var Control Functions for  
Requirement R1  
(MOD-026-1 R1)**

PJM Interconnection

Original Document Date: July 1, 2014  
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Version 1

NERC MOD-026-1 Requirement R1

1. Send email to [NERC.Transmission.Planner@pjm.com](mailto:NERC.Transmission.Planner@pjm.com) with the following specifications:
  - a. Subject line “MOD-026-1”
  - b. Indicate the Generator Owner which is submitting the request
  - c. Explicitly state the purpose of the email:
    - i. A request for the list of acceptable excitation control system or plant volt/var control function models
    - ii. A request for acceptable dynamic excitation control system or plant volt/var control function model library block diagrams and/or data sheets
    - iii. A request for model data of an existing applicable unit specific excitation control system or plant volt/var control function contained in current PJM dynamic planning models
2. PJM, upon receipt of request, will respond to requests accordingly within 90 days:
  - a. PJM will provide a list of acceptable excitation control system or plant volt/var control function models upon request
  - b. PJM will provide instruction on how to obtain acceptable dynamic excitation control system or plant volt/var control function model library block diagrams and/or data sheets upon request
  - c. PJM will provide model data of an existing applicable unit specific excitation control system or plant volt/var control function contained in current PJM dynamic planning models, upon request, in the form of a PSS/E text file
3. Generator Owners, if needed, shall provide updated model data (PSS/E text file) or notification of model issues to PJM
4. PJM shall provide a response to the Generator Owner indicating whether the model data provided by the Generator Owner is usable or not usable. If the model is not usable, PJM will provide a technical description as to why the model data is not usable.

***Standard MOD-026-1 — Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions***

**“R1** Each Transmission Planner shall provide the following requested information to the Generator Owner within 90 calendar days of receiving a written request : [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]

- Instructions on how to obtain the list of excitation control system or plant volt/var control function models that are acceptable to the Transmission Planner for use in dynamic simulation,
- Instructions on how to obtain the dynamic excitation control system or plant volt/var control function model library block diagrams and/or data sheets for models that are acceptable to the Transmission Planner, or
- Model data for any of the Generator Owner’s existing applicable unit specific excitation control system or plant volt/var control function contained in the Transmission Planner’s dynamic database from the current (in-use) models, including generator MVA base.”

## Document Revision History

July 1, 2014 – Original Version