

RLC Engineering excels in providing modeling services to ensure strict compliance with the NERC MOD standards, including MOD-025-2, MOD-026-1, MOD-027-1, and MOD-032-1. Their expertise lies in meticulous verification and validation of generator and control system models, guaranteeing accuracy and adherence to regulatory requirements. By offering comprehensive modeling services, RLC plays a vital role in supporting entities to meet NERC standards and maintain reliability in the Bulk Electric System.

NERC MOD-025-2 - Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability

• Key Requirements:

- Validation of generator real and reactive power capabilities and synchronous condenser reactive power capability.
- Data reporting for planning model assessment.
- Compliance with data quality and reporting standards.

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

• Key Requirements:

- Regular validation of generator excitation or plant volt/var control models.
- Periodic audits and data verification.
- Compliance with simulation model standards.

NERC MOD-027-1 - Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions

• Key Requirements:

- Validation of turbine/governor and active power/frequency models.
- Regular testing and data validation.
- Compliance with simulation model accuracy standards.

NERC MOD-032-1 - Data for Power System Modeling and Analysis

• Key Requirements:

- Implementation of standardized modeling data requirements.
- Timely and accurate reporting for system reliability analysis.
- Compliance with power system modeling standards.



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V 207.621.1077 | F 207.621.1177
INFO@RLC-ENG.COM | RLC-ENG.COM
HALLOWELL | SOUTH PORTLAND | BANGOR