

Standards Announcement

Project 2007-09 – Generator Verification

Initial Ballot Results

[Now Available](#)

Initial ballots of three Generator Verification standards and non-binding polls of the associated VRFs and VSLs concluded Monday, April 16, 2012:

- MOD-025-2 – Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability
- MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions
- PRC-019-1 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection

Voting statistics for each ballot are listed below, and the [Ballots Results](#) page provides a link to the detailed results.

Standard	Quorum	Non-binding Poll Results
MOD-025-2 – Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability	Quorum: 88.28% Approval: 41.09%	Quorum: 86.82% Supportive Opinions: 43.72%
MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions	Quorum: 88.04% Approval: 36.84%	Quorum: 86.04% Supportive Opinions: 38.56%
PRC-019-1 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection	Quorum: 88.04% Approval: 48.70%	Quorum: 86.53% Supportive Opinions: 46.38%

Next Steps

The drafting team will consider all comments submitted and make revisions to the standards and other documents to respond to the comments. If the drafting team decides to make substantive revisions, the drafting team will submit the revised standards and consideration of comments received for a quality review prior to posting for a parallel formal 30-day comment period and successive ballot.

Background

The purpose of Project 2007-09 - Generator Verification - is to ensure that: 1) generators will not trip off-line during specified voltage and frequency excursions or as a result of improper coordination between generator-protective relays and generator voltage regulator controls and limit functions (such coordination will include the generating unit's capabilities); and 2) that generator models accurately reflect the generator's capabilities and operating characteristics.

The standard drafting team (SDT) for Project 2007-09 - Generator Verification - based its work on two existing NERC Board-approved standards, MOD-024-1 — Verification of Generator Gross and Net Real Power Capability and MOD-025-1 — Verification of Generator Gross and Net Reactive Power Capability. The drafting team has recently moved the Requirements of MOD-024-1 into MOD-025-2, and recommends retiring MOD-024-1.

The drafting team has also based its work on four draft standards developed by the Phase III & IV SDT that were field tested by four Regions from mid-2006 through mid-2007:

- PRC-019-1 — Coordination of Generating Unit or Plant Capabilities , Voltage Regulating Controls, and Protection
- PRC-024-1 — Generator Performance During Frequency and Voltage Excursions
- MOD-026-1 — Verification of Models and Data for Generator Excitation Control System Functions and Plant Volt/Var Control Functions
- MOD-027-1 — Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions

Additional details are available on the [project webpage](#).

Standards Development Process

The [Standard Processes Manual](#) contains all the procedures governing the standards development process. The success of the NERC standards development process depends on stakeholder participation. We extend our thanks to all those who participate. For more information or assistance, please contact Monica Benson at monica.benson@nerc.net.

*For more information or assistance, please contact Monica Benson,
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