

Standards Announcement

Project 2007-09 – Generator Verification

Successive Ballot Results

[Now Available](#)

Successive ballots of all five Generator Verification standards and non-binding polls of the associated VRF/VSLs concluded on Monday, October 29, 2012 (some of the ballots and non-binding polls were extended until a quorum was reached).

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

Standard	Approval	Non-binding Poll Results
MOD-026-1 – Verification of Models and Data for Generator Excitation System Functions and Plant Volt/Var Control Functions	Quorum: 75.55% Approval: 76.50%	Quorum: 75.88% Supportive Opinions: 79.95%
PRC-024-1 – Generator Performance During Frequency and Voltage Excursions	Quorum: 75.00% Approval: 57.24%	Quorum: 75.40% Supportive Opinions: 55.90%
MOD-025-2 – Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability	Quorum: 83.61% Approval: 68.31%	Quorum: 77.94% Supportive Opinions: 70.72%
MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions	Quorum: 82.34% Approval: 71.53%	Quorum: 78.06% Supportive Opinions: 74.18%
PRC-019-1 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection	Quorum: 82.07% Approval: 70.64%	Quorum: 78.51% Supportive Opinions: 69.39%

Next Steps

The standard drafting team (SDT) will consider all comments submitted, and based on the comments will determine whether to make additional changes. If the SDT determines that no substantive changes are required to address the comments on a particular standard, a recirculation ballot of that standard will be conducted. If the SDT determines that substantive changes are required on a standard, the revised standard will be submitted for quality review and subsequently posted for a 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 Project 2007-09 Generator Verification SDT 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 SDT has recently moved the Requirements of MOD-024-1 into MOD-025-2, and recommends retiring MOD-024-1.

The SDT 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 page](#).

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.

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