



NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Standards Announcement

Project 2010-05.1 Protection System Misoperations

Drafting Team Nomination Period Open

May 20 – June 3, 2011

The Standards Committee is seeking industry experts to serve on the Protection System Phase 1 - Misoperations Standard Drafting Team. This drafting team will draft revisions to the definition of Misoperation as well as revisions to combine PRC-003 and PRC-004 into a single standard.

If you are interested in serving on this drafting team, please complete this [nomination form](#) by **June 3, 2011**.

Project Background

A key element for Bulk Electric System (BES) reliability is the correct performance of Protection Systems. Monitoring BES Protection System events, as well as identifying and correcting the root causes of Misoperations, will improve Protection System performance.

In FERC Order No. 693 (dated March 16, 2007), the Commission identified PRC-003-1 (Regional Procedure for Analysis of Misoperations of Transmission and Generation Protection Systems) as a “fill-in-the-blank” standard and did not approve or remand the standard since the regional procedures had not been submitted. Since PRC-003-1 is not enforceable, there is not a mandatory requirement for Regional procedures to support the requirements of PRC-004-2 (Analysis and Mitigation of Transmission and Generation Protection System Misoperations). This could lead to a potential reliability gap. Additionally, regional procedures are not standardized among the regions, and preclude the development of consistent metrics for measuring Protection System performance. This project will develop an improved standard to support the analysis and mitigation of Misoperations.

In addition, to ensure NERC has clear, technically correct, results-based reliability standards that provide for an adequate level of bulk power system reliability and that are delivered in a timely and efficient manner, NERC has a goal to modify the standards development process to allow rapid development of an initial draft standard by a small professional team with requisite expertise and skills, including legal and compliance, followed by subsequent stakeholder consensus review, comment and balloting. The proposed process provides early consultation, including with regulatory authority staff, to determine a clear set of objectives for the standard. The process could allow highest priority standards to be delivered to the board in a shorter time period than experienced when a larger drafting team is appointed to develop a standard later in the standard development process.

Project 2010-05.1 Protection Systems Misoperations was chosen as a pilot to evaluate one approach for accomplishing this goal. In this approach, an ad hoc team made up of subject matter experts and other diverse skill sets, including legal, compliance, and regulatory expertise will deliver a SAR and draft standard to the Standards Committee (as is allowed within the rules of the current Standards Development process). This

delivery will occur in early June.

The Standards Committee is seeking candidates to proceed with the remaining steps of refining and balloting the standard using the normal standard development process.

The Standards Committee is seeking industry experts in protection systems and events analysis to participate on this drafting team.

Further details are included on the Project 2010-05 project page:

http://www.nerc.com/filez/standards/Project2010-05_Protection_System_Misoperations.html

Standards 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 Eleanor Crouch,
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