



NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

## Standards Announcement

Project 2010-05.1 Protection Systems Phase 1 (Misoperations)

Formal and Informal Comment Period Open June 10 – July 11, 2011

**Now available at:** [http://www.nerc.com/filez/standards/Project2010-05\\_Protection\\_System\\_Misoperations.html](http://www.nerc.com/filez/standards/Project2010-05_Protection_System_Misoperations.html)

The Standards Committee has authorized posting a draft SAR for Phase 1 (Misoperations) of Project 2010-05, Protection Systems, along with an initial draft of PRC-004-3 Protection System Misoperation Identification and Correction, an Excel template to be used for quarterly reporting of misoperations data as called for in the Compliance section of the standard, and a reference document, which is an example to assist entities in completing the reporting template. A proposed implementation plan and several related documents have also been posted for reference, including clean copies of current versions of PRC-003-1, PRC-004-1a, and PRC-004-2, a white paper developed by the NERC System Protection and Control Subcommittee, a list of stakeholder-identified issues and FERC directives associated with the project, and a mapping of the requirements in the current standards to the proposed new requirement.

The SAR is posted for a 30-day informal comment period, and the standard is posted concurrently for a 30-day formal comment period. A single comment form is being used to collect both sets of comments, and the comment period will end at **8 p.m. Eastern on Monday, July 11, 2011.**

### Instructions for Commenting

Please use this [electronic form](#) to submit comments. If you experience any difficulties in using the electronic form, please contact Monica Benson at [monica.benson@nerc.net](mailto:monica.benson@nerc.net). An off-line, unofficial copy of the comment form is posted on the project page:

[http://www.nerc.com/filez/standards/Project2010-05\\_Protection\\_System\\_Misoperations.html](http://www.nerc.com/filez/standards/Project2010-05_Protection_System_Misoperations.html)

### Next Steps

The Standards Committee will appoint a drafting team from the nominations submitted during the nomination period that closed on June 3, 2011. The appointed team will consider all comments and make revisions to the draft standard to address issues identified by commenters. The team will submit its work for quality review. Following quality review, the team's consideration of comments will be posted, along with the revised standard, associated implementation plan, and supporting documents. The standard will then be posted for a 45-day formal comment period with an initial ballot conducted during the last 10 days of the comment period.

### Background

This project addresses two very important issues for NERC and the entire ERO enterprise - reliability and accountability. A key element for BES reliability is the correct performance of Protection Systems. Identifying and correcting the causes of Misoperations should improve Protection System performance.

The scope of the work in this project includes the following:

- Revise the definition of Misoperation
- Combine PRC-003 and PRC-004
- Retire standard PRC-003.

In FERC Order No. 693 (dated March 16, 2007), the Commission identified PRC-003-1 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 no mandatory requirement for the Regional Reliability Organization to develop procedures to support the requirements of PRC-004-2. This gap has been addressed in the draft standard by incorporating the details of what to investigate into new requirements and by adding a periodic data submittal for quarterly reporting of Misoperations data, using a uniform template (provided as an Excel file) in the compliance section of the proposed standard.

The second phase of this project will address revision of the standards associated with Special Protection Systems.

Additional information is available on the project page at [http://www.nerc.com/filez/standards/Project2010-05\\_Protection\\_System\\_Misoperations.html](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 Monica Benson,  
Standards Process Administrator, at [monica.benson@nerc.net](mailto:monica.benson@nerc.net) or at 404-446-2560.*

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