

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

PRC-005-X

Protection System Maintenance and Testing – Phase 3

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August 27, 2014

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- **NERC Antitrust Guidelines**
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- **Notice of Open Meeting**
 - Participants are reminded that this webinar is public. The access number was widely distributed. Speakers on the call should keep in mind that the listening audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

- Sudden Pressure Relay Directive
- PRC-005-X Draft 2 Overview
- Next Steps

- NERC is obligated to address Sudden Pressure Relays based on FERC Order No. 758.
 - NERC has developed revisions to PRC-005 through the standard drafting team (SDT) that reflect the technical work of System Protection and Control Subcommittee (SPCS) and propose necessary sudden pressure relaying for inclusion in PRC-005.

- Four significant revisions:
 - Removal of Requirement R6 and all associated references to R6.
 - Modified Table 5:
 - Added the following note: “In cases where Components of Sudden Pressure Relaying are common to Components listed in Table 1-5, the Components only need to be tested once during a distinct maintenance interval.”
 - Added two rows were to Table 5 to include ‘Electromechanical lockout devices which are directly in a trip path from the fault pressure relay to the interrupting device trip coil (regardless of any monitoring of the control circuitry)’ and ‘Control circuitry associated with Sudden Pressure Relaying whose integrity is monitored and alarmed (See Table 2).’
 - Section 4.2.6.1 of the Applicability was revised to address situations where Balancing Authorities participate in a Reserve Sharing Group (RSG).

- Four significant revisions (*continued*):
 - In the last posting, the SDT included language in the standard that required completion of maintenance activities within three years for newly-identified Automatic Reclosing Components following a notification under Requirement R6, which has been removed. After further discussion, the SDT determined that a separate shorter timeframe for maintenance of newly-identified Automatic Reclosing Components created unnecessary complication within the standard. The SDT determined that entities should maintain Automatic Reclosing Components subject to the standard, according to the timeframes in the maintenance tables. Therefore, Part 3.1, Part 4.1, and their subparts have been removed.

- Smaller additions/changes:
 - Sudden Pressure Relaying was added to Facilities Section 4.2.5.3.
 - Several references of Section 4.2.7 were corrected to 4.2.6 since the Applicability section does not contain a Section 4.2.7.
 - The Evidence Retention section for Requirement R2 was modified to include two different scenarios as follows: “in cases where the interval of the maintenance activity is longer than the audit cycle, and ‘In cases where the interval of the maintenance activity is shorter than the audit cycle.’”
 - The SDT made changes to the Supplementary Reference and FAQ Document to reflect the changes in the Standard.
 - References to Special Protection System (SPS) were changed to reference Remedial Action Scheme (RAS) due to the fact that the SDT addressing this issue has proposed that terminology for future use.

- Next Steps

- September 30 – October 2, 2014 – PRC-005-X Face-to-Face SDT Meeting
- September 2014 – Final Ballot
- November 12-13, 2014 – Board of Trustees Adoption
- December 31, 2014 – File with FERC

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Questions and Answers