



# AESO Reliability Standards Monthly Report

September 2009

## PRC-005-2 - Protection System Maintenance and Testing

### **Purpose:**

Revised Standard, Version 1.

### **Current Standards:**

PRC-005-1 — Transmission and Generation Protection System Maintenance and Testing  
PRC-008-0 — Underfrequency Load Shedding Equipment Maintenance Program  
PRC-011-0 — UVLS System Maintenance and Testing  
PRC-017-0 — Special Protection System Maintenance and Testing.

### **Proposed Standard:**

PRC-005-2 addresses FERC directives from FERC Order 693 as well as issues identified by stakeholders. In accordance with the FERC directives, this draft standard establishes requirements for a time-based maintenance program, where all relevant devices are maintained according to prescribed maximum intervals. It further establishes requirements for a condition-based maintenance program, where the hands-on maintenance intervals are adjusted to reflect the known and reported condition of the relevant devices, and for a performance-based maintenance program, where the hands-on maintenance intervals are adjusted to reflect the historical performance of the relevant devices. PRC-005-2 will replace the 4 current standards noted above.

### **Applicability:**

Transmission Owners, Generator Owners, Distribution Providers

### **Current Status:**

The standard was posted for comment until September 8, 2009. The AESO did not submit comments.

### **NERC Link:**

[Protection System Maintenance and Testing](#)