

A. Introduction

- 1. Title:** **Transmission Protection System Maintenance and Testing**
- 2. Number:** PRC-005-0
- 3. Purpose:** To ensure all transmission protection system misoperations are analyzed for cause and corrective action, and maintenance and testing programs are developed and implemented.
- 4. Applicability:**
 - 4.1.** Transmission Owner
 - 4.2.** Generator Owner that owns Transmission protection systems
 - 4.3.** Distribution Provider that owns Transmission protection systems
- 5. Effective Date:** April 1, 2005

B. Requirements

- R1.** The Transmission Owner, Generator Owner and Distribution Provider that owns a transmission protection system shall have a transmission protection system maintenance and testing program in place. The program(s) shall include:
 - R1.1.** Transmission protection system identification shall include but are not limited to:
 - R1.1.1.** Relays.
 - R1.1.2.** Instrument transformers.
 - R1.1.3.** Communications systems, where appropriate.
 - R1.1.4.** Batteries.
 - R1.2.** Documentation of maintenance and testing intervals and their basis.
 - R1.3.** Summary of testing procedure.
 - R1.4.** Schedule for system testing.
 - R1.5.** Schedule for system maintenance.
 - R1.6.** Date last tested/maintained.
- R2.** The Transmission Owner, Generator Owner, and Distribution Provider that owns a transmission protection system shall provide documentation of its transmission protection system program and its implementation to the appropriate Regional Reliability Organization and NERC on request (within 30 calendar days).

C. Measures

- M1.** The Transmission Owner, Generator Owner, and Distribution Provider that owns a transmission protection system shall have a transmission protection system maintenance and testing program as defined in Reliability Standard PRC-005-0_R1.
- M2.** The Transmission Owner, Generator Owner, and Distribution Provider that owns a transmission protection system shall have evidence it provided documentation of its transmission protection system maintenance and testing program and the implementation of its program as defined in Reliability Standard PRC-005-0_R2.

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Monitoring Responsibility

Regional Reliability Organization.

Each Regional Reliability Organization shall report compliance and violations to NERC via the NERC compliance reporting process.

1.2. Compliance Monitoring Period and Reset Timeframe

On request (within 30 calendar days.)

1.3. Data Retention

None specified.

1.4. Additional Compliance Information

None.

2. Levels of Non-Compliance

2.1. Level 1: Documentation of the maintenance and testing program was incomplete, but records indicate implementation was on schedule.

2.2. Level 2: Documentation of the maintenance and testing program was provided, but records indicate that implementation was not on schedule.

2.3. Level 3: Documentation of the maintenance and testing program was incomplete, and records indicate implementation was not on schedule.

2.4. Level 4: Documentation of the maintenance and testing program, or its implementation, was not provided.

E. Regional Differences

1. None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New