

A. Introduction

- 1. Title:** Undervoltage Load Shedding System Maintenance and Testing
- 2. Number:** PRC-011-0
- 3. Purpose:** Provide system preservation measures in an attempt to prevent system voltage collapse or voltage instability by implementing an Undervoltage Load Shedding (UVLS) program.
- 4. Applicability:**
 - 4.1.** Transmission Owner that owns a UVLS system
 - 4.2.** Distribution Provider that owns a UVLS system
- 5. Effective Date:** April 1, 2005

B. Requirements

- R1.** The Transmission Owner and Distribution Provider that owns a UVLS system shall have a UVLS equipment maintenance and testing program in place. This program shall include:
 - R1.1.** The UVLS system identification which shall include but is 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 and Distribution Provider that owns a UVLS system shall provide documentation of its UVLS equipment maintenance and testing program and the implementation of that UVLS equipment maintenance and testing program to its Regional Reliability Organization and NERC on request (within 30 calendar days).

C. Measures

- M1.** Each Transmission Owner and Distribution Provider that owns a UVLS system shall have documentation that its UVLS equipment maintenance and testing program conforms with Reliability Standard PRC-011-0_R1.
- M2.** Each Transmission Owner and Distribution Provider that owns a UVLS system shall have evidence it provided documentation of its UVLS equipment maintenance and testing program and the implementation of that UVLS equipment maintenance and testing program as specified in Reliability Standard PRC-011-0_R2.

D. Compliance

- 1. Compliance Monitoring Process**

1.1. Compliance Monitoring Responsibility

Compliance Monitor – British Columbia Utilities Commission

Compliance Monitor's Administrator – Western Electricity Coordinating Council

1.2. Compliance Monitoring Period and Reset Timeframe

On request (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 complete, but records indicate implementation was not on schedule.

2.2. Level 2: Documentation of the maintenance and testing program was incomplete, but records indicate implementation was 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

None identified.