

**A. Introduction**

- 1. Title:** Special Protection System Review Procedure
- 2. Number:** PRC-012-0
- 3. Purpose:** To ensure that all Special Protection Systems (SPS) are properly designed, meet performance requirements, and are coordinated with other protection systems. To ensure that maintenance and testing programs are developed and misoperations are analyzed and corrected.
- 4. Applicability:**
  - 4.1.** Regional Reliability Organization
- 5. Effective Date:** April 1, 2005

**B. Requirements**

- R1.** Each Regional Reliability Organization with a Transmission Owner, Generator Owner, or Distribution Providers that uses or is planning to use an SPS shall have a documented Regional Reliability Organization SPS review procedure to ensure that SPSs comply with Regional criteria and NERC Reliability Standards. The Regional SPS review procedure shall include:
  - R1.1.** Description of the process for submitting a proposed SPS for Regional Reliability Organization review.
  - R1.2.** Requirements to provide data that describes design, operation, and modeling of an SPS.
  - R1.3.** Requirements to demonstrate that the SPS shall be designed so that a single SPS component failure, when the SPS was intended to operate, does not prevent the interconnected transmission system from meeting the performance requirements defined in Reliability Standards TPL-001-0, TPL-002-0, and TPL-003-0.
  - R1.4.** Requirements to demonstrate that the inadvertent operation of an SPS shall meet the same performance requirement (TPL-001-0, TPL-002-0, and TPL-003-0) as that required of the contingency for which it was designed, and not exceed TPL-003-0.
  - R1.5.** Requirements to demonstrate the proposed SPS will coordinate with other protection and control systems and applicable Regional Reliability Organization Emergency procedures.
  - R1.6.** Regional Reliability Organization definition of misoperation.
  - R1.7.** Requirements for analysis and documentation of corrective action plans for all SPS misoperations.
  - R1.8.** Identification of the Regional Reliability Organization group responsible for the Regional Reliability Organization's review procedure and the process for Regional Reliability Organization approval of the procedure.
  - R1.9.** Determination, as appropriate, of maintenance and testing requirements.
- R2.** The Regional Reliability Organization shall provide affected Regional Reliability Organizations and NERC with documentation of its SPS review procedure on request (within 30 calendar days).

**C. Measures**

- M1.** The Regional Reliability Organization with a Transmission Owner, Generator Owner, or Distribution Provider using or planning to use an SPS shall have a documented Regional review procedure as defined in Reliability Standard PRC-012-0\_R1.
- M2.** The Regional Reliability Organization shall have evidence it provided affected Regional Reliability Organizations and NERC with documentation of its SPS review procedure on request (within 30 calendar days).

**D. Compliance**

**1. Compliance Monitoring Process**

**1.1. Compliance Monitoring Responsibility**

Compliance Monitor: NERC.

**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 Regional Reliability Organization’s procedure is missing one of the items listed in Reliability Standard PRC-012-0\_R1.

**2.2. Level 2:** Documentation of the Regional Reliability Organization’s procedure is missing two of the items listed in Reliability Standard PRC-012-0\_R1.

**2.3. Level 3:** Documentation of the Regional Reliability Organization’s procedure is missing three of the items listed in Reliability Standard PRC-012-0\_R1.

**2.4. Level 4:** Documentation of the Regional Reliability Organization’s procedure was not provided or is missing four or more of the items listed in Reliability Standard PRC-012-0\_R1.

**E. Regional Differences**

- 1.** None identified.

**Version History**

<b>Version</b>	<b>Date</b>	<b>Action</b>	<b>Change Tracking</b>
0	April 1, 2005	Effective Date	New