

A. Introduction

1. **Title:** Remedial Action Scheme Review Procedure
2. **Number:** PRC-012-1
3. **Purpose:** To ensure that all Remedial Action Schemes (RAS) 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:** See Implementation Plan for the Revised Definition of “Remedial Action Scheme”

B. Requirements

- R1. Each Regional Reliability Organization with a Transmission Owner, Generator Owner, or Distribution Providers that uses or is planning to use a RAS shall have a documented Regional Reliability Organization RAS review procedure to ensure that RAS comply with Regional criteria and NERC Reliability Standards. The Regional RAS review procedure shall include:
 - R1.1. Description of the process for submitting a proposed RAS for Regional Reliability Organization review.
 - R1.2. Requirements to provide data that describes design, operation, and modeling of a RAS.
 - R1.3. Requirements to demonstrate that the RAS shall be designed so that a single RAS component failure, when the RAS 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 a RAS 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 RAS 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 RAS 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 RAS 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 a RAS shall have a documented Regional review procedure as defined in Reliability Standard PRC-012-1_R1.
- M2.** The Regional Reliability Organization shall have evidence it provided affected Regional Reliability Organizations and NERC with documentation of its RAS 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-012-1_R1.
- 2.2. Level 2:** Documentation of the Regional Reliability Organization’s procedure is missing two of the items listed in Reliability Standard PRC-012-1_R1.
- 2.3. Level 3:** Documentation of the Regional Reliability Organization’s procedure is missing three of the items listed in Reliability Standard PRC-012-1_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-012-1_R1.

E. Regional Differences

- 1.** None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
1	November 13, 2014	Adopted by the NERC Board of Trustees	Replaced references to Special Protection System and SPS with Remedial Action Scheme and RAS