

Implementation Plan for PRC-012-2

Project 2010-05.3 Phase 3 of Protection Systems: Remedial Action Schemes (RAS)

Requested Approval

- PRC-012-2 – Remedial Action Schemes

Requested Retirements

- PRC-012-1 – Remedial Action Scheme Review Procedure
- PRC-013-1 – Remedial Action Scheme Database
- PRC-014-1 – Remedial Action Scheme Assessment
- PRC-015-1 – Remedial Action Scheme Data and Documentation
- PRC-016-1 – Remedial Action Scheme Misoperations

Applicable Entities

- Reliability Coordinator
- Planning Coordinator
- RAS-entity – the Transmission Owner, Generator Owner, or Distribution Provider that owns all or part of a RAS

Background

On November 13, 2014, the NERC Board of Trustees approved revisions to the definition for Remedial Action Scheme (“RAS”) and associated revisions to related Reliability Standards to consolidate that term with the Glossary term “Special Protection System” (SPS).

In its February 3, 2015 petition to the Commission for approval of the definition of RAS and associated Reliability Standards (“Petition”), NERC noted that, although PRC-012-0, PRC-013-0, and PRC-014-0 were neither approved nor remanded by the Commission in Order No. 693 and were therefore not enforceable, NERC revised these standards to account for the RAS definition revision and changed relevant version numbers to reflect the change. Because of this change, NERC requested retirement of PRC-012-0, PRC-013-0, and PRC-014-0, and provided, for informational purposes only, updated Reliability Standards PRC-012-1, PRC-013-1, and PRC-014-1. In the same Petition, NERC requested retirement of PRC-015-0 and PRC-016-0.1 and approval of Reliability Standards PRC-015-1 and PRC-016-1, again implementing changes stemming from the revised definition of RAS.

On June 18, 2015, the Commission issued a Notice of Proposed Rulemaking (NOPR) proposing to accept the revisions to the RAS definition and associated standards, and on November 19, 2015, the Commission issued a Final Order approving the RAS definition and associated standards.

General Considerations

Reliability Standard PRC-012-2 was developed to consolidate previously unapproved standards which were designated by the Commission as “fill-in-the-blank” standards and to revise other RAS-related standards. Reliability Standard PRC-012-2 also provides clear and unambiguous responsibilities to the specific users, owners, and operators of the Bulk-Power System. Reliability Standard PRC-012-2 establishes a new working framework between RAS-entities, PCs, and RCs, and this new framework will involve considerable start-up effort. As such, implementation of Reliability Standard PRC-012-2 will occur over a thirty six (36) month period after approval of the standard by applicable governmental authorities.

Limited Impact RAS

A RAS implemented prior to the effective date of PRC-012-2 that has been through the regional review processes of WECC or NPCC and is classified as either a Local Area Protection Scheme (LAPS) in WECC or a Type 3 in NPCC is recognized as a limited impact RAS upon the effective date of PRC-012-2 and is subject to all applicable requirements.

Effective Date

Where approval by an applicable governmental authority is required, Reliability Standard PRC-012-2 shall become effective on the first day of the first calendar quarter that is thirty six (36) months after the effective date of the applicable governmental authority’s order approving the standard, or as otherwise provided for by the applicable governmental authority. Provisions concerning the initial performance of obligations under Requirements R4, R8, and R9 are outlined below.

Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is thirty six (36) months after the date the standard is adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction. Provisions concerning the initial performance of obligations under Requirements R4, R8, and R9 are outlined below.

Requirement R4

For existing RAS, initial performance of obligations under Requirement R4 must be completed within five (5) full calendar years after the effective date of PRC-012-2, as described above.

For new or functionally modified RAS, the initial performance of Requirement R4 must be completed within five (5) full calendar years after the date that the RAS is approved by the reviewing RC(s) under Requirement R3.

Requirement R8

For each RAS not designated as limited impact, initial performance of obligations under Requirement R8 must be completed at least once within six (6) full calendar years after the effective date for PRC-012-2, as described above.

For each RAS designated as limited impact, initial performance of obligations under Requirement R8 must be completed at least once within twelve (12) full calendar years after the effective date for PRC-012-2, as described above.

Requirement R9

For each Reliability Coordinator that does not have a RAS database, the initial obligation under Requirement R9 is to establish a database by the effective date of PRC-012-2.

Each Reliability Coordinator will perform the obligation of Requirement R9 within twelve full calendar months after the effective date of PRC-012-2, as described above.

Retirement of Existing Standards

The Reliability Standards for retirement shall be retired immediately prior to the effective date of PRC-012-2 in the particular jurisdiction in which the standard is becoming effective.