

Standard Development Roadmap

This section is maintained by the drafting team during the development of the standard and will be removed when the standard becomes effective.

Development Steps Completed:

1. Draft 1 of SAR posted for comment June 11, 2007 – July 10, 2007.
2. SAR approved on August 13, 2007.
3. First posting of revised standard PRC-001-2 on September 11, 2009
4. PRC-001-2 was adopted by the NERC Board of Trustees on May 9, 2012.
5. First draft of PRC-001-3 was posted from June 4 – July 3, 2013.

Note: Originally, PRC-001-1 had six requirements. The three operating time frame requirements (R2, R5, and R6) were retired by Project 2007-03 Real-time Operations. PRC-001-2, adopted by the NERC Board of Trustees on May 9, 2012, contains the three remaining legacy requirements. The Project 2007-06 System Protection Coordination SDT is recommending retirement of the two planning horizon requirements (R2 and R3) of PRC-001-2 because the Protection System coordination issues they address are included in Reliability Standard PRC-027-1. [Since the last posting, the Independent Experts Review Panel \(Independent Experts\) released its Final Report and Requirements Scoring Spreadsheet which reviewed and assessed the content and quality of the NERC Reliability Standards. The Independent Experts concluded that PRC-001-2, Requirement R1 contains ambiguous language and suggested that it be incorporated into the PER standards. The Independent Experts further suggested that all of the training requirements in NERC’s Reliability Standards be consolidated. Work is currently underway to incorporate the conclusions of the Independent Experts into the standards development process. Requirement R1 of PRC-001-3 will be included in this review.](#)

Description of Current Draft:

The System Protection Coordination Standard Drafting Team (SPCSDT) is proposing the retirement of Requirements R2 and R3 from PRC-001-2. PRC-001-3 contains the remaining Requirement R1, as well as updated pro forma language for the “Effective Date” and “Compliance” sections of the standard.

Future Development Plan:

Anticipated Actions	Anticipated Date
45-day Formal Comment Period with Ballot	November - December 2013
Final Ballot	March 2014
BOT Adoption	May 2014

Definitions of Terms Used in Standard

This section includes all newly defined or revised terms used in the proposed standard. Terms already defined in the Reliability Standards Glossary of Terms are not repeated here. New or revised definitions listed below become approved when the proposed standard is approved. When the standard becomes effective, these defined terms will be removed from the individual standard and added to the glossary.

There are no new or revised definitions proposed in this standard revision.

A. Introduction

1. **Title:** System Protection Coordination

2. **Number:** PRC-001-2.3

3. **Purpose:**

To ensure system protection is coordinated among operating entities.

4. **Applicability**

4.1. Balancing Authorities

4.2. Transmission Operators

4.3. Generator Operators

Updated to current pro forma language

5. **Effective Date:** PRC-001-3 shall become effective on the first day of the first calendar quarter that is twelve (12) months after the date that the standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. 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 twelve (12) months after the date the standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction. ~~All requirements become effective the first day of the first calendar quarter twelve months following applicable regulatory approval. In those jurisdictions where no regulatory approval is required, the requirements become effective the first day of the first calendar quarter twelve months following Board of Trustees' adoption.~~

B. Requirements

R1. Each Transmission Operator, Balancing Authority, and Generator Operator shall be familiar with the purpose and limitations of Protection System schemes applied in its area. *[Violation Risk factor: High][Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*

~~**R2.**—A Generator Operator or Transmission Operator shall coordinate new protective systems and changes as follows:~~

~~**R2.1.**—Each Generator Operator shall coordinate all new protective systems and all protective system changes with its Transmission Operator and Host Balancing Authority. *[Violation Risk Factor: High][Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*~~

~~**R2.2.**—Each Transmission Operator shall coordinate all new protective systems and all protective system changes with neighboring Transmission Operators and Balancing Authorities. *[Violation Risk Factor: High][Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*~~

~~**R3.**—Each Transmission Operator shall coordinate Protection Systems on major transmission lines and interconnections with neighboring Generator Operators, Transmission Operators, and Balancing Authorities. *[Violation Risk Factor: High][Time Horizon: Operations Planning, Same-day Operations, Real-time Operations]*~~

C. Measures

~~M1. Each Generator Operator and Transmission Operator shall have and provide upon request evidence that could include, but is not limited to, revised fault analysis study, letters of agreement on settings, notifications of changes, or other equivalent evidence that will be used to confirm that there was coordination of new protective systems or changes as noted in Requirements 2, 2.1, and 2.2.~~

D. Compliance

1. Compliance Monitoring Process

Updated to current pro forma language

1.1. Compliance Enforcement Authority

As defined in the NERC Rules of Procedure, “Compliance Enforcement Authority” means NERC or the Regional Entity in their respective roles of monitoring and enforcing compliance with the NERC Reliability Standards.~~The Regional Entity shall be responsible for compliance monitoring.~~

1.2. Data Retention

The following evidence retention periods identify the period of time an entity is required to retain specific evidence to demonstrate compliance. For instances where the evidence retention period specified below is shorter than the time since the last audit, the Compliance Enforcement Authority may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

~~Each Generator Operator and Transmission Operator shall have current, in force documents available as evidence of compliance for Measure 1.~~

If an entity is found non-compliant, the entity shall keep information related to the noncompliance until found compliant or for two years plus the current year, whichever is longer.

~~Evidence used as part of a triggered investigation shall be retained by the entity being investigated for one year from the date that the investigation is closed, as determined by the Compliance Monitor.~~

The Compliance Enforcement Authority~~Monitor~~ shall keep the last periodic audit report and all requested and submitted subsequent compliance records.

1.3. Compliance Monitoring and Assessment Processes

One or more of the following methods will be used to assess compliance:

- Self-certification (Conducted annually with submission according to schedule.)
- Spot Check Audits (Conducted anytime with up to 30 days notice given to prepare.)
- Periodic Audit (Conducted once every three years according to schedule.)

- Triggered Investigations (Notification of an investigation must be made within 60 days of an event or complaint of noncompliance. The entity will have up to 30 days to prepare for the investigation. An entity may request an extension of the preparation period and the extension will be considered by the Compliance Enforcement Authority ~~Monitor~~ on a case-by-case basis.)

1.4. Additional Compliance Information

None.

2. Violation Severity Levels

Reqmt. #	VRF	Time Horizon	Lower	Moderate	High	Severe
R1	High	Operations Planning, Same-day Operations, Real-time Operations	N/A	N/A	The responsible entity failed to be familiar with the limitations of Protection System schemes applied in its area.	The responsible entity failed to be familiar with the purpose of Protection System schemes applied in its area.
R2	N/A	N/A	N/A	N/A	N/A	N/A
R2.1	High	Operations Planning, Same-day Operations, Real-time Operations	The Generator Operator failed to coordinate one new protective system or protective System change with either its Transmission Operator or its Host Balancing Authority or both.	The Generator Operator failed to coordinate two new protective systems or protective System changes with either its Transmission Operator or its Host Balancing Authority, or both.	The Generator Operator failed to coordinate three new protective systems or protective System changes with either its Transmission Operator or its Host Balancing Authority, or both.	The Generator Operator failed to coordinate more than three new protective systems or protective System changes with its Transmission Operator or its Host Balancing Authority, or both.
R2.2	High	Operations Planning, Same-day Operations, Real-time	The Transmission Operator failed to coordinate one new protective	The Transmission Operator failed to coordinate two new protective	The Transmission Operator failed to coordinate three new protective	The Transmission Operator failed to coordinate more than three new protective

		Operations	system-or protective System-change with neighboring Transmission Operators-or Balancing Authorities,-or both.	systems-or protective System-changes with neighboring Transmission Operators-or Balancing Authorities,-or both.	systems-or protective System-changes with neighboring Transmission Operators-or Balancing Authorities,-or both.	systems-or protective System-changes with neighboring Transmission Operators-or Balancing Authorities,-or both.
R3	High	Operations Planning, Same-day Operations, Real-time Operations	The Transmission Operator failed to coordinate Protection Systems on major transmission lines and interconnections with one-of its neighboring Generator Operators, Transmission Operators,-or Balancing Authorities.	The Transmission Operator failed to coordinate Protection Systems on major transmission lines and interconnections with two-of its neighboring Generator Operators, Transmission Operators,-or Balancing Authorities.	The Transmission Operator failed to coordinate Protection Systems on major transmission lines and interconnections with three-of its neighboring Generator Operators, Transmission Operators,-or Balancing Authorities.	The Transmission Operator failed to coordinate Protection Systems on major transmission lines and interconnections with three-or more-of its neighboring Generator Operators, Transmission Operators,-and Balancing Authorities.

E. Regional Differences

None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0	August 8, 2005	Removed “Proposed” from Effective Date	Errata
0	August 25, 2005	Fixed Standard number in Introduction from PRC-001-1 to PRC-001-0	Errata
1	November 1, 2006	Adopted by Board of Trustees	Revised
2	May 9, 2012 TBD	Delete data requirements as they are now handled in TOP-003-2.	Deleted Requirements 2, 5, and 6.
2	May 9, 2012	Adopted by Board of Trustees	Revised
2	September 20, 2012	Capitalized “ Protection System ” to conform with errata changes made in PRC-001-1.1	Errata
3	TBD	Deleted R2, R3, M1, and associated VSLs. Updated “Effective Date” and “Compliance” pro forma language in Sections ‘A’ and ‘D.’	Revised