

# Implementation Plan

## Project 2007-06 System Protection Coordination

### Approvals Requested

- PRC-027-1 – Coordination of Protection Systems for Performance During Faults

### Retirements Requested

- PRC-001-1.1(ii) – System Protection Coordination<sup>1</sup>

### Prerequisite Approvals (for Retirements Requested)

- ~~TOP-009-1 – Knowledge of Composite Protection Systems and Remedial Action Schemes and Their Effects~~
- PER-006-1 – Specific Training for Personnel
- Definition of “Operational Planning Analysis”
- Definition of “Real-time Assessment”

### Applicable Entities

- Transmission Owner
- Generator Owner
- Distribution Provider (that owns Protection Systems identified in the Facilities section 4.2 of PRC-027-1)

### New or Modified Term(s) for Glossary of Terms Used in NERC Reliability Standards

#### Protection System Coordination Study

An analysis to determine whether Protection Systems operate in the intended sequence during Faults.

#### Effective Date of New or Revised Standards

#### PRC-027-1 – Coordination of Protection Systems for Performance During Faults

Reliability Standard PRC-027-1 shall become effective on the first day of the first calendar quarter that is twenty-four (24) months after the date that the standard is approved by an applicable governmental

<sup>1</sup> The complete retirement of PRC-001-1.1(ii) is contingent upon the approval of both proposed Reliability Standards PRC-027-1 and ~~TOP-009-1~~PER-006-1, and the proposed definitions for “Operational Planning Analysis” and “Real-time Assessment.” NERC is proposing the complete retirement of PRC-001-1.1(ii) in the implementation plans associated with both PRC-027-1 and ~~TOP-009~~PER-006-1. The Project 2007-06 System Protection Coordination Mapping Document shows how PRC-027-1 addresses requirements R3 and R4 of PRC-001-1.1(ii). The remaining requirements of PRC-001-1.1(ii) – Requirements R1, R2, R5, and R6 are proposed for retirement in Project 2007-6.2 Phase 2 of System Protection Coordination (see the Mapping Document for Project 2007-06.2 Phase 2 of System Protection Coordination).

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 twenty-four (24) months after the date the standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

### **Effective Date for New or Modified NERC Glossary Terms**

The NERC Glossary Term “Protection System Coordination Study” shall become effective on the effective date for PRC-027-1.

### **Retirements**

#### **PRC-001-1.1(ii) – System Protection Coordination**

PRC-001-1.1(ii) – System Protection Coordination shall be retired at midnight of the day immediately prior to the day that ~~TOP-009~~PER-006-1 and PRC-027-1 become effective.

#### **Initial Performance of Requirement R2**

For each option under Requirement R2, the six-calendar-year interval begins on the effective date of PRC-027-1. The initial Protection System Coordination Study(ies) for Option 1, and the Fault current comparison(s) and any Protection System Coordination Study(ies) required as a result of the Fault current comparison(s) in Option 2 must be completed in accordance with Requirement R2 no later than six-calendar years after the effective date of PRC-027-1. However, applicable entities using Option 2 for their initial performance of Requirement R2 must establish an initial Fault current baseline by the effective date of PRC-027-1.