

# 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)

- 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 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

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<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 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 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 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 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.