

Implementation Plan

Project 2018-04 Modifications to PRC-024-2 Reliability Standard PRC-024-3

Applicable Standard

- Reliability Standard PRC-024-3 – Frequency and Voltage Protection Settings for Generating Resources

Requested Retirement

- Reliability Standard PRC-024-2 – Generator Frequency and Voltage Protective Relay Settings

Prerequisite Standard(s)

- None

Applicable Entities

- Generator Owners that apply protection listed in Section 4.2.1.
- Transmission Owners (in the Quebec Interconnection only) that own a BES generator step-up (GSU) transformer or main power transformer (MPT) and apply protection listed in Section 4.2.1.
- Planning Coordinators (in the Quebec Interconnection only)

Background

Reliability Standard PRC-024-3 contains a series of revisions and clarifications intended to help ensure that inverter-based resources respond to grid disturbances in a manner that contributes to the reliable operation of the Bulk-Power System.

The standard was revised to address recommendations of the NERC Inverter-Based Resource Performance Task Force. These recommendations were developed in response to the findings and recommendations of the NERC and WECC analysis of the [Blue Cut Fire](#) and [Canyon 2 Fire](#) disturbances in southern California.

In addition, the standard includes a Regional Variance for the Quebec Interconnection and related revisions to clarify the applicability of the standard in that Interconnection.

General Considerations

This Implementation Plan is intended to provide applicable entities with sufficient time to evaluate settings, make changes for applicable equipment, and purchase necessary equipment, if necessary.

Setting changes and equipment installations are typically completed during generating Facility outages, which may be scheduled in up to twenty-four (24) month intervals.

Effective Date

Reliability Standard PRC-024-3

Where approval by an applicable governmental authority is required, the standard shall become effective on the first day of the first calendar quarter that is twenty-four (24) 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.

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.

Retirement Date

Reliability Standard PRC-024-2

Reliability Standard PRC-024-2 shall be retired immediately prior to the effective date of Reliability Standard PRC-024-3 in the particular jurisdiction in which the revised standard is becoming effective.