

# Implementation Plan

## Project 2015-09 Establish and Communicate System Operating Limits

### Applicable Standard(s) and Definitions

- FAC-011-4 - System Operating Limits Methodology for the Operations Horizon
- FAC-014-3 - Establish and Communicate System Operating Limits
- FAC-003-5 - Transmission Vegetation Management
- PRC-002-3 - Disturbance Monitoring and Reporting Requirements
- PRC-023-5 - Transmission Relay Loadability
- PRC-026-2 - Relay Performance During Stable Power Swings
- TOP-001-6 - Transmission Operations
- IRO-008-3 - Reliability Coordinator Operational Analyses and Real-time Assessments
- Definition of System Voltage Limit in the Glossary of Terms Used in NERC Reliability Standards (“NERC Glossary”)
- Definition of System Operating Limit in the NERC Glossary

### Requested Retirement(s)

- FAC-010-3 - System Operating Limits Methodology for the Planning Horizon
- FAC-011-3 - System Operating Limits Methodology for the Operations Horizon
- FAC-014-2 - Establish and Communicate System Operating Limits
- FAC-003-4 - Transmission Vegetation Management
- PRC-002-2 - Disturbance Monitoring and Reporting Requirements
- PRC-023-4 - Transmission Relay Loadability
- PRC-026-1 - Relay Performance During Stable Power Swings
- TOP-001-5 - Transmission Operations
- IRO-008-2 - Reliability Coordinator Operational Analyses and Real-time Assessments
- Currently-effective definition of System Operating Limit

### Effective Date

The effective date for proposed Reliability Standards FAC-011-4, FAC-014-3, FAC-003-5, PRC-002-3, PRC-023-5, PRC-026-2, TOP-001-6, IRO-008-3 and the NERC Glossary terms “System Voltage Limit” and “System Operating Limit” is provided below:

Where approval by an applicable governmental authority is required, Reliability Standards FAC-011-4, FAC-014-3, FAC-003-5, PRC-002-3, PRC-023-5, PRC-026-2, TOP-001-6, IRO-008-3 and the NERC Glossary terms “System Voltage Limit” and “System Operating Limit” shall become effective the first day of the first calendar quarter that is twenty-four (24) calendar months after the effective date of

the applicable governmental authority's order approving the standards and terms, or as otherwise provided for by the applicable governmental authority.

Where approval by an applicable governmental authority is not required, Reliability Standards FAC-011-4, FAC-014-3, FAC-003-5, PRC-002-3, PRC-023-5, PRC-026-2, TOP-001-6, IRO-008-3 and the NERC Glossary terms "System Voltage Limit" and "System Operating Limit" shall become effective on the first day of the first calendar quarter that is twenty-four (24) calendar months after the date the standards and terms are adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction.

## **Retirement Date**

### **Currently-Effective NERC Reliability Standards**

Reliability Standards FAC-010-3, FAC-011-3, FAC-014-2, FAC-003-4, PRC-002-2, PRC-023-4, and PRC-026-1, TOP-001-5, IRO-008-3 shall be retired immediately prior to the effective date of the proposed Reliability Standards FAC-011-4, FAC-014-3, FAC-003-5, PRC-002-3, PRC-023-5, PRC-026-2, and the current definition of System Operating Limit.

### **Prior Implementation Plans**

Unless otherwise specified herein, the elements of the Implementation Plans for FAC-003-4, PRC-002-2, PRC-023-4, and PRC-026-1 are incorporated herein by reference and shall remain applicable to FAC-003-5, PRC-002-3, PRC-023-5, and PRC-026-2. The following is a description of the elements from prior implementation plans that remain applicable without modification:

- *FAC-003-5: Newly Designated Lines time period*
  - A line operated below 200kV and identified in the Applicability under 4.2 becomes subject to this standard the later of: 1) 12 months after the date the Planning Coordinator, Transmission Planner or WECC identified the line in Applicability under 4.2, or 2) January 1 of the planning year when the line is forecasted to be identified in Applicability under 4.2. A line operating below 200kV identified in Applicability under 4.2 may be removed from that designation due to system improvements, changes in generation, changes in loads, or changes in studies, and analysis of the network.
- *PRC-002-3 Requirements R2, R3, R4, R6, R7, R8, R9, R10, R11: Initial Date:*
  - Entities shall be at least 50 percent compliant within four (4) years of the effective date of PRC-002-2 and fully compliant within six (6) years of the effective date.
  - Entities that own only one (1) identified BES bus, BES Element, or generating unit shall be fully compliant within six (6) years of the effective date of PRC-002-2.
- *PRC-002-3 Requirements R2, R3, R4, R6, R7, R8, R9, R10, R11: Time Period to Address New Designations:*
  - Entities shall be 100 percent compliant with new BES Elements identified in Requirement R1 or R5 within three (3) years following the notification by the Transmission Operator or the Reliability Coordinator.

- *PRC-023-4: Time Period to address new designations is retained:*
  - Each Transmission Owner, Generator Owner, and Distribution Provider with circuits identified by the Planning Coordinator pursuant to Requirement R6 shall meet R1 on the later of the first day of the first calendar quarter 39 months following notification by the Planning Coordinator of a circuit's inclusion on a list of circuits per application of Attachment B, or the first day of the first calendar year in which any criterion in Attachment B applies, unless the Planning Coordinator removes the circuit from the list before the applicable effective date.

### **Additional Provisions**

The following are additional implementation provisions to address revisions in the Reliability Standards that require new or different actions by the same or different entities than the prior version of the Reliability Standards required.

- *PRC-002-3, Requirement R5*
  - Reliability Coordinators in the Eastern Interconnect shall be fully compliant with Requirement R5 within six (6) months of the effective date of PRC-002-3.
- *PRC-023-5*
  - Each Planning Coordinator shall conduct its first assessment under PRC-023-5 within the next calendar year after the effective date or within 15 months of their last assessment under PRC-023-4, whichever occurs first.
- *PRC-026-2*
  - Each Planning Coordinator shall complete Requirement R1 within the calendar year of the effective date unless they have already completed Requirement R1 under PRC-026-1 for that calendar year, in which case they must complete Requirement R1 within the following year.
- *FAC-014-3, Requirement R6*
  - Requirement R6 shall be implemented by the Planning Coordinator or Transmission Planner following the effective date of FAC-014-3 when it begins its next cycle for conducting the studies to support its Planning Assessment.
- *FAC-014-3, Requirements R7 and R8*
  - Each Planning Coordinator and Transmission Planner shall comply with Requirements R7 and R8 within one year of the effective date of the standard.