



NERC and Regional Coordination Update



Reliability Standards and Compliance Subcommittee
Preston Walker
March 17, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
PRC-006-SERC-02	<p>SERC RELIABILITY STANDARD PRC-006-SERC-02 AUTOMATIC UNDER FREQUENCY LOAD SHEDDING REQUIREMENTS</p> <p>The SERC Standards Committee has reviewed the revisions and Consideration of Comments documents and approved posting for Initial Ballots. Revisions to the Standard included:</p> <ul style="list-style-type: none">• Definition for PC area added to provide clarity.• Removed the term 'distribution' to prevent the misinterpretation that only distribution load can be used for a UFLS scheme.• Added the flexibility for the PC to choose the peak season to base UFLS plan. <p>Initial Ballot items will be posted on March 16, 2017.</p>	Initial Ballot	4/3/2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
VAR-001-4.1 VAR-002-4	<p data-bbox="243 435 1520 477">Project 2016-EPR-02 – Enhanced Periodic Review of VAR Standards</p> <p data-bbox="243 509 1663 786">The purpose of this project is to conduct a periodic review of a subset of the VAR Reliability Standards. The periodic review comprehensively reviews Standards to evaluate, for example, whether the requirements are clear and unambiguous. The periodic review will include background information, along with any associated worksheets or reference documents, to guide a comprehensive review that results in a recommendation that the Reliability Standard should be:</p> <ul data-bbox="243 808 1654 971" style="list-style-type: none"><li data-bbox="243 808 1045 850">(1) reaffirmed as is (i.e., no changes needed);<li data-bbox="243 867 1654 909">(2) revised (which may include revising or retiring one or more requirements); or<li data-bbox="243 925 499 967">(3) withdrawn.	Comment Period	4/13/2017



Current Manual Revisions – Operational Changes

➤ April 1, 2017

- EOP-011-1 – Emergency Operations
 - **M-13 Revisions**
- IRO-002-4 - Reliability Coordination — Monitoring and Analysis
 - **M-37 Revisions**
- IRO-010-2 – Reliability Coordinator Data Specification and Collection (R3)
 - **M-01 and M-38 Revisions**
- IRO-017-1 — Outage Coordination
 - **M-38 Revisions**
- TOP-003-3 – Operational Reliability Data (R5)
 - **M-01 and M-38 Revisions**

➤ July 1, 2017

- MOD-033-1 - Steady-State and Dynamic System Model Validation
 - **M-14B Revisions**

➤ October 1, 2017

- COM-001-3 – Communications
 - **M-01 Revisions**



NERC Standards Subject to Future Enforcement

➤ April 1, 2017

- EOP-004-3 – Event Reporting
- EOP-010-1 – Geomagnetic Disturbance Operations (R2)
- FAC-010-3 - System Operating Limits Methodology for the Planning Horizon
- FAC-011-3 - System Operating Limits Methodology for the Operations Horizon
- IRO-001-4 – Reliability Coordination – Responsibilities
- IRO-008-2 – Reliability Coordinator Operational Analyses and Real-time Assessments
- IRO-014-3 — Coordination Among Reliability Coordinators
- MOD-029-2a – Rated System Path Methodology
- MOD-030-3 – Flowgate Methodology
- PRC-010-1 – Undervoltage Load Shedding
- PRC-015-1 - Remedial Action Scheme Data and Documentation
- PRC-016-1 - Remedial Action Scheme Misoperations
- PRC-017-1 - Remedial Action Scheme Maintenance and Testing
- PRC-023-4 - Transmission Relay Loadability



NERC Standards Subject to Future Enforcement

- **April 1, 2017 (continued)**
 - TOP-001-3 – Transmission Operations
 - TOP-002-4 – Operations Planning
- **April 2, 2017**
 - PRC-004-5(i) - Protection System Misoperation Identification and Correction
 - PRC-010-2 – Undervoltage Load Shedding
- **July 1, 2017**
 - TPL-007-1 - Transmission System Planned Performance for Geomagnetic Disturbance Events (R1)
- **January 1, 2018**
 - PRC-026-1 – Relay Performance During Stable Power Swings (R1)
- **April 1, 2018**
 - IRO-018-1 – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
 - IRO-018-1(i) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
 - TOP-010-1 – Real-time Reliability Monitoring and Analysis Capabilities



NERC Standards Subject to Future Enforcement

➤ July 1, 2018

- MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions (Requirements R2, R2.1 – R2.1.6)
- MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions (R2, R2.1 – R2.1.5)
- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R2)

➤ January 1, 2019

- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R5)

➤ January 1, 2021

- PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)
- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)

➤ January 1, 2022

- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R3, R4, R7)