



NERC and Regional Coordination Update



Reliability Standards and Compliance Subcommittee
Preston Walker
February 16, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
PER-003-1 PER-004-2	<p data-bbox="237 431 1650 521">Project 2016-EPR-01 Enhanced Periodic Review of Personnel Performance, Training, and Qualifications Standards</p> <p data-bbox="237 578 1650 951">The purpose of this project is to conduct a periodic review of a subset of Personnel Performance, Training, and Qualifications (PER) 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. The Periodic Review Team recommends the following:</p> <ol data-bbox="237 1000 1650 1089" style="list-style-type: none">1. Revisions to PER-003-1 to add clarification regarding NERC Cert. Program2. Retire PER-004-2 <p data-bbox="237 1146 1650 1187">PJM SME's agree with the PRT Recommendations</p>	Comment Period	2/23/2017



NERC Standards Subject to Future Enforcement

➤ April 1, 2017

- EOP-004-3 – Event Reporting
- EOP-010-1 – Geomagnetic Disturbance Operations (R2)
- EOP-011-1 – Emergency Operations – **M-13 Revisions**
- 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-002-4 - Reliability Coordination — Monitoring and Analysis – **M-37 Revisions**
- IRO-008-2 – Reliability Coordinator Operational Analyses and Real-time Assessments
- IRO-010-2 – Reliability Coordinator Data Specification and Collection (R3) – **M-1 and M-38 Revisions**
- IRO-014-3 — Coordination Among Reliability Coordinators
- IRO-017-1 — Outage Coordination – **M-38 Revisions**
- MOD-029-2a – Rated System Path Methodology
- MOD-030-3 – Flowgate Methodology



NERC Standards Subject to Future Enforcement

- April 1, 2017 (continued)
 - 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
 - TOP-001-3 – Transmission Operations
 - TOP-002-4 – Operations Planning
 - TOP-003-3 – Operational Reliability Data (R5) – **M-1 and M-38 Revisions**
- April 2, 2017
 - PRC-004-5(i) - Protection System Misoperation Identification and Correction
 - PRC-010-2 – Undervoltage Load Shedding



NERC Standards Subject to Future Enforcement

- July 1, 2017
 - MOD-033-1 - Steady-State and Dynamic System Model Validation – **M-14B Revisions**
 - TPL-007-1 - Transmission System Planned Performance for Geomagnetic Disturbance Events (R1)
- October 1, 2017
 - COM-001-3 – Communications
- 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)