



# NERC and Regional Coordination Update

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System Operations Subcommittee - Transmission

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# NERC Standards Under Development

Standards	Project	Activity	Due Date
PER-003-1 PER-004-2	<p data-bbox="295 261 1691 368"><b>Project 2016-EPR-01 Enhanced Periodic Review of Personnel Performance, Training, and Qualifications Standards</b></p> <p data-bbox="295 432 1995 768">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 that the Reliability Standard should be:</p> <ul data-bbox="295 832 1702 996" style="list-style-type: none"><li>(1) reaffirmed as is (i.e., no changes needed);</li><li>(2) revised (which may include revising or retiring one or more requirements); or</li><li>(3) withdrawn.</li></ul>	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
  - 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
  - IRO-008-2 – Reliability Coordinator Operational Analyses and Real-time Assessments
  - IRO-010-2 – Reliability Coordinator Data Specification and Collection (R3)
  - IRO-014-3 — Coordination Among Reliability Coordinators
  - IRO-017-1 — Outage Coordination
  - MOD-029-2a – Rated System Path Methodology
  - MOD-030-3 – Flowgate Methodology

- 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)
- April 2, 2017
  - PRC-004-5(i) - Protection System Misoperation Identification and Correction
  - PRC-010-2 – Undervoltage Load Shedding

- July 1, 2017
  - MOD-033-1 - Steady-State and Dynamic System Model Validation
  - 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)