



# Standards Under Development Update

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# NERC Standards Under Development

Standards	Project	Activity	Due Date
PER-006-1	<p><b>Project 2007-06.2 “Phase 2 of System Protection Coordination”</b></p> <p>This project proposes:</p> <ul style="list-style-type: none"> <li>➤ Modifications to the definitions of Operational Planning Analysis (OPA) and Real-Time Assessment (RTA);</li> <li>➤ New Reliability Standard PER-006-1, “Specific Training for Personnel” (for Generator Operators)</li> </ul>	<p><b>Comments Close</b></p> <p><b>Initial Ballot</b></p>	<p><b>4/25/16</b></p> <p><b>4/15/16 to 4/25/16</b></p>
COM-001-3	<p><b>Project 2015-07 “Internal Communications Capabilities”</b></p> <p>The scope of this project includes:</p> <ul style="list-style-type: none"> <li>➤ Internal telecommunications or other internal communication systems “between geographically separate control centers within the same functional entity.”</li> <li>➤ Internal telecommunications or other internal communication systems “between a control center and field personnel.”</li> </ul>	<p><b>Comments Close</b></p> <p><b>Additional Ballot</b></p>	<p><b>5/06/16</b></p> <p><b>4/27/16 to 5/06/16</b></p>



## NERC Standards Subject to Future Enforcement

### ➤ July 1, 2016

- CIP-002-5.1- Cyber Security – BES Cyber System Categorization;
- CIP-005-5 - Cyber Security – Electronic Security Perimeter(s);
- CIP-003-6 - Cyber Security – Security Management Controls;
- CIP-004-6 - Cyber Security – Personnel & Training;
- CIP-006-6 - Cyber Security – Physical Security of BES Cyber Systems;
- CIP-007-6 - Cyber Security – System Security Management;
- CIP-008-5 - Cyber Security – Incident Reporting and Response Planning;
- CIP-009-6 - Cyber Security – Recovery Plans for BES Cyber Systems;
- CIP-010-2 - Cyber Security – Configuration Change Management and Vulnerability Assessments;
- CIP-011-2 - Cyber Security – Information Protection
- BAL-001-2 - Real Power Balancing Control Performance
- COM-002-4 - Operating Personnel Communications Protocols
- MOD-025-2 - Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability



## NERC Standards Subject to Future Enforcement

### ➤ July 1, 2016

- MOD-031-1 - Demand and Energy Data
- PER-005-2 - Operations Personnel Training
- PRC-002-2 - Disturbance Monitoring and Reporting Requirements
- PRC-004-4(i) - Protection System Misoperation Identification and Correction;
- PRC-019-1 - Coord of Gen Unit or Plant Capabilities, Voltage Regulating Controls, and Protection
- PRC-019-2 - Coord of Gen Unit or Plant Capabilities, Voltage Regulating Controls, and Protection
- PRC-024-1 - Generator Frequency and Voltage Protective Relay Settings
- PRC-024-2 - Generator Frequency and Voltage Protective Relay Settings



## NERC Standards Subject to Future Enforcement

- January 1, 2017
  - IRO-010-2 – Reliability Coordinator Data Specification and Collection (R1 and R2)
  - TOP-003-3 – Operational Reliability Data (All Requirements but R5)
- April 1, 2017
  - EOP-011-1 – Emergency Operations
  - 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
  - PRC-010-1 – Undervoltage Load Shedding
  - TOP-001-3 – Transmission Operations
  - TOP-002-4 – Operations Planning
  - TOP-003-3 – Operational Reliability Data (R5)



## NERC Standards Subject to Future Enforcement

- 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
- January 1, 2018
  - PRC-026-1 - Relay Performance During Stable Power Swings (R1)
- January 1, 2020
  - PRC-026-1 - Relay Performance During Stable Power Swings (R2, R3 & R4)