



# NERC and Regional Coordination Update

Bill Temple, Sr. Lead Compliance Analyst  
System Operations Subcommittee  
April 27, 2016



Standards	Project	Activity	Due Date
<b>COM-001-3</b>	<p data-bbox="293 257 2000 307"><b>Project 2015-07 Internal Communications Capabilities</b></p> <p data-bbox="293 314 2000 421">FERC directed that NERC to either develop a new standard or make the following modification to the existing COM-001-2 standard:</p> <ul data-bbox="293 478 2000 1292" style="list-style-type: none"> <li data-bbox="293 478 2000 635">• Address our concerns regarding ensuring the adequacy of internal communications capability whenever internal communications could directly affect the reliable operation of the Bulk-Power System.</li> <li data-bbox="293 642 2000 849">• The Commission directs NERC to develop a modification to Reliability Standard COM-001-2 that addresses internal communications capabilities that could involve the issuance or receipt of Operating Instructions or other communications that could have an impact on reliability</li> <li data-bbox="293 856 2000 1178">• “address the adequacy of internal telecommunications (or other internal communication systems) that may have an adverse effect on reliability, even within a single functional entity, including:               <ul data-bbox="420 1021 1872 1178" style="list-style-type: none"> <li data-bbox="420 1021 1872 1120">• (1) communications between geographically separate control centers within the same functional entity; and</li> <li data-bbox="420 1128 1872 1178">• (2) communications between a control center and field personnel.</li> </ul> </li> <li data-bbox="293 1185 2000 1292">• These scenarios present a gap in reliability of the Bulk-Power System that NERC should address.”</li> </ul>	<b>Comments Close</b>	<b>5/6/16</b>
		<b>Additional Ballot</b>	<b>4/27/16 to 5/6/16</b>

➤ 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

➤ 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

- 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-010-1 – Geomagnetic Disturbance Operations \(Requirement 2\)](#)
  - 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)

- 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-R4)