NERC and Regional Coordination Update

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NERC and Regional Coordination
PC – February 11, 2016
BARC 2 Periodic Review Team (PRT) recommended to revise BAL-005-0.2b and BAL-006-2. Second Drafts of BAL-005-1 and FAC-001-3 are posted for comments. Revisions to existing versions include the following:

1. BAL-005-1: Retiring several requirements and moving/merging content of the remaining requirements. Previous version had 17 requirements, new one has 7.
2. FAC-001-3: Added various sub-requirements to requirements of FAC-001-2 as a result of moving BAL-005-0.2b R1 to FAC-001-3

No change to BAL-006-2 this posting
1. BAL-006-3: No change to any requirements in BAL-006-2 except for R3, which has been moved to BAL-005-1
On November 19, 2015, the FERC issued Order No. 817 approving nine TOP and IRO standards from Project 2014-03 and retiring or superseding 18 currently-enforceable standards. The proposed standards were developed in Project 2014-03 to address FERC concerns and reliability issues identified in the 2011 Southwest Outage Report, the Independent Experts Review Panel project, and stakeholder technical conferences. In approving the new TOP and IRO standards, FERC issued three directives to modify the TOP and IRO standards to address additional reliability issues.

- Monitoring non-Bulk Electric System facilities
- Redundancy and Diverse Routing of Data Exchange Capabilities
- Testing of the Alternate or Less Frequently Used Data Exchange Capability

### Standards

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<th>Standards</th>
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<td>SAR for IRO-018-2 TOP-010-2</td>
<td>Project 2016-01 - Modifications to TOP and IRO Standards</td>
<td>Comments Close</td>
<td>2/22/16</td>
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January 1, 2016

PRC-005-6 – Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance became effective. Previous PRC-005 Reliability Standard versions PRC-005-2(ii), PRC-005-3, PRC-005-3(i), PRC-005-3(ii), PRC-005-4, and PRC-005-5 have been retired without ever becoming effective.

Under the approved PRC-005-6 implementation plan:
• All Components with existing requirements under PRC-005-2(i) will continue to follow the PRC-005-2(i) implementation plan, which is incorporated by reference.
• Implementation of requirements for new systems and Components added in the subsequent PRC-005 standard versions will be governed according to a new, streamlined compliance date schedule based on the regulatory approval date of PRC-005-6. Entities will be required to demonstrate compliance with the various requirements of this Reliability Standard for their newly applicable Components beginning in 2017.

Link to the Implementation Plan:
July 1, 2016

- 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
- 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
- PRC-002-2 – Disturbance Monitoring and Reporting Requirements

NERC Standards Subject to Future Enforcement
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- **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