



Reliability Standards and Compliance Subcommittee

February 18, 2016



- 1) Administration
 - a. Call to Order / Role Call
 - b. Review of Administrative Documents:
 - i. Antitrust Guidelines
 - ii. Code of Conduct
 - iii. Compliance Disclaimer
 - iv. Media Statement
 - c. Additions to / approval of the Agenda
 - d. Review and approval of the Minutes from the January 15, 2016 RSCS meeting



- 2) PJM Compliance Activities:
 - a. Manual Updates
 - i. No Manual updates for review this month.
 - b. Standards Drafting Team positions
 - a. No positions open with any Standard Drafting Team.



- 2) PJM Compliance Activities:
 - c) Mr. Moleski will review the updated version of CB017
 - d) Mr. Moleski will review the updated GOP compliance contact spreadsheet that has been posted to the web.
 - e) Mr. Kuras will update the Subcommittee on recent correspondence PJM has had w/ SERC re: MOD-017 through MOD-021 data for 2016.

- 2) PJM Compliance Activities:
 - f) Mr. Herman will review the Annual TPL documentation including the 2015 RTEP Baseline Assessment and the 2015 RTEP Maximum Credible Disturbance Reports
 - g) Mr. Kappagantula will highlight the changes made to v9.1 of the TO/TOP Matrix.
 - h) Mr. Holman will discuss PJM's approach to reviewing the recommendations in the FERC-NERC-Regional Entity Joint Review of Restoration and Recovery Plans report.

3) FERC Activities

Mr. Temple will provide an update to the membership on the activities, issues, and items of interest regarding FERC

4) NERC Activities

a. Committee Updates (Mr. Holman)

b. Standards under development (Mr. Kuras)



NERC Standards Under Development

Standards	Project	Activity	Due Date
BAL-005-0.2b BAL-006-2 FAC-001-1	<p>Project 2010-14.2.1 Phase 2 of Balancing Authority Reliability-based Controls</p> <p>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:</p> <ol style="list-style-type: none"> BAL-005-1: Retiring several requirements and moving/merging content of the remaining requirements. Previous version had 17 requirements, new one has 7. 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 <p>No change to BAL-006-2 this posting</p> <ol style="list-style-type: none"> BAL-006-3: No change to any requirements in BAL-006-2 except for R3, which has been moved to BAL-005-1 	<p>Additional Ballot</p> <p>Comments Close</p>	<p>12/31/15 – 1/11/16</p> <p>1/11/16</p>



NERC Standards Under Development

Standards	Project	Activity	Due Date
IRO-018-1 TOP-010-1	<p>Project 2009-02 Real-time Reliability Monitoring and Analysis Capabilities</p> <p>Project addresses the recommendations from NERC Operating Committee's Real-time Best Practices Task Force, FERC Order 693 directives, and BES event reports. Second drafts of both standards posted for comment and ballot. Revisions to posted drafts include:</p> <ol style="list-style-type: none"> 1. IRO-018-1 – Applicable to RCs <ol style="list-style-type: none"> i. R1.3 asks for actions RC shall take to resolve Real-time data quality issues with <u>“when data quality affects Real-time Assessments.”</u> This resulted in deletion of R2 & R4, requirements that dealt with informing System Operators of the quality of data and analysis used in Real-time assessments. ii. R3 – removed word “independent” to clarify that each RC shall have an alarm process to provide notifications to System Operators when Real-time monitoring alarm processor fails 2. TOP-010-1 – Applicable to TOPs & BAs <ol style="list-style-type: none"> i. Deleted sub-sub requirements (1.1.1-1.1.4, 2.1.1-2.1.4). Other changes very similar to IRO-018-1 changes mentioned above. 3. Updated Guidelines and Technical Basis sections for both standards. 	<p>Additional Ballot</p> <p>Comments Close</p>	<p>1/15/2016 – 1/25/16</p> <p>1/25/16</p>



NERC Standards Subject to Future Enforcement

- January 1, 2016
 - FAC-001-2 - Facility Interconnection Requirements
 - FAC-002-2 - Facility Interconnection Studies
 - NUC-001-3 - Nuclear Plant Interface Coordination
 - PRC-005-4 – Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance
- April 1, 2016
 - PRC-005-3 - Protection System and Automatic Reclosing Maintenance
 - PRC-005-3(i) - Protection System and Automatic Reclosing Maintenance (w/disp gen)



NERC Standards Subject to Future Enforcement

➤ 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 - 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

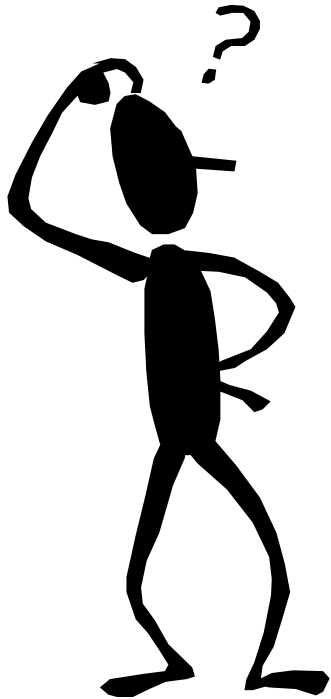


NERC Standards Subject to Future Enforcement

- January 1, 2017
 - IRO-010-2 – Reliability Coordinator Data Specification and Collection
 - TOP-003-3 – Operational Reliability Data
- April 1, 2017
 - EOP-011-1 – Emergency Operations
 - IRO-001-4 – Reliability Coordination – Responsibilities
 - PRC-010-1 – Undervoltage Load Shedding
 - PRC-010-2 – Undervoltage Load Shedding
 - TOP-001-3 – Transmission Operations
 - TOP-002-4 – Operations Planning
- July 1, 2017
 - MOD-033-1 - Steady-State and Dynamic System Model Validation



5. Member Issues





THANK
YOU