



# Reliability Standards and Compliance Subcommittee

January 15, 2016



- 1) Administration
  - a. Call to Order / Rolle 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 December 18, 2015 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.

### 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
<b>IRO-018-1</b> <b>TOP-010-1</b>	<p><b>Project 2009-02 Real-time Reliability Monitoring and Analysis Capabilities</b></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"> <li>1. IRO-018-1 – Applicable to RCs               <ol style="list-style-type: none"> <li>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 &amp; R4, requirements that dealt with informing System Operators of the quality of data and analysis used in Real-time assessments.</li> <li>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</li> </ol> </li> <li>2. TOP-010-1 – Applicable to TOPs &amp; BAs               <ol style="list-style-type: none"> <li>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.</li> </ol> </li> <li>3. Updated Guidelines and Technical Basis sections for both standards.</li> </ol>	<p><b>Additional Ballot</b></p> <p><b>Comments Close</b></p>	<p><b>1/15/2016</b>  <b>– 1/25/16</b></p> <p><b>1/25/16</b></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



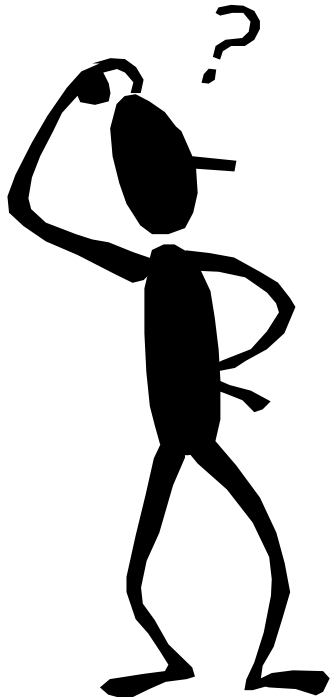
## NERC Standards Subject to Future Enforcement

- 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