



# Reliability Standards and Compliance Subcommittee

January 20, 2017



- 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 December 16, 2016 RSCS meeting



## 2) PJM Compliance Activities:

### a. Manual Updates

#### i) Manual 01 – Mr. Nice



## 2) PJM Compliance Activities:

### b. NERC Standard Drafting Team Vacancies

[Program Areas & Departments > Standards > Drafting Team Vacancies](#)

#### Drafting Team Vacancies

Additional subject matter experts are occasionally sought for project drafting teams. Participation on drafting teams provides stakeholders an excellent opportunity to become familiar with the standards development process, play a pivotal role in improving electric reliability, and interact with industry peers.

Industry stakeholders can nominate themselves or others for consideration by the Standards Committee. By submitting a nomination for a drafting team, you are indicating your willingness and agreement to actively participate in the standards development process and in drafting team meetings. If appointed by the Standards Committee, you are expected to attend most of the face-to-face meetings as well as participate in the meetings held via conference call.

The [Standard Processes Manual](#) provides information on the process and drafting team participation.

Previous drafting team experience is beneficial, but not required. A brief description of the desired qualifications, expected commitment, and other pertinent information is included on the project page and the nomination form, which can be accessed via the links below.

Project Name	Links	Dates
None at this time		

### 2) PJM Compliance Activities (cont.):

#### c) PJM Compliance Bulletin Refresh

1. Compliance Bulletin 4 (CB004) NERC Standard MOD-004-1-
2. Compliance Bulletin 10 (CB010) NERC Standard MOD-020-0

Applicable entities are all fulfilled by PJM, except LSE.

LSEs were removed from the functional model in October of 2015. Some LSEs may need to prove compliance into their next audit, so the Bulletins will remain on the web, be marked retired, and no longer subject to periodic review.



### 2) PJM Compliance Activities (cont.):

#### c) PJM Compliance Bulletin Refresh

#### 3. Compliance Bulletin 3 (CB003) Definition of Annual.

PJM CB defines annual as once per calendar year, with no more than 15 months between actions.

NERC Compliance Application Notice (CAN) mimics the PJM language, but suggests that the 15 month max is a “best practice”, rather than a hard deadline.



- 4) **NERC and Regional Activities**
  - a. Committee Updates (Mr. Holman)
  - b. Standards Under Development (Mr. Kuras)



# NERC Standards Under Development

Standards	Project	Activity	Due Date
<b>SAR TPL-007-2</b>	<b>Project 2013-03 Geomagnetic Disturbance Mitigation</b> On September 22, 2016, FERC issued <a href="#">Order No. 830</a> approving Reliability Standard TPL-007-1 - Transmission System Planned Performance for Geomagnetic Disturbance Events. In the order, FERC directed NERC to develop certain modifications to the Standard, or to develop other new or revised Standards. The revisions include: <ul style="list-style-type: none"><li>· Modify the benchmark GMD event definition used for GMD Vulnerability Assessments;</li><li>· Make related modifications to requirements pertaining to transformer thermal impact assessments;</li><li>· Require collection of GMD-related data. NERC is directed to make data available; and</li><li>· Require deadlines for Corrective Action Plans (CAPs) and GMD mitigating actions.</li></ul> FERC established a deadline of 18 months from the effective date of Order No. 830 for completing the revisions, which is May 2018.	<b>Informal Comments</b>	<b>1/20/2017</b>





# NERC Standards Under Development

Standards	Project	Activity	Due Date
PER-003-1 PER-004-2	<p data-bbox="241 435 1654 524"><b>Project 2016-EPR-01 Enhanced Periodic Review of Personnel Performance, Training, and Qualifications Standards</b></p> <p data-bbox="241 581 1654 857">The purpose of this project is to conduct a periodic review of a subset of Personnel Performance, Training, and Qualifications (PER) Reliability Standards. The periodic review comprehensively reviews standards to evaluate, for example, whether the requirements are clear and unambiguous. The periodic review will include background information, along with any associated worksheets or reference documents, to guide a comprehensive review that results in a recommendation that the Reliability Standard should be:</p> <ul data-bbox="241 914 1654 1044" style="list-style-type: none"><li>(1) reaffirmed as is (i.e., no changes needed);</li><li>(2) revised (which may include revising or retiring one or more requirements); or</li><li>(3) withdrawn.</li></ul>	<b>Comment Period</b>	<b>2/23/2017</b>



# NERC Standards Under Development

Standards	Project	Activity	Due Date
	<p><b>NERC Glossary of Terms</b> NERC updated Glossary of Terms on with a new format. It is now divided into four sections and each section is organized in alphabetical order. The new sections are:</p> <ol style="list-style-type: none"><li>1. Subject to Enforcement</li><li>2. Pending Enforcement</li><li>3. Retired Terms</li><li>4. Regional Definitions</li></ol> <p>The reference provides links to associated project page, acronyms, Board of Trustees adoption dates, FERC approval dates, effective dates, and definitions.</p>	Informational Update	None



# NERC Standards Subject to Future Enforcement

- April 1, 2017
  - EOP-004-3 – Event Reporting
  - EOP-010-1 – Geomagnetic Disturbance Operations (R2)
  - EOP-011-1 – Emergency Operations
  - FAC-010-3 - System Operating Limits Methodology for the Planning Horizon
  - FAC-011-3 - System Operating Limits Methodology for the Operations Horizon
  - 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
  - MOD-029-2a – Rated System Path Methodology
  - MOD-030-3 – Flowgate Methodology



## NERC Standards Subject to Future Enforcement

- April 1, 2017 (continued)
  - PRC-010-1 – Undervoltage Load Shedding
  - PRC-015-1 - Remedial Action Scheme Data and Documentation
  - PRC-016-1 - Remedial Action Scheme Misoperations
  - PRC-017-1 - Remedial Action Scheme Maintenance and Testing
  - PRC-023-4 - Transmission Relay Loadability
  - 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



## NERC Standards Subject to Future Enforcement

- July 1, 2017
  - MOD-033-1 - Steady-State and Dynamic System Model Validation
  - TPL-007-1 - Transmission System Planned Performance for Geomagnetic Disturbance Events (R1)
- October 1, 2017
  - COM-001-3 – Communications
- January 1, 2018
  - PRC-026-1 – Relay Performance During Stable Power Swings (R1)
- April 1, 2018
  - IRO-018-1 – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
  - IRO-018-1(i) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
  - TOP-010-1 – Real-time Reliability Monitoring and Analysis Capabilities

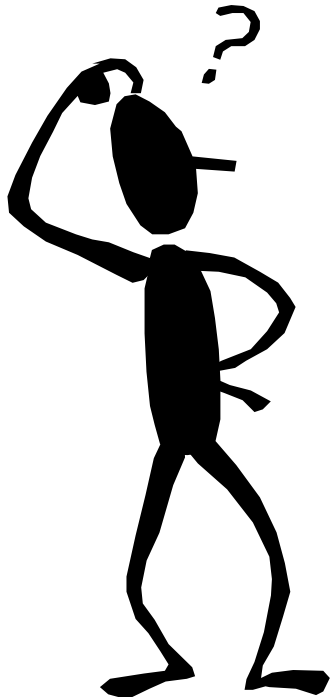


## NERC Standards Subject to Future Enforcement

- July 1, 2018
  - MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions (Requirements R2, R2.1 – R2.1.6)
  - MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions (R2, R2.1 – R2.1.5)
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R2)
- January 1, 2019
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R5)
- January 1, 2021
  - PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
- January 1, 2022
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R3, R4, R7)



# Member Issues







**Thank You!**