



NERC and Regional Coordination Update



System Operations Subcommittee
Preston Walker
October 4, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
TPL-001-5	<p>Project 2015-10 Single Points of Failure TPL-001-5 – Transmission System Planning Performance Requirements</p> <p>Applicability: PC, TP</p> <p>Purpose: The SPCS and the SAMS conducted an assessment of protection system single points of failure in response to FERC Order No. 754. Revisions include:</p> <ul style="list-style-type: none">• R1 – Updated reference to MOD-032-1• R1 – Modified how known outages are selected for study• R2 – Modified P1 contingencies simulated (steady state) for known outages.• R2 – Added model conditions for analysis of P1 events for known outages.• R2 – Added stability analysis requirement for long lead time equipment unavailability.• R4 – Added documentation requirement if Cascading observed given 3-phase fault SPF.	Comments	10/23/2017



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	<p>Draft Reliability Guideline: Gas and Electrical Operational Coordination Considerations</p> <p>Applicability: RC, BA, TOP, GO, GOP</p> <p>Purpose:</p> <p>The goal of the coordination is to ensure that both the gas and electric systems remain secure and reliable during normal, abnormal, and emergency conditions. This guideline attempts to provide a set of principles and strategies that may be adopted should the region in which you operate require close coordination due to increased dependency. This guideline also focuses on the areas of preparation, coordination, communication, and intelligence that may be applied in order to coordinate operations and minimize risk.</p>	Comments	11/3/2017

➤ **January 1, 2018**

- BAL-002-2 – Disturbance Control Standard – Contingency Reserve for Recovery from a Balancing Contingency Event
- PRC-026-1 – Relay Performance During Stable Power Swings (R1)

➤ **April 1, 2018**

- IRO-018-1(i) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
- TOP-010-1 – Real-time Reliability Monitoring and Analysis Capabilities

➤ **July 1, 2018**

- MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/VAR Control Functions (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)
- TOP-001-4 – Transmission Operations
- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R2)



NERC Standards Subject to Future Enforcement

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- **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)

Questions?

Preston Walker
NERC & Regional Coordination
(610) 635-3096
Preston.Walker@pjm.com