



NERC and Regional Coordination Update



Reliability Standards and Compliance Subcommittee
Preston Walker
December 15, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
	<p data-bbox="258 443 1367 483">Draft Reliability Guideline: Methods for Establishing IROLS</p> <p data-bbox="258 500 562 589">Applicability: RC, PC, TOP, TP</p> <p data-bbox="258 605 432 654">Purpose:</p> <p data-bbox="258 670 1587 898">The goal of this guideline is to provide guidance and technically sound methods for the industry in establishing Interconnection Reliability Operating Limits (IROLS). The guideline provides an overall framework and detailed technical reference material related to the assessment of the following to ensure Reliable Operation of the BPS:</p> <ul data-bbox="310 914 783 1084" style="list-style-type: none">• System Instability• Uncontrolled Separation• Cascading	Comments	1/29/2018



NERC Standards Subject to Future Enforcement

➤ **January 1, 2018**

- BAL-002-2 – Disturbance Control Standard – Contingency Reserve for Recovery from a Balancing Contingency Event
- BAL-502-RF-03 – Planning Resource Adequacy Analysis, Assessment and Documentation
- PRC-006-SERC-02 – Automatic Underfrequency Load Shedding Requirements
- 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



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 (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)

➤ 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?

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