



Reliability Compliance Update

Reliability Standards and Compliance Subcommittee
Preston Walker
February 15, 2018



NERC Standards Under Development

Standards	Project	Action	End Date
INT-004-3.1 INT-006-4 INT-009-2.1 INT-010-2.1	<p>Project 2017-04 Periodic Review of Interchange Scheduling and Coordination Standards (INT)</p> <p>Applicability: BA, PSE, TSP</p> <p>Purpose: The Periodic Review Team (PRT) has mad the following recommendations:</p> <ul style="list-style-type: none">• INT-004-3.1 (Retire)• INT-010-2.1 (Retire)• INT-006-4 (Revise)• INT-009-2.1 (Revise) <p>The PRT believes that many of the INT Requirements are redundant and do little to protect the Bulk Electric System.</p>	Comment Period	02/23/2018



NERC Standards Under Development

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MOD-025-2 MOD-026-1 MOD027-1	Draft Reliability Guideline: Power Plant Model and Verification Testing for Synchronous Machines Applicability: GO, TO, TP Purpose: This guideline covers an array of testing considerations, procedures, and how those tests help derive or verify model parameters, as related to MOD-025-2, MOD-026-1, and MOD027-1. This document describes tests that may need to be performed for generating facilities depending on specific situations (e.g., commissioning, development of a baseline model, and model verification).	Comment Period	02/23/2018



NERC Standards Under Development

Standards	Project	Action	End Date
PRC-004 PRC-008	Project 2017-07 Standards Alignment with Registration Purpose: An additional comment period is open to: <ul style="list-style-type: none">• Consider whether to include a definition for UFLS into the NERC Glossary• Review the Standards to ensure consistent use of the term “Planning Coordinator”• Remove references to PRC-004 and PRC-008 from to SAR due to being out of scope	Comment Period	03/02/2018



NERC Standards Under Development

Standards	Project	Action	End Date
PER-003-2	<p>Project 2017-02 Modifications to Personnel Performance, Training, and Qualifications Standards</p> <p>Applicability: RC, TOP, BA</p> <p>Purpose:</p> <ul style="list-style-type: none">• The PER Team recommends a footnote be added to PER-003 to ensure stakeholders understand (i) the connection between the Standard and the Program Manual; and (ii) that the certifications referenced under PER-003-1 are those under the NERC System Operator Certification Program.• The PER-004-2 standard falls within Paragraph 81 Criterion B7 and should be retired	<ul style="list-style-type: none">• Comment• Ballot	03/07/2018



NERC Standards Subject to Future Enforcement

➤ 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)

➤ January 1, 2019

- BAL-005-1 – Balancing Authority Control
- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R5)



NERC Standards Subject to Future Enforcement

- **January 1, 2020**
 - PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)
- **January 1, 2021**
 - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
 - PRC-012-2 – Remedial Action Schemes
- **January 1, 2022**
 - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R3, R4, R7)



Questions?

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