



Reliability Compliance Update

System Operations Subcommittee
Preston Walker
September 6, 2018



NERC Standards Under Development

Standards	Project	Action	End Date
TPL-001-5	Project 2015-10 Single Points of Failure TPL-001-5 Applicability: PC, TP Purpose: Revisions provide clear, unambiguous, and results-based Reliability Standard Requirements to address the recommendations identified in the System Protection and Control Subcommittee (SPCS) and System Analysis and Modeling Subcommittee (SAMS) report titled “Order No. 754 Assessment of Protection System Single Points of Failure Based on the Section 1600 Data Request”.	<ul style="list-style-type: none">• Ballot• Comment	09/14/2018



NERC Standards Under Development

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	<p data-bbox="315 268 1786 372">Revisions to the Reliability Functional Model (FM) and Reliability Functional Model Technical Document (FMTD)</p> <p data-bbox="315 439 524 486">Purpose:</p> <p data-bbox="351 511 1939 843">The most fundamental question is whether the FM is still relevant to the industry, and if not, what if anything should replace it. The remaining questions are of a general nature, respecting possible changes to the FM and FMTD. To the extent there is industry support to make these changes, there would be a subsequent posting containing the proposed detailed changes, in a draft version 6 of the FM and FMTD.</p>	<p data-bbox="2023 268 2226 301">Comment</p>	<p data-bbox="2277 268 2494 301">09/17/2018</p>



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Standards	Project	Action	End Date
FAC-010-3 FAC-011-3 FAC-014-2 RC-002-2 PRC-023-4 PRC-026-1	<p>Project 2015-09 – Establish and Communicate System Operating Limits</p> <p>Applicability: DP, GO, RC, PC, TO, TOP, TP</p> <p>Purpose: The Reliability Standards that address SOLs (FAC-010, FAC-011, and FAC-014) have remained essentially unchanged since their initial versions.</p> <p>One of the primary objectives of Project 2015-09 is to make changes to the FAC Standards to create better alignment with the currently effective TPL, TOP, and IRO Standards and the revised definitions of Operational Planning Analysis (OPA) and Real-time Assessments (RTA).</p>	<ul style="list-style-type: none"> • Ballot • Comment 	10/10/2018

➤ **Workshops**

- Monitoring and Situational Awareness Technical Conference – October 2–3, 2018, Carmel, Indiana

➤ **Webinars**

- BES Reference Document Posting: Background and Process Update webinar – 3:00–3:30 p.m. Eastern, August 27, 2018

NERC Standards Subject to Future Enforcement

➤ **January 1, 2019**

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

➤ **April 1, 2019**

- EOP-004-4 – Event Reporting
- EOP-005-3 – System Restoration from Blackstart Resources
- EOP-006-3 – System Restoration Coordination
- EOP-008-2 – Loss of Control Center Functionality

➤ **January 1, 2020**

- PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)

➤ **July 1, 2020**

- PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for R2–4, 6–11)

➤ **January 1, 2021**

- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
- PRC-012-2 – Remedial Action Schemes



NERC Standards Subject to Future Enforcement

➤ **January 1, 2022**

- TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R3, R4, R7)

➤ **July 1, 2022**

- PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for R2–4, 6–11)

Questions?

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