



Reliability Compliance Update

System Operations Subcommittee
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March 1, 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

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PER-003-2	Project 2017-02 Modifications to Personnel Performance, Training, and Qualifications Standards Applicability: RC, TOP, BA Purpose: <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 System Operator Certification Program Survey Due by 3/15/18	<ul style="list-style-type: none">• Comment• Ballot	03/07/2018



NERC Standards Under Development

Standards	Project	Action	End Date
TPL-007-1	<p>Proposed NERC Rules of Procedure Section 1600 Data Request for GMD Data</p> <p>Applicability: TO, GO</p> <p>Purpose: NERC and the Geomagnetic Disturbance Task Force (GMDTF) have drafted the proposed GMD Data Request for the collection of GIC monitoring and magnetometer data as required by FERC Order No. 830. The GMD Data Request applies to U.S. registered Transmission Owners and Generator Owners.</p>	Comment	03/26/2018



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: <ul style="list-style-type: none">Revisions will 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">CommentBallot	04/09/2018

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(i) – 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

➤ 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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