



Reliability Compliance Update

Reliability Standards and Compliance Subcommittee
Preston Walker
August 16, 2018



NERC Standards Under Development

| Standards | Project | Action | End Date |
|-----------|--|---------|------------|
| | <p data-bbox="268 441 1619 526">Draft Reliability Guideline: Generating Unit Operations during Complete Loss of Communications</p> <p data-bbox="268 581 873 623">Applicability: BA, GOP, RC, TOP</p> <p data-bbox="268 678 445 721">Purpose:</p> <p data-bbox="268 737 1598 915">This guidelines provides a strategy for power plant operations in the case of complete loss of communications (both data and voice) between the on-site generating unit(s) operator and the System Operator for the Balancing Area, Transmission Operator, and Reliability Coordinator.</p> <p data-bbox="268 954 1566 1133">This guideline was developed as requested by the NERC Operating Committee (OC) as part of the industry's response to the Severe Impact Resilience Task Force (SIRTF) Recommendations. The NERC OC charter requires Reliability Guidelines to be refreshed every three years.</p> | Comment | 08/27/2018 |



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|-----------|---|--|------------|
| 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">• Comment• Ballot | 09/14/2018 |



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|-----------|---|---------|------------|
| | <p>Revisions to the Reliability Functional Model (FM) and Reliability Functional Model Technical Document (FMTD)</p> <p>Purpose:</p> <p>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> | Comment | 09/14/2018 |

➤ **Workshops**

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

➤ **Webinars**

- Winter Preparation for Severe Cold Weather Webinar – September 6, 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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