

NERC and Regional Coordination Update



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NERC and Regional Coordination
Planning Committee
July 13, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
BAL-003-1.1	<p>Project 2017-01 – Modifications to BAL-003-1.1 Standard Authorization Request</p> <p>Applicability: BA</p> <p>Purpose: To address:</p> <ul style="list-style-type: none">(1) the inconsistencies in calculations(2) the Eastern Interconnection Resource Contingency Protection Criteria(3) the frequency nadir point limitations(4) clarification of language in Attachment A(5) FRS forms in need of enhancements <p>PJM Position: PJM agrees with the items included in the SAR and will monitor SRC activity.</p>	Comments	7/18/2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
BAL-002-2	<p>Project 2017-06 – Modifications to BAL-002-2 Standard Authorization Request.</p> <p>Applicability: BA, RSG</p> <p>Purpose: To require Balancing Authorities (BA) or Reserve Sharing Groups (RSG):</p> <ul style="list-style-type: none">(1) to notify the Reliability Coordinator of the conditions set forth in Requirement R1, Part 1.3.1 preventing it from complying with the 15-minute ACE recovery period; and(2) to provide the Reliability Coordinator with its ACE recovery plan, including a target recovery time. NERC may also propose an equally efficient and effective alternative. <p>PJM Position: TBD</p>	Comments	7/20/2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
PER-003-1 PER-004-2	<p data-bbox="295 261 1676 311">Project 2017-02 – Modifications to PER Standards Standard Authorization Request</p> <p data-bbox="295 411 631 461">Applicability: RC, TOP, BA</p> <p data-bbox="295 561 529 611">Purpose: To ensure stakeholders understand: (1) the connection between the Standard and the Program Manual (2) 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.</p> <p data-bbox="295 1046 652 1096">PJM Position: PJM agrees with the proposed changes and will monitor SRC activity.</p>	Comments	7/24/2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
PRC-006-SERC-02	<p>SERC RELIABILITY STANDARD PRC-006-SERC-02 AUTOMATIC UNDER FREQUENCY LOAD SHEDDING REQUIREMENTS</p> <p>Applicability: PC, TO, GO, DP</p> <p>Purpose: Revisions include:</p> <ul style="list-style-type: none">• Definition for PC area added to provide clarity• Removed the term 'distribution' from R4.1 and R5.1 to prevent the misinterpretation that only distribution load can be used for a UFLS scheme.• Added to R2.1, 4.1 and 5.1 the flexibility for the PC to choose the peak season on which to base the UFLS plan. <p>PJM Position: PJM SMEs agree with the revisions and will monitor activity from the SRC.</p>	Comments	7/24/2017



NERC Standards Under Development

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	<p>Draft Reliability Guideline: Distributed Energy Resource Modeling</p> <p>Purpose:</p> <p>Developed as a result of the penetration of distributed energy resources (DER), which continues to increase across the North American footprint. Transmission Planners (TPs) and Planning Coordinators (PCs) are faced with the challenge of representing these resources connected at the distribution system with relatively newer and evolving models.</p> <p>PJM Position:</p> <p>TBD</p>	Comments	7/28/2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
TPL-007-2	<p>Project 2013-03 Geomagnetic Disturbance Mitigation TPL-007-2</p> <p>Applicability: PC, TP, TO, GO</p> <p>Purpose: Revisions include:</p> <ul style="list-style-type: none">• Modify the benchmark GMD event definition used for GMD Vulnerability Assessments• Make related modifications to requirements pertaining to transformer thermal impact assessments• Require collection of GMD-related data. NERC is directed to make data available; and• Require deadlines for Corrective Action Plans (CAPs) and GMD mitigating actions. <p>PJM Position: PJM agrees with the proposed changes and will monitor SRC activity.</p>	Comments Ballots	8/11/2017



NERC Standards Subject to Future Enforcement

➤ **October 1, 2017**

- COM-001-3 – Communications
 - M-01 Revisions (PJM Internal, and TO Internal Communications)
- IRO-002-5 – Reliability Coordination – Monitoring and Analysis

➤ **January 1, 2018**

- BAL-002-2 – Disturbance Control Standard – Contingency Reserve for Recovery from a Balancing Contingency Event
- 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

➤ **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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