



NERC and Regional Coordination Update



Reliability Standards and Compliance Subcommittee
Preston Walker

June 16, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
	<p data-bbox="243 440 1577 532">Draft Reliability Guideline: Developing Load Model Composition Data</p> <p data-bbox="243 570 1640 841">This guideline focuses primarily on the load composition aspect of dynamic load modeling, and also describes some aspects of dynamic load modeling such as motor performance, protection modeling, and performing sensitivity studies. The guideline provides insights and examples of how to develop load model composition data from various data sources, classify that data, and convert that information into load model parameter values.</p>	<p data-bbox="1688 440 1877 472">Comments</p>	<p data-bbox="1919 440 2039 472">7/7/17</p>



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	<p data-bbox="243 440 1514 537">Draft Reliability Guideline: Forced Oscillation Monitoring and Mitigation</p> <p data-bbox="243 570 1640 894">The intent of this guideline is to provide guidance and awareness for identifying and mitigating forced oscillations on the bulk power system. The guideline describes the fundamental behavior of forced oscillations and how they differ from natural system oscillations such as local, inter-area, intra-plant, or torsional oscillations. It also highlights the use of synchronized measurement data from phasor measurement units (PMUs) and other dynamic disturbance recorders (DDRs) for oscillation monitoring and analysis.</p>	<p data-bbox="1688 440 1877 472">Comments</p>	<p data-bbox="1919 440 2039 472">7/7/17</p>



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PRC-006-SERC-02	<p>SERC RELIABILITY STANDARD PRC-006-SERC-02 AUTOMATIC UNDER FREQUENCY LOAD SHEDDING REQUIREMENTS</p> <p>The SERC Dynamics Review Subcommittee members drafted PRC-006-SERC-02 for the Standard's periodic 5 year review. Revisions included:</p> <ul style="list-style-type: none">• Definition for PC area was added to provide clarity since the term is used in the standard's requirements.• 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 SMEs agree with the revisions and will monitor activity from the SRC.</p>	Comments	7/24/2017



NERC Standards Subject to Future Enforcement

- **July 1, 2017**
 - MOD-033-1 - Steady-State and Dynamic System Model Validation
 - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R1)
- **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



NERC Standards Subject to Future Enforcement

➤ 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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