



Reliability Compliance Update

System Operations Subcommittee
Preston Walker
June 1, 2018



NERC Standards Under Development

Standards	Project	Action	End Date
FAC-002-2 MOD-026-1 MOD-027-1 MOD-032-1 PRC-024-2 PRC-025-1 PRC-026-1 PRC-027-1 VAR-002-4	Draft Reliability Guideline: Inverter-Based Resource Performance Purpose: The Inverter-Based Resource Performance Task Force (IRPTF) developed this guideline to address potential reliability impacts of the changing resource mix connected to the Bulk Power System. This guideline specifies recommended steady state and dynamic performance for inverter-based resources, and also covers a wide range of related aspects from protective functions to monitoring capability. The material presented throughout this guideline is based on extensive discussions with industry experts and members of the IRPTF.	Comment	06/29/2018

➤ **Announcements**

- Jim Robb, former WECC CEO, appointed to CEO of NERC

➤ **Webinars**

- Composite Resource Adequacy and Transmission Reliability Planning – 1– 4 p.m. EST, June 12, 2018
- Inverter-Based Resource NERC Reliability Guideline – 2 – 4 p.m. EST, June 13, 2018

➤ 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)

➤ 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



NERC Standards Subject to Future Enforcement

- **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
- **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?

Preston Walker
Reliability Compliance
(610) 635-3096
Preston.Walker@pjm.com