



NERC and Regional Coordination Update

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System Operations Subcommittee

October 28, 2016

Standards	Project	Activity	Due Date
IRO-002-5 TOP-001-4	<p>Project 2016-01 Modifications to TOP and IRO Standards</p> <p>SDT modified TOP-001-3 and IRO-002-4 to address reliability concerns from FERC Order 817. These concerns relate to</p> <ul style="list-style-type: none"> i. Monitoring non-BES facilities ii. Redundancy and diverse routing of data exchange capabilities iii. Testing of alternate or less frequently used data exchange capability <p>Revisions to IRO-002-5 since last posting</p> <ul style="list-style-type: none"> i. Updated rationale for R1 and R2 ii. Updated testing frequency of primary Control Center data exchange capabilities from monthly to 90 calendar days (R3), in line with R21 of TOP-001-3 <p>Revisions to TOP-001-4 since last posting</p> <ul style="list-style-type: none"> i. Revised rationale and measures for R10, R19, R20, R22, and R23 	Ballot and Comments	10/14/2016



NERC Standards Under Development

Standards	Project	Activity	Due Date
SAR PRC-025-1	Project 2016-04 Modifications to PRC-025-1 Reliability Standard PRC-025-1 (Generator Relay Loadability), which was approved by the FERC in Order No. 799 issued on July 17, 2014, became effective on October 1, 2014. Under the phased implementation plan, applicable entities have between five and seven years to become compliant with the standard depending on the scope of work required by the Generator Owner. In the course of implementing the standard, issues have been identified for specific Facility applications and load-responsive protective relays. Potential revisions to the standard are expected to improve flexibility in applying various options and provide clarification to other issues raised in the SAR.	SAR Comments	10/18/2016

- October 1, 2016
 - FAC-003-4 - Transmission Vegetation Management
 - MOD-031-2 - Demand and Energy Data
- January 1, 2017
 - IRO-010-2 – Reliability Coordinator Data Specification and Collection (R1 and R2)
 - TOP-003-3 – Operational Reliability Data (All Requirements but R5)

- April 1, 2017
 - EOP-004-3 – Event Reporting
 - EOP-010-1 – Geomagnetic Disturbance Operations (Requirement 2)
 - EOP-011-1 – Emergency Operations
 - FAC-010-3 - System Operating Limits Methodology for the Planning Horizon
 - FAC-011-3 - System Operating Limits Methodology for the Operations Horizon
 - IRO-001-4 – Reliability Coordination – Responsibilities
 - IRO-002-4 - Reliability Coordination — Monitoring and Analysis
 - IRO-008-2 – Reliability Coordinator Operational Analyses and Real-time Assessments
 - IRO-010-2 – Reliability Coordinator Data Specification and Collection (R3)
 - IRO-014-3 — Coordination Among Reliability Coordinators
 - IRO-017-1 — Outage Coordination
 - MOD-029-2a – Rated System Path Methodology
 - MOD-030-3 – Flowgate Methodology

- April 1, 2017 (continued)
 - PRC-010-1 – Undervoltage Load Shedding
 - PRC-015-1 - Remedial Action Scheme Data and Documentation
 - PRC-016-1 - Remedial Action Scheme Misoperations
 - PRC-017-1 - Remedial Action Scheme Maintenance and Testing
 - PRC-023-4 - Transmission Relay Loadability
 - TOP-001-3 – Transmission Operations
 - TOP-002-4 – Operations Planning
 - TOP-003-3 – Operational Reliability Data (R5)
- April 2, 2017
 - PRC-004-5(i) - Protection System Misoperation Identification and Correction
 - PRC-010-2 – Undervoltage Load Shedding

- July 1, 2017
 - MOD-033-1 - Steady-State and Dynamic System Model Validation
- January 1, 2018
 - PRC-026-1 – Relay Performance During Stable Power Swings (R1)
- July 1, 2018
 - MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions (Requirements R2, 2.1–2.1.6)
 - MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions (Requirements R2, 2.1–2.1.5)
- January 1, 2020
 - PRC-026-1 – Relay Performance During Stable Power Swings (R2-R4)