



NERC and Regional Coordination Update

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System Operations Subcommittee
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Standards	Project	Activity	Due Date
TOP-001-3 and IRO-002-4	<p>Project 2016-01 Modifications to TOP and IRO Standards</p> <p>The SDT will develop modifications to TOP-001-3 - Transmission Operations and IRO-002-4 - Reliability Coordination: Monitoring and Analysis to address Order No. 817 directives, or an alternative</p> <ul style="list-style-type: none">· Monitoring non-Bulk Electric System facilities. FERC noted that "in some instances the absence of real-time monitoring of non-BES facilities by the transmission operator within and outside its TOP area as necessary for determining SOL exceedances in proposed TOP-001-3, Requirement R10 creates a reliability gap."· Redundancy and Diverse Routing of Data Exchange Capabilities. FERC determined that, with respect to data exchange capabilities, "do not clearly address redundancy and diverse routing so that registered entities will unambiguously recognize that they have an obligation to address redundancy and diverse routing as part of their TOP and IRO compliance obligations."· Testing of the Alternate or Less Frequently Used Data Exchange Capability. FERC determined that existing requirements do not establish a clear obligation for RCs, TOPs, and BAs to test alternative data exchange capabilities.	Comments and Balloting	8/3/2016

Standards	Project	Activity	Due Date
EOP-005-3 EOP-006-3 EOP-008-2	<p>Project 2015-08 Emergency Operations</p> <p>Emergency Operations Periodic Review Team (PRT) conducted a review of EOP-004, EOP-005, EOP-006, and EOP-008 to evaluate whether the requirements are clear and unambiguous. PRT recommended the following:</p> <ul style="list-style-type: none"> • Revise EOP-004-2 and retire R3 • Revise EOP-005-2 and EOP-006-2, including retiring R1.2, R1.3, R1.4 of EOP-006-2 • EOP-008-1 Revise the standard <p>First drafts of EOP-005-3, EOP-006-3, and EOP-008-2 posted for comment.</p>	Comments and Balloting	8/12/2016

Standards	Project	Activity	Due Date
FAC-011-4 FAC-014-3	<p>Project 2015-09 Establish and Communicate System Operating Limits</p> <p>This informal 30-day posting does not encompass the entire scope of work that the team will undertake for the project. However, the team believes it to be the most critical area. The direction taken with regard to these standards set the foundation for building a proper SOL methodology to ensure that SOLs are established and communicated in a manner that will later ensure reliable BES operation when carried out in operations.</p> <p>Reliability Standards and definitions as part of this limited informal posting:</p> <ul style="list-style-type: none"> · FAC-011-3 – System Operating Limits Methodology for the Operations Horizon · FAC-014-2 – Establish and Communicate System Operating Limits · Revisions to definition of System Operating Limit (SOL) · New definition of SOL Exceedance 	Informal Comments	8/12/2016

- 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)
 - MOD-030-3 – Flowgate Methodology
 - 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)