NERC and Regional Coordination Update

Mark Kuras
Planning Committee
August 11, 2016
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:

- 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

First drafts of EOP-005-3, EOP-006-3, and EOP-008-2 posted for comment.
Part of the Emergency Operations Periodic Review Team (Project 2015-02) performed a comprehensive review of a subset of Emergency Operations Standards (EOP-004, EOP-005, EOP-006 and EOP-008) to evaluate, for example, whether the requirements are clear and unambiguous. The Periodic Review included background information, along with any associated worksheets or reference documents, to guide a comprehensive review that resulted in the following recommendations:

- **EOP-004-2**
  1. Revise the standard and attachment and
  2. Retire Requirement R3

EOP-004 has a separate Ballot and Commenting period from the other EOP standards that were reviewed.
Project 2015-09 Establish and Communicate System Operating Limits

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.

Reliability Standards and definitions as part of this limited informal posting:
- 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
NERC Standards Subject to Future Enforcement

- 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)
NERC Standards Subject to Future Enforcement

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
NERC Standards Subject to Future Enforcement

- **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
NERC Standards Subject to Future Enforcement

- 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)