

NERC and Regional Coordination Update



Planning Committee
Preston Walker
November 9, 2017



NERC Standards Under Development

Standards	Project	Activity	Due Date
FAC-010-3 FAC-011-4 FAC-014-3 FAC-015-1	<p data-bbox="308 258 2002 321">Project 2015-09 Establish and Communicate System Operating Limits</p> <p data-bbox="308 325 2002 434">Applicability: RC, TOP, PC, TP</p> <p data-bbox="308 444 2002 506">Purpose:</p> <p data-bbox="308 516 2002 806">One of the primary objectives of Project 2015-09 is to make revise the FAC Standards to create better alignment with the currently effective TPL, TOP, and IRO Standards and the revised definitions of Operational Planning Analysis (OPA) and Real-time Assessments (RTA). NERC has also proposed a definition for System Voltage Limits.</p> <ul data-bbox="308 816 2002 1220" style="list-style-type: none">• FAC-010-3 – SOL Methodology for the Planning Horizon (Retirement)• FAC-011-4 – SOL Methodology for the Operations Horizon• FAC-014-3 – Establish and Communicate System Operating Limit• FAC-015-1 – Coordination of Planning Assessments with the RC’s SOL Methodology• Implementation Plan – Project 2015-09• Proposed Definition - System Voltage Limit	Comments Ballot	11/13/2017

➤ **January 1, 2018**

- BAL-002-2 – Disturbance Control Standard – Contingency Reserve for Recovery from a Balancing Contingency Event
- BAL-502-RF-03 – Planning Resource Adequacy Analysis, Assessment and Documentation
- PRC-006-SERC-02 – Automatic Underfrequency Load Shedding Requirements
- 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

➤ 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)

2018	
AEP	May 7-11, 2018
Duke Energy Ohio/Kentucky	March 5-9, 2018
UGI	June 4-8, 2018
PHI (Delmarva/ACE/PEPCo)	Oct. 22-26, 2018
Cleveland Public Power	Oct. 29 - Nov. 2, 2018

PJM Identification of Assets per CIP-002-5.1a bright-line Criteria and CIP 014-2 Section 4.1.1.3



- CIP-002 and CIP-014 require applicable entities to **identify** and protect critical facilities to mitigate potential physical and cyber threats to the BES.
- The CIP-002 and CIP-014 letters:
 - Identify critical facilities per CIP-002-5.1a, Attachment 1 – Criteria 2.6 and CIP-014-2, Section 4.1.1.3
 - Are completed in coordination with PJM Planning, Compliance, and Transmission Operations.
 - Are issued to PJM TOs annually
 - Will be issued to PJM TOs **Q4 2017**

➤ **CIP-002-5.1a, Attachment 1 – Criteria 2.6**

*Generation at a single plant location or Transmission Facilities at a single station or substation location that are identified by its **RC, PC, or TP** as critical to the derivation of **IROLs** and their associated contingencies.*

➤ **CIP-014-2, Section 4.1.1.3**

*Transmission Facilities at a single station or substation location that are identified by its **RC, PC, or TP** as critical to the derivation of **IROLs** and their associated contingencies.*

- Since this document contains Critical Energy Infrastructure Information (CEII), it must be issued in a secured email.
- A PJM CEII Request must be submitted in order to receive this document.
- CEII Request forms can be found in the PJM library using the link below.

<http://www.pjm.com/library/request-access/form-ceii-request.aspx>

Questions?

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