NERC and Regional Coordination Update

Planning Committee
Preston Walker
November 9, 2017
### NERC Standards Under Development

#### Standards
- FAC-010-3
- FAC-011-4
- FAC-014-3
- FAC-015-1

#### Project
- **Project 2015-09 Establish and Communicate System Operating Limits**
  - **Applicability:** RC, TOP, PC, TP

#### Purpose:
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.

- 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

#### Activity
- Comments Ballot

#### Due Date
- 11/13/2017
NERC Standards Subject to Future Enforcement

- January 1, 2018
  - 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
NERC Standards Subject to Future Enforcement

- **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)
<table>
<thead>
<tr>
<th>Year</th>
<th>Company</th>
<th>Audit Dates</th>
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<tbody>
<tr>
<td>2018</td>
<td>AEP</td>
<td>May 7-11, 2018</td>
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<tr>
<td></td>
<td>Duke Energy Ohio/Kentucky</td>
<td>March 5-9, 2018</td>
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<td>UGI</td>
<td>June 4-8, 2018</td>
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<td>PHI (Delmarva/ACE/PEPCo)</td>
<td>Oct. 22-26, 2018</td>
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<td>Cleveland Public Power</td>
<td>Oct. 29 - Nov. 2, 2018</td>
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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 bright-line Criteria and CIP 014 Section 4.1.1.3

- **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.

Questions?

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