NERC and Regional Coordination Update

Reliability Standards and Compliance Subcommittee
Preston Walker
November 16, 2017
NERC Standards Under Development

<table>
<thead>
<tr>
<th>Standards</th>
<th>Project</th>
<th>Activity</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAL-003-1.1</td>
<td>**Project 2017-01 – Modifications to BAL-003-1.1</td>
<td>Standard Authorization Request**</td>
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<td><strong>Applicability:</strong> BA</td>
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<td><strong>Purpose:</strong> The Second SAR for this Standard takes a two phase approach:</td>
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<td>Phase 1: Address the issues identified in the initial SAR submitted by the NERC Resource Subcommittee.</td>
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<td>Phase 2:</td>
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<td></td>
<td>1. Establish a real-time Reliability Standard addressing the necessary frequency response to maintain reliability</td>
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<td>2. Establish comparability for the correct responsible entity;</td>
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<td>3. Develop real-time measurements incorporating topology difference, and</td>
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<td>4. Eliminate the incorrect indicators.</td>
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<td><strong>PJM Position:</strong> PJM is currently drafting comments for this project.</td>
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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)
## 2018 Audit Schedule

<table>
<thead>
<tr>
<th>2018</th>
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<tbody>
<tr>
<td>Duke Energy Ohio/Kentucky</td>
<td>March 5-9, 2018</td>
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<tr>
<td>AEP</td>
<td>May 7-11, 2018</td>
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<tr>
<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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