FERC, NERC, and Regional Activities

Becky Davis, NERC Compliance
Reliability Standards & Compliance Subcommittee (RSCS)
February 18, 2022
### NERC Projects

<table>
<thead>
<tr>
<th>Standards</th>
<th>Project</th>
<th>Action</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPL-001 MOD-032</td>
<td><strong>Project 2022-02 Modifications to TPL-001-5.1 and MOD-032-1 Standard Authorization Request (SAR) and Nomination for SAR drafting team</strong></td>
<td>Comment Period &amp; Nomination for SAR drafting team members</td>
<td>03/02/22</td>
</tr>
</tbody>
</table>

#### Background - There are three SARs to review for this Project:

- **TPL-001-5.1 IRPWG SAR** - This SAR revises requirements within the TPL-001-5 standard to provide clarity and consistency for how BPS-connected inverter-based resources are considered, modeled, and studied in planning assessments. The proposed revisions to TPL-001-5 will ensure industry is effectively and efficiently conducting planning assessments and that the requirements are equally suitable for inverter-based resources as they are for synchronous generation.

- **TPL-001-5.1 SPIDERWG SAR** - The purpose of this SAR is to revise requirements to provide clarity, or in some cases, expand the scope of requirements when considering the performance of DERs to ensure the accuracy of Transmission System Planning Assessments.

- **MOD-032-1 SAR** - This SAR proposes to revise MOD-032-1 to address gaps in data collection for the purposes of modeling aggregate levels of DERs in planning assessments. The goal is to provide clarity and consistency for data collection across PCs and TPs when coordinating with the DP to gather aggregate load and aggregate DER data.
## Project 2022-01 Reporting ACE Definition and Associated Terms – Standard Authorization Request (SAR)

### Background:
The SAR states that the current definition of Reporting Area Control Error (ACE) presents a conflict with the Western Interconnection’s Automatic Time Error Correction (ATEC) process and does not allow other Interconnections to pursue ATEC. Additionally, there is confusion in that the terms ACE and Reporting ACE are both used throughout the standards.

### Purpose/Industry Need:
A revised definition should provide improve long-term average frequency performance as well as give other Interconnections the ability to pursue automatic correction approaches.
• NERC Technical Reference Document posted:
  – Recommended Oscillation Analysis for Monitoring and Mitigation Reference Document (Synchronized Measurement Working Group)
NERC & Regional News

- ReliabilityFirst
  - Compliance User Group (CUG) Meeting
    - February 23, 2022  10:00 a.m. – 12:00 p.m.
  - Technical Talks with RF
    - March 21, 2022  2:00 – 3:30 p.m.
    - April 18, 2022  2:00 – 3:30 p.m.

- SERC
  - 2022 O&P Spring Reliability and Security Webinar
    - March 8, 2022  1:00 – 4:00 p.m.
Facilitator: Monica Burkett, Monica.Burkett@pjm.com
Secretary: Ashwini Bhat, Ashwini.Bhat@pjm.com
SME/Presenter: Elizabeth (Becky) Davis, Elizabeth.Davis@pjm.com Regional_compliance@pjm.com
FERC, NERC, and Regional Activities

Member Hotline
(610) 666 – 8980
(866) 400 – 8980
custsvc@pjm.com
Appendix
# U.S. Effective Dates of NERC Standards

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Standards</th>
</tr>
</thead>
</table>
| July 1, 2022   | **CIP-012-1** Cyber Security Communications between Control Centers  
                 **PRC-002-2** Disturbance Monitoring and Reporting Requirements  
                 (100% compliance for Requirements R2-R4, R6-R11) |
# U.S. Effective Dates of NERC Standards

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1, 2022</td>
<td><img src="#" alt="CIP-005-7" /> Cyber Security Electronic Security Perimeter(s)</td>
</tr>
<tr>
<td></td>
<td><img src="#" alt="CIP-010-4" /> Cyber Security Configuration Change Management and Vulnerability Assessments</td>
</tr>
<tr>
<td></td>
<td><img src="#" alt="CIP-013-2" /> Cyber Security Supply Chain Risk Management</td>
</tr>
<tr>
<td></td>
<td><img src="#" alt="PRC-024-3" /> Frequency and Voltage Protection Settings for Generating Resources</td>
</tr>
<tr>
<td>January 1, 2023</td>
<td><img src="#" alt="TPL-007-4" /> Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R3, R4, 4.1, 4.1.1, 4.1.2, 4.2, 4.3, 4.3.1, R8, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.1)</td>
</tr>
<tr>
<td>Effective Date</td>
<td>Standards</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>April 1, 2023</td>
<td><strong>EOP-011-2</strong> Emergency Preparedness and Operations</td>
</tr>
<tr>
<td></td>
<td><strong>IRO-010-4</strong> Reliability Coordinator Data Specification &amp; Collection</td>
</tr>
<tr>
<td></td>
<td><strong>TOP-003-5</strong> Operational Reliability Data</td>
</tr>
<tr>
<td>July 1, 2023</td>
<td><strong>TPL-001-5.1</strong> Transmission System Planning Performance Requirements I Implementation Plan</td>
</tr>
<tr>
<td>January 1, 2024</td>
<td><strong>TPL-007-4</strong> Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R7, 7.1-7.3, 7.3.1-7.3.2, 7.4, 7.4.1-7.4.3, 7.5, 7.5.1, R11, 11.3.1-11.3.2, 11.4, 11.4.3-11.4.3, 11.5, and 11.5.1)</td>
</tr>
</tbody>
</table>
PROTECT THE POWER GRID
THINK BEFORE YOU CLICK!

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com