FERC, NERC, and Regional Activities

Becky Davis, NERC Compliance

Reliability Standards & Compliance Subcommittee (RSCS)

November 19, 2021
FERC - NERC – Regional Entity Staff Report

• FERC - NERC – Regional Entity Staff Report:
  – The February 2021 Cold Weather Outages in Texas and the South Central United States


## Background:

- Provide clear, unambiguous applicability of PRC-005 to protective functions and provide the specificity needed for the industry to consistently identify and implement the required maintenance activities.
- Provide for the use of alternative Protection System station DC supply technologies, battery-based and non-battery-based, and ensure that they are subject to maintenance requirements.
- This project would modify Reliability Standard PRC-005 to be consistent with the FERC-approved changes to registration as part of the RBR initiative and to add UFLS-only DPs in the Applicability Section.
- Submit nominations via the Project page and electronic form submittal.

### Project 2019-04 Modifications to PRC-005-6

<table>
<thead>
<tr>
<th>Standards</th>
<th>Project</th>
<th>Action</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRC-005</td>
<td><strong>Project 2019-04 Modifications to PRC-005-6</strong></td>
<td>Standard Drafting Team Nominations</td>
<td>12/15/2021</td>
</tr>
</tbody>
</table>
NERC Draft Reliability Guideline

Draft Reliability Guideline – DER Forecasting Practices and Relationship to DER Modeling for BPS Planning Studies

Background:
- This Reliability Guideline identifies two large categories of forecasting strategies used in load forecasting:
  - *Top down approach* creates projections over a wide area and can ignore local behavior to focus on the behavior of the whole
  - *Bottom up approach* creates projections of individual component behavior before aggregating those impacts to the level desired
- For both large categories, a large amount of data typically feeds the projection. If this data is not of high quality, the projection, if used as the forecasted values, will provide misleading, useless results.
- Comment Matrix (matrix is in Excel format):
• FERC and ERO Enterprise Webinar
  – Real-time Assessments (full report)
  – December 8, 2021  1:00 – 3:00 p.m. Eastern

• 2022 Annual Update to Compliance Monitoring and Enforcement Program Implementation Plan (2022 CMEP IP)

• Compliance Guidance Update – Practice Guide Updates
  – Evaluating Blackstart Documented Procedures
  – Cold Weather Preparedness
NERC: Compliance Monitoring and Enforcement Program and Organization Registration and Certification Program Quarterly Report
  – Q3 2021

ReliabilityFirst
  – Technical Talks with RF
    • December 13, 2021  2:00 – 3:30 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
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FERC, NERC, and Regional Activities

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(610) 666 – 8980
(866) 400 – 8980
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Appendix
## U.S. Effective Dates of NERC Standards

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Standards</th>
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</thead>
<tbody>
<tr>
<td>January 1, 2022</td>
<td><strong>PRC-012-2</strong> Remedial Action Schemes (Requirement R9)</td>
</tr>
<tr>
<td>July 1, 2022</td>
<td><strong>CIP-012-1</strong> Cyber Security Communications between Control Centers</td>
</tr>
<tr>
<td></td>
<td><strong>PRC-002-2</strong> Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2-R4, R6-R11)</td>
</tr>
</tbody>
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# U.S. Effective Dates of NERC Standards

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Standards</th>
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<tbody>
<tr>
<td>October 1, 2022</td>
<td><strong>CIP-005-7</strong> Cyber Security Electronic Security Perimeter(s)</td>
</tr>
<tr>
<td></td>
<td><strong>CIP-010-4</strong> Cyber Security Configuration Change Management and Vulnerability Assessments</td>
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<tr>
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<td><strong>CIP-013-2</strong> Cyber Security Supply Chain Risk Management</td>
</tr>
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<td><strong>PRC-024-3</strong> Frequency and Voltage Protection Settings for Generating Resources</td>
</tr>
<tr>
<td>January 1, 2023</td>
<td><strong>TPL-007-4</strong> 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>
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<tr>
<td>April 1, 2023</td>
<td><strong>NEWLY ADDED</strong> EOP-011-2 Emergency Preparedness and Operations</td>
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<td>IRO-010-4 Reliability Coordinator Data Specification &amp; Collection</td>
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<td>TOP-003-5 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>
Due to the ongoing pandemic, the ERO Enterprise is further extending this expansion through December 31, 2021, to allow all registered entities to self-log instances of potential noncompliance with minimal or moderate risk related to their COVID-19 response. ERO Enterprise Guidance: Potential Noncompliance Related to Coronavirus Impacts.