FERC, NERC, and Regional Activities

Becky Davis
NERC Compliance
Reliability Standards & Compliance Subcommittee
October 15, 2021
FERC, NERC Staff Review 2021 Winter Freeze, Recommend Standards Improvements

Full Announcement:

Preliminary Findings and Recommendations Full Presentation:
https://www.ferc.gov/media/february-2021-cold-weather-grid-operations-preliminary-findings-and-recommendations-full
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 sued as the forecasted values, will provide misleading, useless results.
- Comment Matrix (matrix is in Excel format):
- Distributed Energy Resource Modeling Capabilities in Simulation Tools Webinar
  - October 28, 2021  3:00 p.m. – 4:00 p.m.

- NERC Monitoring and Situational Awareness Technical Conference:
  - Session 3: October 28, 2021  1:00 p.m. – 3:00 p.m.
    - Technique and Workforce Challenges
      - Session 3 - Webex Registration
NERC & Regional News

- **ReliabilityFirst**
  - Technical Talks with RF
    - November 15, 2021  2:00 p.m. – 3:30 p.m.
    - December 13, 2021  2:00 p.m. – 3:30 p.m.

- **SERC Reliability Corporation**
  - SERC 2021 Fall Technical Seminar: Growing Variable Energy Resources and Grid Reliability
    - November 16, 2021  1:00 p.m. – 4:00 p.m.
    - November 17, 2021  9:00 a.m. – 1:00 p.m.
Facilitator: Monica Burkett
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Secretary: Ashwini Bhat
Ashwini.Bhat@pjm.com

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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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| October 1, 2021      | **FAC-008-5** Facility Ratings  
| **Effective Now**    |                                                                           |
| January 1, 2022      | **PRC-012-2** Remedial Action Schemes (Requirement R9)                     |
| 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>
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<tbody>
<tr>
<td>October 1, 2022</td>
<td><strong>CIP-005-7</strong> Cyber Security Electronic Security Perimeter(s)</td>
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<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>
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<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>
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<tr>
<td>Effective Date</td>
<td>Standards</td>
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<tr>
<td>April 1, 2023</td>
<td><strong>EOP-011-2</strong> Emergency Preparedness and Operations</td>
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<td><strong>IRO-010-4</strong> Reliability Coordinator Data Specification &amp; Collection</td>
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<td><strong>TOP-003-5</strong> Operational Reliability Data</td>
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<tr>
<td>NEWLY ADDED</td>
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<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.