



# Reliability Compliance Update

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August 2022  
NERC Compliance

Standards	Project	Action	End Date
BAL-003	<p><b><a href="#">Project 2017-01</a> Modifications to BAL-003 Phase II</b></p> <p><b>Background:</b>            The scope of the Phase II work will be to</p> <ol style="list-style-type: none"> <li>1. Revise the Reliability Standard to address the Real-time aspects of Frequency Response necessary to maintain reliability,</li> <li>2. Ensure comparability of and applicability to the appropriate responsible entities,</li> <li>3. Develop measurements to incorporate Real-time and resource and load characteristics, and</li> <li>4. Ensure equitability of performance measurement.</li> </ol>	<p><b>Join Ballot Pools</b></p> <p><b>Comment Period &amp; Ballot Period</b></p>	<p><b>08/23/22</b></p> <p><b>09/07/22</b></p>

Projects	Announcement	Action	End Date
2017-01 2019-04 2020-02 2020-04 2020-06 2021-01 2021-02 2021-03 2021-04 2021-05 2021-06 2021-07 2021-08 2022-01 2022-02 2022-03	<p><b><u>Draft 2023-2025 Reliability Standards Development Plan (RSDP)</u></b></p> <p><b>Background:</b>            The 2023-2025 RSDP provides insight into standards development activities anticipated at the time of publication so that stakeholders may make available appropriate resources to support the identified standards development objectives. Additional activities, such as Requests for Interpretation and development of Regional Variances, may impact the plan, which is a snapshot of activities anticipated for the 2023-2025 period. In order to help the industry understand resource requirements for each project, the RSDP now shows timeframes and anticipated resources for each project under development.</p> <p>NERC staff to consider all industry comments received during this posting. Link to comment form:  <a href="https://www.nerc.com/pa/Stand/Standards%20Development%20Plan%20Library/2023-2025%20RSDP_Unofficial_Comment_Form_July2022.docx">https://www.nerc.com/pa/Stand/Standards%20Development%20Plan%20Library/2023-2025%20RSDP_Unofficial_Comment_Form_July2022.docx</a></p>	<p><b>Comment Period</b></p>	<p><b>08/24/22</b></p>

## *NERC Reliability Guideline Drafts – request for comments*

*Due by August 13, 2022:*

- Parameterization of the DER\_A Model for Aggregate DER

*Due by August 20, 2022:*

- Performance, Modeling, and Simulations of BPS-Connected Battery Energy Storage Systems and Hybrid Power Plants

*Links to documentation included in the Appendix of this presentation*

- Save the Date for 2022 NERC-NATF-EPRI Annual Transmission Planning and Modeling Workshop
  - NERC, the North American Transmission Forum (NATF), and the Electric Power Research Institute (EPRI) will be holding their annual transmission planning and modeling workshop on November 2–3, 2022. This year’s theme will be “Grid Transformation: The Change is Here,” focusing on the future of power system studies, industry planning practices in the face of extreme weather events, and leveraging emerging technologies such as cloud computing and machine learning for reliability studies.

*Event will be held virtually, and more details will be announced closer to the workshop.*

- Reliability*First* (RF)
  - Technical Talks with RF
    - August 15, 2022      2:00 p.m. – 3:30 p.m.
    - September 19, 2022      2:00 p.m. – 3:30 p.m.
  - RF Fall Workshops – September 27 & 28, 2022
    - This year's theme is ***Embracing the Transformation***
    - The workshop will be held virtually and in-person (limited to 125 RF Registered Entity guests)
    - September 27, 2022      1:00 p.m. – 5:00 p.m.
    - September 28, 2022      8:00 a.m. – 12:00 p.m.

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# Appendix





# Draft Reliability Guidelines/Comment Form Links

- Draft Reliability Guideline: Performance, Modeling, and Simulations of BPS-Connected Battery Storage Systems and Hybrid Power Plants:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Reliability\\_Guideline\\_BESS\\_Hybrid\\_Performance\\_Modeling\\_Studies\\_r edline\\_June\\_16\\_2022.pdf](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Reliability_Guideline_BESS_Hybrid_Performance_Modeling_Studies_r edline_June_16_2022.pdf)
- Link to Comment Form:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Copy\\_of\\_Comment\\_Matrix\\_IRPTF\\_Performance, Modeling, and Simulations\\_of\\_BPS-Connected\\_Battery\\_Energy\\_Storage\\_Systems\\_and\\_Hybrid\\_Power\\_Plants.xlsx](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Copy_of_Comment_Matrix_IRPTF_Performance, Modeling, and Simulations_of_BPS-Connected_Battery_Energy_Storage_Systems_and_Hybrid_Power_Plants.xlsx)
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- Draft Reliability Guideline: Parameterization of the DER\_A Model for Aggregate DER:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Reliability\\_Guideline\\_ModelingMerge\\_clean.pdf](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Reliability_Guideline_ModelingMerge_clean.pdf)
- Link to Comment Form:  
[https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.nerc.com%2Fcomm%2FRSTC\\_Reliability\\_Guidelines%2FReliability\\_Guideline\\_Parameterization\\_of\\_the\\_DER\\_A\\_Model\\_for\\_Aggregate\\_DER\\_Comment\\_Matrix.xlsx](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.nerc.com%2Fcomm%2FRSTC_Reliability_Guidelines%2FReliability_Guideline_Parameterization_of_the_DER_A_Model_for_Aggregate_DER_Comment_Matrix.xlsx)



# U.S. Effective Dates (future) of NERC Standards

Effective Date	Standards
October 1, 2022	<a href="#">CIP-005-7</a> Cyber Security Electronic Security Perimeter(s) <a href="#">CIP-010-4</a> Cyber Security Configuration Change Management and Vulnerability Assessments <a href="#">CIP-013-2</a> Cyber Security Supply Chain Risk Management <a href="#">PRC-024-3</a> Frequency and Voltage Protection Settings for Generating Resources
January 1, 2023	<a href="#">TPL-007-4</a> 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)



# U.S. Effective Dates (future) of NERC Standards

Effective Date	Standards
April 1, 2023	<a href="#">EOP-011-2</a> Emergency Preparedness and Operations <a href="#">IRO-010-4</a> Reliability Coordinator Data Specification & Collection <a href="#">TOP-003-5</a> Operational Reliability Data
July 1, 2023	<a href="#">TPL-001-5.1</a> Transmission System Planning Performance Requirements I Implementation Plan
January 1, 2024	<a href="#">TPL-007-4</a> 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)



# U.S. Effective Dates (future) of NERC Standards

Effective Date	Standards
April 1, 2024	<a href="#">FAC-003-5</a> Transmission Vegetation Management <a href="#">FAC-011-4</a> System Operating Limits Methodology for the Operations Horizon <a href="#">FAC-014-3</a> Establish and Communicate System Operating Limits <a href="#">IRO-008-3</a> Reliability Coordinator Operational Analyses and Real-time Assessments <a href="#">PRC-023-5</a> Transmission Relay Loadability Implementation Plan <a href="#">PRC-002-3</a> Disturbance Monitoring and Reporting Requirements Implementation Plan <a href="#">PRC-026-2</a> Relay Performance During Stable Power Swings Implementation Plan <a href="#">TOP-001-6</a> Transmission Operations

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