



# FERC, NERC, and Regional Activities

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Reliability Standards & Compliance  
Subcommittee (RSCS)

July 22, 2022

## 2022 Registered Ballot Body Self-select Attestation Process

- Appendix 3D Registered Ballot Body (RBB) Criteria of the NERC Rules of Procedure states: “Each participant, when initially registering to join the Registered Ballot Body, and annually thereafter, shall self-select to belong to one of the Segments...”
- NERC must receive a response for all segments represented in the RBB by 8:00 p.m. Eastern on Monday, **August 8, 2022**. Entities with segment(s) not attested for will be removed from the system. Anyone removed (unvetted) can re-apply at any time.

Standards	Project	Action	End Date
PRC-002	<p><b><u><a href="#">Project 2021-04 Modifications to PRC-002</a></u></b></p> <p><b>Background:</b> The purpose of PRC-002 is to have adequate data available to facilitate analysis of Bulk Electric System (BES) disturbances. The goal of this project is to clarify the necessary notifications relative to fault recording (FR) data; and clearly identify the BES element owner(s) that need to have FR data for transformers and transmission lines with the associated identified bus.</p> <p>Link to comment form: <a href="https://www.nerc.com/pa/Stand/Project202104ModificationstoPRC0022DL/Project_2021-04_Unofficial%20Comment%20Form%20-%20Glencoe%20Light.docx">https://www.nerc.com/pa/Stand/Project202104ModificationstoPRC0022DL/Project_2021-04_Unofficial%20Comment%20Form%20-%20Glencoe%20Light.docx</a></p>	<p><b>Join Ballot Pools</b></p> <p><b>Comment Period &amp; Ballot Period</b></p>	<p><b>07/08/22</b></p> <p><b>07/25/22</b></p>

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

## Request for Comments

- Modifications to Section 1600 Data Request for Generating Availability Data System (GADS)
  - Comment Period: June 21, 2022 – August 5, 2022
  - NERC is seeking to update the GADS section 1600 data request to add value to expanding GADS reporting to include:
    - **Solar (new):** Inventory/configuration, event reporting, and performance data; and Inventory/configuration of connected energy storage and performance data
    - **GADS Wind extensions:** Event reporting and connected energy storage; and changes to configuration data to support event reporting
    - **Conventional GADS extensions:** Unit design data that is comparable to the types of information being collected for wind and solar; and Contributing Operating Conditions Code

NERC Inverter-Based Resource Subcommittee (IRPS) requests comments for the following NERC Guidelines

*Due by August 5, 2022:*

- BPS-Connected Inverter-Based Resource Performance
- Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources

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

*Due by August 20, 2022:*

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

## EPRI, ESIG, NAGF, and NERC Announce Joint Generator Interconnection Workshop

- [Day 1: The Interconnection Process](#)  
1:00–4:00 p.m. Eastern, August 9, 2022
- [Day 2: Interconnection Studies and Modeling](#)  
1:00–4:00 p.m. Eastern, August 10, 2022
- [Day 3: IBR Interconnection Requirements and Next Steps](#)  
1:00–4:00 p.m. Eastern, August 11, 2022

- 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 Workshops
    - 8<sup>th</sup> Annual Protection System Workshop
      - August 3, 2022      1:00 p.m. – 5:00 p.m.
    - 5<sup>th</sup> Annual Human Performance Workshop
      - August 4, 2022      8:00 a.m. – 12:00 p.m.
- RF Fall Workshops – September 27 & 28, 2022



- SERC – Technical Webinars

- Transmission and Generation Modeling for Evolving Power Grid

- July 27, 2022

- 10:00 a.m. – 4:00 p.m.

Facilitator:  
Monica Burkett,  
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**FERC, NERC, and Regional Activities**



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

# Appendix

Request for Comments: Modifications to Section 1600 Data  
Request for Generating Availability Data System (GADS):

- [GADS Section 1600 Data Request Materials](#)
- [Comment Form](#)



# Draft Reliability Guidelines/Comment Form Links

- Draft Reliability Guideline: BPS-Connected Inverter-Based Resource Performance:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Inverter-Based\\_Resource\\_Performance\\_Guideline\\_redline\\_June\\_16\\_2022.pdf](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Inverter-Based_Resource_Performance_Guideline_redline_June_16_2022.pdf)
- Link to Comment Form: [https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Copy\\_of\\_Comment\\_Matrix\\_IRPTF\\_BPS-Connected\\_Inverter-Based\\_Resource\\_Performance.xlsx](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Copy_of_Comment_Matrix_IRPTF_BPS-Connected_Inverter-Based_Resource_Performance.xlsx)

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- Draft Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Reliability\\_Guideline\\_-\\_Interconnection\\_Requirements\\_redline\\_June\\_16\\_2022.pdf](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Reliability_Guideline_-_Interconnection_Requirements_redline_June_16_2022.pdf)
- Link to Comment Form:  
[https://www.nerc.com/comm/RSTC\\_Reliability\\_Guidelines/Copy\\_of\\_Comment\\_Matrix\\_IRPTF\\_Improvements\\_to\\_Interconnection\\_Requirements\\_for\\_BPS-Connected\\_Inverter-Based\\_Resources.xlsx](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Copy_of_Comment_Matrix_IRPTF_Improvements_to_Interconnection_Requirements_for_BPS-Connected_Inverter-Based_Resources.xlsx)

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- 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\\_redline\\_June\\_16\\_2022.pdf](https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Reliability_Guideline_BESS_Hybrid_Performance_Modeling_Studies_redline_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)



# U.S. Effective Dates 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 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 of NERC Standards

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

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