



Reliability Compliance Update

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September, 2024
NERC Compliance

STANDARD:
MOD-026-1

[Project 2020-06](#) Verifications of Models and Data for Generators Inverter-Based Resource (IBR) Glossary Term

PROJECT BACKGROUND:

Background

The following proposed term is intended to be used in MOD-026 and other inverter-based resource related standards:

Inverter-Based Resource (IBR): A plant/facility consisting of individual devices that are capable of exporting Real Power through a power electronic interface(s) such as an inverter or converter, and that are operated together as a single resource at a common point of interconnection to the electric system. Examples include, but are not limited to, plants/facilities with solar photovoltaic (PV), Type 3 and Type 4 wind, battery energy storage system (BESS), and fuel cell devices.

[Inverter-based Resource Glossary Term-Clean Implementation Plan](#)

Action

End Date

Final Ballot

09/12/2024

STANDARD:
PRC-030-1

Project 2023-02 Analysis and Mitigation of BES Inverter-Based Resource Performance Issues

PROJECT BACKGROUND:

Background

Project 2023-02 addresses the reliability-related need by requiring analysis and mitigation of unexpected or unwarranted protection and control operations from IBRs. This includes any types of protections and controls that result in abnormal performance issues within the plant, including abnormal performance resulting in anomalous behavior of active power output from the facility during events.

PRC-030-1(Unexpected Inverter-Based Resource Event Mitigation): Identify, analyze, and mitigate unexpected Inverter-Based Resource (IBR) change of power output.

[Implementation Plan](#)

[VRF/VSL Justifications](#)

[Comment Form](#)

Action

End Date

**Balloting
&
Comments**

09/13/2024



STANDARD:
MULTIPLE

[Project 2024-01](#) Rules of Procedure Definitions Alignment (Generator Owner and Generator Operator) Standard Authorization Request

PROJECT BACKGROUND:

Background

The project will address concerns regarding the reliability impacts of inverter-based resources (IBRs) on the Bulk-Power System that do not meet the current definition of Bulk Electric System (BES) and have not historically been required to be registered with NERC for compliance with the NERC Reliability Standards. Revising the GO and GOP definitions in the NERC Glossary of Terms to match the registry criteria will ensure these previously unregistered IBRs will be subject to the NERC Reliability Standards and mitigate their impacts on the BPS.

This project will continue to be apprised of updates to the NERC IBR Registration Initiative to ensure reasonable effective dates are implemented and consistent with the NERC Registration Rollout strategy for Category 2 Generator Owners and Generator Operators.

[Comment Form](#)

Reference: [Docket No. RD22-4-000](#),

Action

End Date

Comments

09/16/2024

STANDARD:
MOD-032-2

[Project 2022-02](#) Uniform Modeling Framework for IBR

PROJECT BACKGROUND:

Draft 3 relationship to FERC Order No. 901

Around the time that Draft 3 of proposed Reliability Standard MOD-032-2 was prepared, NERC incorporated FERC Order No. 901, Milestone 3, Part 1 into the current Project 2022-02, expanding the scope of this project to include a uniform modeling framework for IBR and elevating the project to high priority. Given that the DT already modified Draft 3 of proposed Reliability Standard MOD-032-2 in response to Industry comments, and that industry need for DER data exchange continues to exist, this Draft 3 of proposed Reliability Standard MOD-032-2 is being posted for a 45-day comment period with 10-day ballot.

This posting affects Phase I of the project for proposed Reliability Standard MOD-032-2 and does not contemplate the SAR related to FERC Order No. 901; the Milestone 3, Part 1 posted for industry comments May 17 – June 24, 2024.

[Implementation Plan](#)

[Comment Form](#)

Action

End Date

**Balloting
&
Comments**

10/10/2024

STANDARD:
VARIOUS

[Draft 2025-2027 Reliability Standards Development Plan](#)

PROJECT BACKGROUND:

Background

The 2025-2027 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 2025-2027 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.

[Comment Form](#)

Action

End Date

**Comment
Period**

09/20/2024

STANDARD:
MOD-025
PRC-019

[Project 2021-01](#) Modifications to MOD-025 and PRC-019

PROJECT BACKGROUND:

FERC Order No. 901 – Milestone 3, Part 3: System Model Validation with IBRs SAR addresses regulatory directives from NERC Standards Development Work Plan to respond to FERC Order No. 901. This project will address 4 FERC Order No. 901 directives.

[Unofficial Nomination Form](#)

Action

End Date

**Additional
 Drafting Team
 Nominations**

09/13/24

STANDARD:
PRC-002-5
PRC-028-1

Project 2021-04 Modifications to PRC-002 – Phase II

PROJECT BACKGROUND:

Background

The second phase of the project will address gaps the Inverter-Based Resource Performance Task Force (IRPTF) identified within the PRC-002. The goal is to modify the requirements to ensure adequate data is available and periodically assessed to facilitate the analysis of BES disturbances, including in areas of the Bulk Power System (BPS) that may not be covered by the existing requirements.

[PRC-002-5 Clean](#)

[PRC-028-1 Clean](#)

[Implementation Plan](#)

Action

End Date

Final Ballot

09/18/2024

STANDARD:
TPL-001-5.1

Project 2024-02 Planning Energy Assurance

PROJECT BACKGROUND:

Background

Second phase of Project 2022-03 Energy Assurance with Energy-Constrained Resources.

This project will enhance reliability by requiring industry to perform energy reliability assessments for the planning (>one year) time horizon to evaluate energy assurance and when predefined criteria are not met, develop Corrective Action Plan(s), Operating Plans, or other mitigating actions to address identified risks. Energy reliability assessments evaluate energy assurance across the Long-Term Transmission Planning by analyzing the expected resource mix availability (flexibility) and the expected availability of fuel during the study period.

Additional standard revisions may be determined by the drafting team.

[Nomination Form](#)

Action

End Date

**Drafting Team
Nominations**

09/26/2024

Standard Committee and NERC Ride-through Technical Conference

➤ Project 2020-02 Modifications to PRC-024 (Generator Ride-through) | PRC-029-1

➤ September 4 and 5, 2024

09:00 a.m. – 4:00 p.m. Eastern

- [Meeting Registration and Details](#)
- [Virtual Registration](#)
- [Agenda](#)
- [Panel Questions](#)
- [Conference Details](#)

- At the August 2024 NERC Board of Trustees (BOT) Meeting, the BOT invoked Section 321 of the NERC Rules of Procedure to expedite Standard Development Project 2020-02 – Modifications to PRC-024 (Generator Ride-Through).
- Project 2020-02 has failed to achieve consensus from the RBB over multiple ballots, calling into question whether the project would be completed by FERC’s November 4, 2024, filing deadline.
- Using input from the technical conference:
 - The proposed Reliability Standard will be revised as appropriate and balloted (once).
 - If the standard achieves at least 60% stakeholder approval, the Board may consider it for adoption under this special process.
- There is a 45-day deadline to complete the process.
- The Board will consider further action based on the results of the ballot.
- Link to this information: https://serc1.org/docs/default-source/default-document-library/heidrich_ibr-initiative_rfi-08-27-2024.pdf

Industry Workshop – Hybrid Meeting

- Geomagnetic Disturbance Mitigation
 - May 2024 GMD Event Review
 - October 1, 2024 1:00 p.m. – 5:30 p.m. Eastern
 - October 2, 2024 8:30 a.m. – 12:30 p.m. Eastern

[Workshop Registration](#) – For in-person attendees only

[Webex Registration October 1](#)

[Webex Registration October 2](#)

Industry Workshop

- BES Protection System Misoperation Reduction Workshop
 - October 1, 2024 8:00 a.m. – 5:00 p.m. Mountain
 - October 2, 2024 8:00 a.m. – 5:00 p.m. Mountain

[Workshop Agenda](#)

[Workshop Registration](#)

[WECC Visitor Information](#)

Technical Conference

➤ Monitoring and Situational Awareness

- October 8, 2024 8:00 a.m. – 5:00 p.m. Eastern
- October 9, 2024 8:00 a.m. – 12:00 p.m. Eastern

Space is limited, be sure to register early !

[Conference Agenda](#)

[Conference Registration](#)

[Hotel and Travel Information](#)

[Presentations from previous conferences](#)

Industry Webinar

➤ Project 2022-02 Uniform Modeling Framework for IBR

➤ September 20, 2024 1:00 p.m. – 3:00 p.m. Eastern

[Join WebEx Meeting](#)

Save the Date

➤ 2024 NERC-NATF-EPRI Annual Transmission Planning and Modeling Workshop

➤ November 19 and 20, 2024

1:00 p.m. – 5:00 p.m. Eastern

➤ [Registration](#)

New Call for Volunteers for Large Loads Task Force (LLTF)

- The Reliability and Security Technical Committee (RSTC) has given the green light for the establishment of the [Large Loads Task Force \(LLTF\)](#) to better understand the reliability impact(s) of emerging large loads such as data centers (including crypto and AI) and hydrogen fuel plants and their impact on the bulk power system (BPS). The LLTF is seeking volunteers with specific skills and technical expertise in the following areas:
 - Assessing the reliability impacts of emerging large loads on the BPS
 - Implementing emerging large loads in BPS planning studies and real time operations
 - Forecasting and modeling of emerging large loads
 - Design and operation of large loads

For more information about the LLTF, see the [LLTF Scope](#) document. If you are interested in becoming a member, please fill out this brief [survey](#).

New Call for Volunteers for Electric Vehicle Task Force (EVTF)

The focus of the [EVTF](#) is to address integration challenges and develop potential solutions to the engineering challenges posed by the integration of this emerging load type. This group aims to serve as an open stakeholder forum for Electric Vehicles (EVs), Charging Station Original Equipment Manufacturers (OEMs), and utilities. The forum will work towards enhancing utility knowledge of modern EV charging technology, improving the modeling of such technology, and establishing a common language to exchange impact and risk information between electric utilities and the automotive industry. The EVTF is seeking volunteers to join the team with specific skills, knowledge, and technical expertise in the following areas:

- Design of EV charging stations, charging points, or charging algorithms,
- Design of EV discharging behavior or algorithms,
- Electrical interface design of EVs or EV service equipment,
- Utility programs and interconnection studies for EV equipment,
- Other interested parties, including entities affected by adoption at-scale of EVs or EV service equipment

For more information about the EVTF, see the [EVTF Scope](#) document. If you are interested in becoming a member, please fill out this brief [survey](#).

2024 Cold Weather Preparedness FAQ

NERC has published a FAQ document from the 2024 Cold Weather Small Group Advisory Sessions conducted in May of this year. This Document provides registered entities with ERO Enterprise responses to frequently asked questions related to these Standards:

- EOP-011-4 – Emergency Preparedness and Operations
- EOP-012-2 – Extreme Cold Weather Preparedness and Operations
- TOP-002-5 – Operations Planning

As a reminder, the recording of the cold weather preparedness Small Group Advisory general sessions webinar is available [here](#).

[2024 Cold Weather Preparedness FAQ](#)

ReliabilityFirst (RF)

- Technical Talks with RF
 - October 28, 2024
 - November 18, 2024

2:00 p.m. – 3:30 p.m.

2:00 p.m. – 3:30 p.m.

<https://www.rfirst.org/events/list/>

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