

Reliability Compliance Update

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October 2025

STANDARD:
FAC-002-5

Project 2022-04 EMT Modeling

PROJECT BACKGROUND:

Background

The bulk power system (BPS) in North America is undergoing a rapid transformation towards high penetrations of inverter-based resources. Transmission Planners (TP) and Planning Coordinators (PC) are concerned about the lack of accurate modeling data and the need to perform electromagnetic transient (EMT) studies during the interconnection process and long-term planning horizon. The growth of inverter technology has pushed conventional planning tools to their limits in many ways, and TPs and PCs are now faced with the need to conduct more detailed studies using EMT models for issues related to inverter-based resource integration issue.

[Comments](#)

Action

End Date

**Join Ballot
Pools**

11/6/25

**Initial Ballots
and Non-
Binding Poll**

**11/12/25-
11/21/25**

Comments

11/21/25

STANDARD:
BAL-003

Project 2017-01 Modification to BAL-003 Phase II

PROJECT BACKGROUND:

Background

The **Project 2017-01** Drafting Team (DT) is requesting industry to provide informal feedback under Section 4.5 of the [Standard Processes Manual](#) via the informal survey found on the [project page](#). Discussion at DT meetings has examined whether batteries or battery energy storage systems (BESS) are providing the frequency response. NERC does not currently have the data at the granularity requested by this informal survey and responses will allow the DT to make an informed decision on the direction needed for the proposed Reliability Standard BAL-003-3. The DT will review responses and determine what has changed, if the measurement process is still a reasonable approach, or if there are other revisions that the DT should consider. Responses will be maintained as Confidential Information consistent with Section 1500 of the Rules of Procedure. Additional background, details on the requested data, and how to submit responses are provided [here](#).

Action

End Date

**Industry
Informal
Survey**

10/29/25

Request for Comments

Draft Reliability Guideline: **Commissioning Best Practices for BPS-Connected IBRs**

Comment by - November 6, 2025

- [Effectiveness Survey](#) – access to comment form provided after completion.
- [Draft Reliability Guideline: Commissioning Best Practices For BPS-Connected Inverter-Based Resources](#)

Recommendation to Industry

Large Load Interconnection, Study, Commissioning, and Operations

Acknowledgement required by September 16, 2025

Reporting required by January 28, 2026

NERC issued a Level 2 Alert Recommendation to Industry, *Large Load Interconnection, Study, Commissioning, and Operations*, to Distribution Providers (DP), Transmission Owners (TO), Transmission Planners (TP), Planning Coordinators (PC), Reliability Coordinators (RC), Resource Planners (RP), Transmission Operators (TOP), and Balancing Authorities (BA). The alert includes five primary recommendations regarding TO interconnection requirements, TP and PC interconnection and system-wide studies, TO load commissioning, TO operating protocols, and long-term forecasting for TPs, RPs, and PCs.

NERC registered entities should note that only entities registered as the above-mentioned functional groups will be able to view and respond to the alert in the NERC Alert System. However, the alert is public and may be viewed at the link below.

Click here for [Level 2 Alert Large Loads](#)

Level 2 Alert Recommendations to Industry Large Load Interconnection, Study, Commissioning, and Operations

November 6, 2025 | 2:00–4:00 p.m. Eastern

[Webinar Registration](#)

[Question Submittal Form](#)

Project 2024-02 Planning Energy Assurance

November 17, 2025 | 2:00 – 3:30 p.m. Eastern

Webinar Overview

Project 2024-02 drafting team will review the proposed new defined term *Long-Term Energy Reliability Assessment* with the new Reliability Standard [*Standard Name and Number TBD*]. Q&A session(s) will be held throughout the presentation.

[Join Webex](#)

Dial-in: 1-415-655-0002 (US Toll); 1-416-915-8942 (Canada Toll)

Meeting Number/Access Code: 2310 719 1839

FERC Order No. 909 Virtual Technical Workshop

Date: November 5, 2025 | 9:30 a.m. – 5:00 p.m. Eastern

The focus of this workshop will be FERC Order No. 909, which was issued in July 2025, and approved new Reliability Standards PRC-024-4 and PRC-029-1 for frequency and voltage protection settings and ride-through requirements for inverter-based resources (IBRs) as well as issuing new directives to NERC.

The order also directed NERC—within 12 months of the effective date of the order—to clarify requirements for legacy equipment needed to support an exemption and determine whether and how to account for the equipment limitations of high-voltage direct current-connected IBRs with choppers and the long lead time between adopting IBR design specifications and placing the IBR into service.

[Registration](#) | [Agenda](#)

2025 NERC-NATF-EPRI Annual Transmission Planning and Modeling Workshop Webinar

November 12, 2025 | 1:00 – 5:00 p.m. Eastern

November 13, 2025 | 1:00 – 5:00 p.m. Eastern

The theme for this year is "Inverters and Intelligence: The New Power Paradigm." The workshop will highlight the latest developments in transmission planning and modeling and will focus on the following topics:

- Essential Actions for IBR Performance and Modeling
- NERC Projects and Activities
- IBR Modeling and Requirements
- Large Load Industry Activities
- Artificial Intelligence in Transmission Planning



NERC Announcement - Compliance Guidance Update

***NEW* Endorsed Implementation Guidance**

EOP-012-3 Requirement R1 – Extreme Cold Weather Temperature (NAGF)

This Implementation Guidance is focused on the Extreme Cold Weather Temperature (ECWT) value determination. It is intended to provide guidance, through examples, to demonstrate how a Generator Owner could use available temperature data in a reasonable and logical manner to determine a generating unit's ECWT.

[Compliance Guidance web page](#)

ReliabilityFirst (RF)

➤ Technical Talks with RF

- | | |
|---------------------|-----------------------|
| ➤ November 17, 2025 | 2:00 p.m. – 3:30 p.m. |
| ➤ December 15, 2025 | 2:00 p.m. – 3:30 p.m. |
| ➤ January 12, 2026 | 2:00 p.m. – 3:30 p.m. |
| ➤ March 16, 2026 | 2:00 p.m. – 3:30 p.m. |
| ➤ April 20, 2026 | 2:00 p.m. – 3:30 p.m. |
| ➤ May 18, 2026 | 2:00 p.m. – 3:30 p.m. |

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

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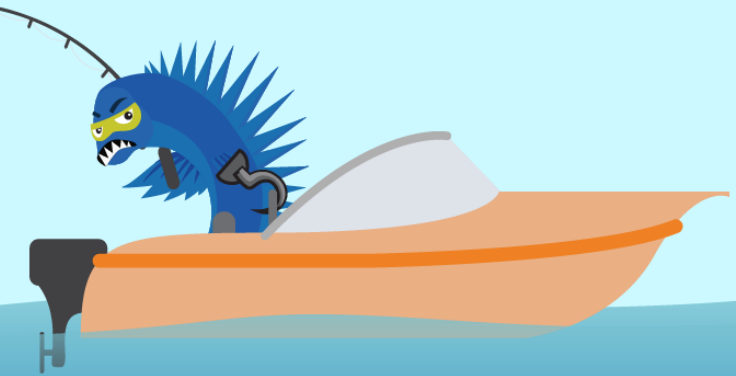
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