

Reliability Compliance Update

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October, 30 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:
TPL-001-5.1

Project 2024-02 Planning Energy Assurance

PROJECT BACKGROUND:

Background

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.

[Comments](#)

Action

End Date

**Join Ballot
Pools**

11/19/25

**Initial Ballots
and Non-
Binding Poll**

**12/1/25-
12/10/25**

Comments

12/10/25

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

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

[Register](#)

***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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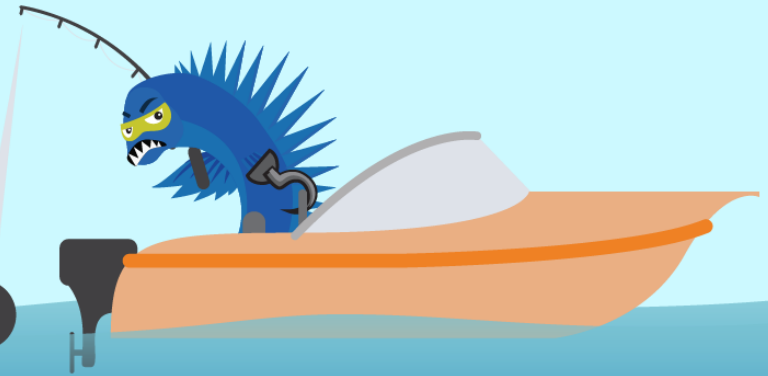
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