

Reliability Compliance Update

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October 2025

STANDARD:
MULTIPLE

Project 2025-03 Order No. 901 Operational Studies SAR

PROJECT BACKGROUND:

Background

This project will address FERC Order No. 901 directives related to the inclusion of IBR performance and behavior in operational assessments and real-time monitoring of individual IBR plants (i.e., individual IBR) as well as IBR plants in the aggregate across an operator's footprint (i.e., IBR in the aggregate). Further, the drafting team will address the similar FERC Order No. 901 directives to include aggregate DERs in operational assessments and real-time monitoring.

[Unofficial Comment Form \(Word\)](#)
[Unofficial Nomination Form \(Word\)](#)

Action

End Date

Comment

10/1/25

STANDARD:
MULTIPLE

Project 2025-04 Order No. 901 Planning Studies SAR

PROJECT BACKGROUND:

Background

FERC Order No. 901 addresses a wide spectrum of reliability risks to the grid from the application of Inverter-Based Resources (IBRs), including both utility scale and behind-the-meter or distributed energy resources (DERs).

The drafting team will address FERC Order No. 901 directives related to planning studies and ensure that impact of IBRs on bulk power system reliability is adequately captured. The Drafting Team may revise the Transmission System Planning Performance Requirements (TPL-001-5.1) standard or create a new standard to incorporate additional considerations for planning studies stemming from including the registered and unregistered IBRs individually and in the aggregate, as well as aggregate DERs in the system model.

[Unofficial Comment Form \(Word\)](#)

[Unofficial Nomination Form \(Word\)](#)

Action

End Date

Comment

10/1/25

STANDARDS:
MOD-032-2
IRO-010-6
TOP-003-8

Project 2022-02 Uniform Modeling Framework for IBR

PROJECT BACKGROUND:

Drafted MOD-032-2 replaces the Load-Serving Entity (LSE) as an applicable entity with the Distribution Provider (DP) and updates Attachment 1: Data Reporting Requirements with data specific to DERs and IBRs. Drafted MOD-032-2 also adds a new Part 1.2 in Requirement R1, which would require the PC and TP to include in their data requirements and procedures requirements for model submissions in accordance with the Criteria for Acceptable Models List maintained by NERC. New Requirement R2 Part 2.1 addresses estimation of unregistered IBR or DER data where actual data is not available.

Revisions in the TOP and IRO data specification standards specify that entities responsible for developing and distributing data specifications shall include requirements for model submissions in accordance with the Criteria for Acceptable Models List maintained by the ERO.

[Info](#) / [Vote](#)

Action

End Date

Final Ballots

10/3/25

STANDARD:
MOD-026-2

Project 2020-06 Verification of Models and Data for Generators

PROJECT BACKGROUND:

Background

As a Milestone 3 project, Project 2020-06 addresses the FERC directives in Order No. 901 to develop new or modified Reliability Standards for modeling verification and modeling validation for registered inverter-based resources (IBR), unregistered and aggregated IBR, and aggregated distributed energy resources. Additionally, Project 2020-06 proposes definitions for Model Verification and Model Validation to address the need for a uniform understanding of these terms. The MOD-026-2 standard and definitions must be filed with FERC by November 4, 2025, in accordance with Order No. 901.

[Comment Form](#) / [Info](#) / [Vote](#)

Action

End Date

**Additional
Ballots and
Non-Binding
Poll**

**10/6/25-
10/10/25**

Comments

10/10/25

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](#)

Industry Workshop

3rd Annual BES Protection System Misoperation Reduction Workshop

October 7-8, 2025 | 8:00 a.m. – 5:00 p.m. Central

MRO Office

380 St. Peter Street, Suite 800

St. Paul, MN 55102

[Workshop Registration](#)

[Agenda](#) | [Workshop Presentations](#)

Space is limited so be sure to register early!

2025 Electromagnetic Transient Simulation Workshop

Electromagnetic Transient Modeling Task Force (EMTTF) | Hosted
by Oak Ridge National Laboratory

Dates: October 7-9, 2025 | 8:00 a.m. – 5:00 p.m.

Location: Bridgewater Place, 205 Bridgewater Rd, Knoxville, TN 37923

Registration Link: [2025 Electromagnetic Transient Simulation Workshop](#)

Content: Working group meetings, panel discussions, keynotes, and tutorials

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](#)

Save the Date: **FERC Order No. 909 Virtual Technical Workshop**

Date: November 5, 2025 | 10:00 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.

Further details and an agenda will be shared as soon as they become available.

ReliabilityFirst (RF)

➤ Technical Talks with RF

➤ October 13, 2025

2:00 p.m. – 3:30 p.m.

➤ November 17, 2025

2:00 p.m. – 3:30 p.m.

➤ December 15, 2025

2:00 p.m. – 3:30 p.m.

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

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