



# Reliability Compliance Update

Gizella Mali  
November, 2024  
NERC Compliance

**STANDARD:  
TPL-008-1**

## [Project 2023-07](#) **Transmission Planning Performance Requirements for Extreme Weather**

### PROJECT BACKGROUND:

#### Background

FERC directed NERC (Order No. 896) to develop modifications to Reliability Standard TPL-001-5.1 or a new Reliability Standard, to require the following:

- (1) development of benchmark planning cases based on major prior extreme heat and cold weather events and/or meteorological projections;
- (2) planning for extreme heat and cold weather events using steady state and transient stability analyses expanded to cover a range of extreme weather scenarios including the expected resource mix's availability during extreme heat and cold weather conditions, and including the wide-area impacts of extreme heat and cold weather; and
- (3) development of corrective action plans that mitigate any instances where performance requirements for extreme heat and cold weather events are not met.

[Draft 4 TPL-008-1 Redline](#)  
[Comment Form](#)

Action

End Date

**Additional Ballot**

**11/12/24-  
11/21/24**

**Comments**

**11/21/2024**

## Webinar Announcement

- Equipment Failure Models and Mechanisms
  - November 18                      12:00 – 1:00 p.m. Eastern

[Webinar Registration](#)

## 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](#)

## Request for Comments

- Modifications to Section 1600 Data Request for Transmission Availability Data System (TADS)
  - Comments due: November 25, 2024

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

All comments are due by 8:00 p.m. EST on November 25, 2024, and must be submitted in an electronic document to [tads@nerc.net](mailto:tads@nerc.net) using the comment form at the link above.

## NERC's Milestone 3 Projects Highlight and Address Scope of Issues Related to Current State of Model Quality

NERC's [Order No. 901 work plan](#) includes four milestones designed to meet FERC's directives within the specified timeframes. Milestone 3 focuses on developing and filing standards that enhance data sharing and model validation for all IBRs. This milestone has a filing deadline of November 4, 2025, with a full implementation target of January 1, 2030.

### Key Milestone 3 Takeaways and Engagement Opportunities

- **Industry Engagement:** Stakeholders are encouraged to engage with the drafting teams in early 2025 to facilitate a timely November 2025 filing.
- **Comprehensive Approach:** While not all projects directly address Order No. 901 directives, they are essential for creating a cohesive strategy for modeling validation and data sharing within NERC's Reliability Standards.
- **Collaborative Updates:** NERC's drafting teams will continue to collaborate and provide regular updates.

[Milestone 3 Summary | Full Announcement](#) | [Milestone 3 Summary](#) | [Infographic](#)

## IBR Registration Resources for New Registrants

Over the past six years, system events have demonstrated that inverter-based resources (IBR) are having a major impact on generation, transmission, and distribution systems. These resources play a critical role in the transition to a more resilient and sustainable future energy landscape, but their unique characteristics present new challenges for grid reliability and stability. As part of its [IBR Strategy](#), NERC is dedicated to identifying and addressing challenges associated with IBRs, sharing risk mitigation techniques with industry, and providing best practices and education.

The [IBR Registration Initiative](#) is one way NERC addresses these challenges. This initiative, [directed by the Federal Energy Regulatory Commission \(FERC\)](#) in 2022 and [launched in 2023](#), seeks to identify and register owners and operators of currently unregistered bulk power system-connected IBRs, thereby closing the reliability gap in which 16% of IBR owners and operators that are connected to the bulk power system are not yet required to register with NERC or adhere to its Reliability Standards.

NERC recognizes the critical importance of ensuring that identified entities are integrated smoothly and are educated on the scope and role of the ERO Enterprise. To that end, NERC has developed new resources to provide support and education on IBRs, the IBR Registration Initiative, and the ERO Enterprise model.

[Full Announcement](#) | [NERC, E-ISAC, and IBR Registration 101](#) | [Ensuring Grid Reliability—the Inverter-Based Resource Registration Initiative \(video\)](#) | [Open Letter to New Registrants](#)

## Save the Date – Industry Engagement Workshop

### ➤ Reliable IBR Integration and Milestone 3 of FERC Order No. 901

#### **Day 1 | IBR Integration, NERC Engineering**

January 15, 2025 | 8:30 a.m. - 4:30 p.m. Mountain

#### **Day 2 | Milestone 3, NERC Standards**

January 16, 2025 | 8:30 a.m. - 4:30 p.m. Mountain

#### **In-Person Attendance:**

**Location:** Phoenix, Arizona - Hotel to be Announced

**Virtual Attendance:** [Webinar Registration](#)



## ERO Enterprise Periodic Data Submittal Schedule

➤ 2025 Annual Update

[2025 ERO Enterprise Periodic Data Submittal Schedule](#)  
[CA One-Stop Shop](#)

## ReliabilityFirst (RF)

- Technical Talks with RF
  - November 18, 2024
  - December 16, 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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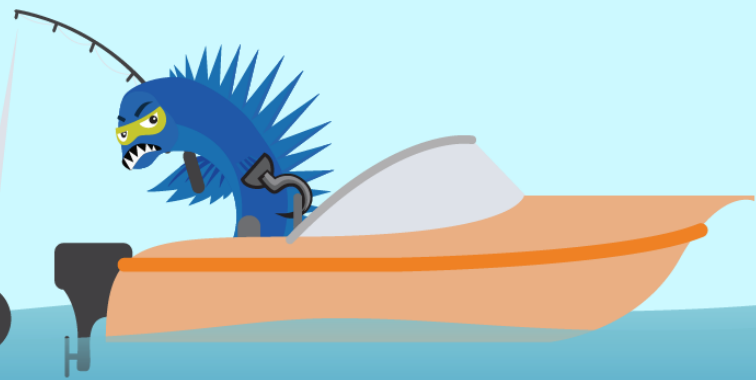
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