

Reliability Compliance Update

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September 2025

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](#)

Action

End Date

**Additional
Ballots and
Non-binding
Polls**

9/10/25

Comments

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

Project 2022-02 Uniform Modeling Framework for IBR

PROJECT BACKGROUND:

Project 2022-02 Uniform Modeling Framework for IBR will address 24 regulatory directives from FERC Order No. 901 – Milestone 3, Phase one. Specifically, modeling and data sharing requirements to establish sufficient IBR model data and parameters to assure accurate representation of IBR performance within the models. This project is intended to establish new or revised Reliability Standards to ensure the usage of a uniform framework for data sharing and model development. This uniform framework is to ensure the directives of Order No. 901 can be effectively met to ensure usage of generic model types for IBR in the Interconnection-wide models.

[Comment Form](#)

Action

End Date

**Additional
Ballots and
Non-binding
Polls**

9/10/25

Comments

STANDARD:
MOD-033-3

[Project 2021-01](#) System Model Validation with IBRs

PROJECT BACKGROUND:

Background

The Federal Energy Regulatory Commission (FERC) issued Order No. 901 on October 19, 2023, which includes directives on new or modified NERC Reliability Standard projects. Order No. 901 addresses a wide spectrum of reliability risks to the grid from the application of inverter-based resources (IBR), including both utility scale and behind-the-meter or distributed energy resources. Within the Order, are four milestones that include sets of directives to NERC. NERC developed a [directive mapping document](#) as part of its [workplan](#) to address all aspects of Order No. 901. The [Milestone 3](#) projects will address deficiencies within the current state of model quality. Project 2021-01 addresses Model Validation of both steady-state and dynamic system models against actual system behavior.

[Comment Form](#)

Action

End Date

**Additional
Ballots and
Non-binding
Polls**

9/10/25

Comment

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

**Drafting Team
Nominations**

9/15/25

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

**Drafting Team
Nominations**

9/15/25

Comment

10/1/25

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

ReliabilityFirst (RF)

➤ Technical Talks with RF

- September 8-10, 2025 Fall Reliability & Security Summit
- 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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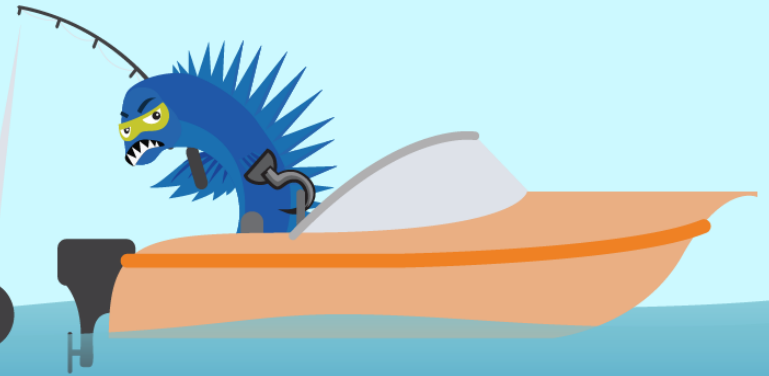
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