



Reliability Compliance Update

Gizella Mali

May 2025

FERC & Reliability Compliance

STANDARD:
MULTIPLE

[Project 2024-01](#) Rules of Procedure Definitions Alignment (Generator Owner and Generator Operator) Standard Authorization Request

PROJECT BACKGROUND:

Background

The project will address the definitions for Generator Owners and Generator Operators within the NERC Glossary of Terms to ensure the inclusion of inverter-based resources (IBRs) on the Bulk-Power System (BPS) that do not meet the current definition of Bulk Electric System (BES), but do meet registration criteria updated with the June 27, 2024 approved changes to the NERC Rules of Procedure. See Federal Energy Regulatory Commission (FERC) [Docket No. RD22-4-000](#).

In March 2024, NERC proposed changes to its Rules of Procedure registry criteria to include certain non-BES IBRs in the GOs and GOP categories. Revising the GO and GOP definitions in the NERC Glossary of Terms to match the registry criteria will ensure these previously unregistered IBRs will be subject to the NERC Reliability Standards and mitigate their impacts on the BPS. The revisions to the NERC Rules of Procedure were submitted to FERC in response to direction to NERC to develop a work plan to address the registration of these IBRs and ensure their compliance with Reliability Standards by certain milestone dates. *See Registration of Inverter-Based Resources*, 181

FERC ¶ 61,124 (Nov. 17, 2022)

[Unofficial Comment Form](#)

Action

End Date

**Initial Ballots &
Non-Binding
Poll**

4/28-5/7

Comment

5/7/2025

DEFINITIONS:

[Project 2020-06](#) Verifications of Models and Data for Generators

PROJECT BACKGROUND:

The terms proposed below are intended to be used in MOD-026-2 and other modeling-related standards.

Model Verification: The process of confirming that model structure and parameter values represent the equipment or facility design and settings by reviewing equipment or facility design and settings documentation.

Model Validation: The process of comparing measurements with simulation results to assess how closely a model's behavior matches the measured behavior.

Action

End Date

**Join Ballot
Pools**

4/28/25

**Comments &
Ballots**

5/12/25

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.

Action

End Date

**Join Ballot
Pools**

4/28/25

**Comments &
Ballots**

5/16/25

STANDARD:
MOD-033

Project 2021-01 System Model Validation with IBRs

PROJECT BACKGROUND:

Standard Drafting Team reports no substantive MOD-033 modifications but areas to improve the clarity of both the requirements and measures of the standard.

Requirement R1 – included (1) the proposed new glossary term “Model Validation” and (2) concept of Planning Coordinator’s portion of the existing system.

R1, Part 1.1 clarified that steady-state system model validation is accomplished by comparing the power flow simulation (results) to actual system behavior

R1, Part 1.2 clarified that steady-state system model validation is accomplished by comparing the power flow simulation (results) to actual system behavior

R1, Part 1.3 eliminated redundancy and corrected its applicability to Parts 1.1 and 1.2 by replacing “or” with “and” because the “unacceptable differences in performance” criteria are needed for both steady state and dynamic model

Action

End Date

**Join Ballot
Pools**

4/28/2025

**Comments and
Ballots**

5/21/25

Industry Engagement Workshop – Order 901 IBR Milestone 3

Workshop to focus on discussing industry comments regarding the following projects:

- **Project 2020-06 – Verifications of Models and Data for Generators**
- **Project 2021-01 – System Model Validation with Inverter-Based Resources (IBRs)**
- **Project 2022-02 – Uniform Modeling Framework for IBRs**

June 3-5, 2025 (June 3rd 12:00 p.m. - 5:00 p.m.; June 4th 9:00 a.m. - 5:00 p.m.; and June 5th 9:00 a.m. – 12:00 p.m.)

In-Person Attendance: [In-person Registration](#)

Virtual Attendance: [Webinar Registration](#)

Request for Comments

- Draft Reliability Guideline: Recommended Approaches for UFLS Program Design with Increasing Penetrations of DERs
 - Comment period March 17, 2025 – May 1, 2025

[Draft Reliability Guideline: Recommended Approaches for UFLS Program Design with Increasing Penetrations of DERs](#)

[Effectiveness Survey](#)

ReliabilityFirst (RF)

➤ Technical Talks with RF

- | | |
|-------------------|-----------------------|
| ➤ May 19, 2025 | 2:00 p.m. – 3:30 p.m. |
| ➤ June 16, 2025 | 2:00 p.m. – 3:30 p.m. |
| ➤ July 21, 2025 | 2:00 p.m. – 3:30 p.m. |
| ➤ August 18, 2025 | 2:00 p.m. – 3:30 p.m. |

➤ 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/>

SME/Presenter:
Gizella Mali

Gizella.Mali@pjm.com

Elizabeth.Davis@pjm.com

Regional_compliance@pjm.com



Member Hotline

(610) 666 – 8980

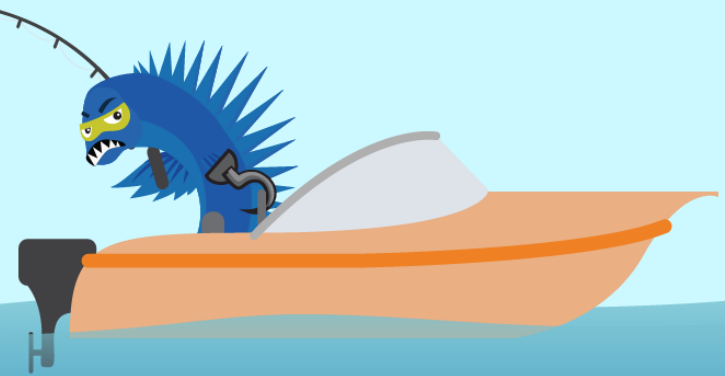
(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID**
**THINK BEFORE
YOU CLICK!**



**BE ALERT TO
MALICIOUS PHISHING
EMAILS**



Report suspicious email activity to PJM.
Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com