



Consistent with its [Inverter-Based Resource Strategy](#), NERC is dedicated to identifying and addressing challenges associated with inverter-based resources (IBR) as their penetration continues to increase. In addition, FERC issued two orders with directives to NERC regarding IBRs: (1) an [order](#) directing NERC to identify and register owners and operators of currently unregistered bulk power system-connected IBRs; and (2) [Order No. 901](#) directing the development of Reliability Standards addressing multiple aspects of IBR planning. Working closely with industry and stakeholders, NERC is executing a [FERC-approved IBR Registration work plan](#) and an [Order No. 901 Work Plan](#) to achieve these directives within the prescribed timeframes.

2025 First Quarter Update

First quarter activity focused on continued outreach to registration candidates and the development of resources to aid their entry into the ERO Enterprise.

Key Activities

Legal

On February 5, 2025, NERC filed its quarterly [registration work plan progress update](#) with FERC.

On February 20, 2025, FERC issued an [order](#) approving the new definition of “Inverter-Based Resource” for inclusion in the NERC Glossary of Terms, PRC-028-1 – Disturbance Monitoring and Reporting Requirements for Inverter-Based Resources, and PRC-030-1 – Unexpected Inverter-Based Resource Event Mitigation. The order also approved PRC-002-5 – Disturbance Monitoring and Reporting Requirements, which applies to non-IBR Bulk Electric System Elements. This definition and the approved Reliability Standards will become effective consistent with their associated implementation plans.

On March 24, 2025, NERC filed [comments](#) on the FERC [Notice of Proposed Rulemaking](#) proposing to approve PRC-024-4 – Frequency and Voltage Protection Settings for Synchronous Generators, Type 1 and Type 2 Wind Resources, and Synchronous Condensers, PRC-029-1 –

Frequency and Voltage Ride-through Requirements for Inverter-Based Resources, and the proposed definition of “ride-through” for inclusion in the NERC Glossary of Terms.

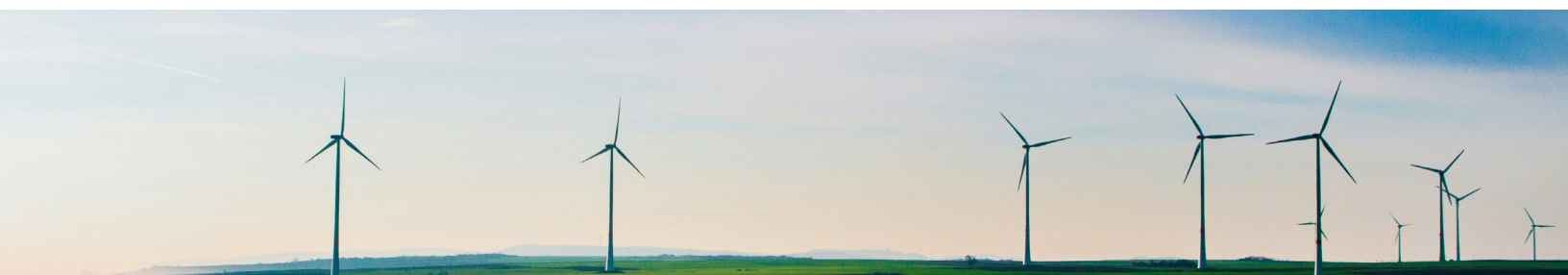
Registration

ERO Enterprise Registration staff posted the [ERO Enterprise CMEP Practice Guide: Application of the Registration Criteria for Category 2 Generator Owner and Generator Operator Inverter-Based Resources](#) on January 31, 2025. CMEP Practice Guides are developed solely by the ERO Enterprise to reflect the independent and objective judgment of ERO Enterprise staff. Following development, they are posted for transparency on the NERC website. In addition, NERC held an informational webinar on March 3, 2025 to address the practice guide and answer questions from stakeholders. The [webinar slide presentation](#) and [recording](#) were also posted.

Standards

NERC continues to advance new or modified standards in

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Initiative Quick Reference Guide**



response to Order No. 901 and developed the following to provide more information on NERC's response to Milestone 3 of the order:

- [FERC Order No. 901 – Summary Information of Milestone 3](#)
- [FERC Order No. 901 – Summary Graphic of Milestone 3](#)
- [Standards Development Mapping of FERC Order 901 Directives and Other Guidance to Standards Development Projects](#)

NERC hosted a joint workshop January 15–17, 2025, during which NERC staff and drafting team members reviewed the FERC directives associated with Milestone 3 and discussed industry concerns prior to the development or modification of each standard(s) with its associated project. Milestone 3 project drafts are expected to be posted in April or May. All new or modified Reliability Standards and associated Implementation Plans addressing Milestone 3 of Order No. 901 must be filed

with FERC by November 4, 2025.

The initial draft of the revised definitions for Generator Owner and Generator Operator to include Category 2 IBR facilities ([Project 2024-01 Rules of Procedure Definitions Alignment GO and GOP](#)) was approved for posting during the March Standards Committee meeting. This draft is open for formal comment March 24–May 7 and will be balloted April 28–May 7.

Stakeholder Outreach and E-ISAC Engagements

NERC continues to target stakeholder engagement opportunities. Additionally, the E-ISAC is increasing collaboration and engagement efforts as the initiative moves toward Phase 3. The E-ISAC will support IBR outreach and engagement at several renewable energy events throughout the year, including DistribuTECH in March and the Solarplaza Summit Asset Management in April. The E-ISAC also continues to provide threat briefings and stakeholder engagement updates during SEIA's Cyber Security Working Group monthly meetings.

Resources

NERC maintains several resources to ensure industry and stakeholders are kept informed throughout this critical, three-phase project, including the [IBR Registration Initiative Quick Reference Guide](#) (housed under the Initiatives tab on NERC's website), an [ERO Enterprise IBR event tracking graphic](#), project milestones, updated FAQs and guides for new entities, and quarterly updates. As needs are identified, NERC will develop more fact sheets and educational materials to integrate new entrants into the broader ERO Enterprise model.

Please visit the [NERC](#) and the [E-ISAC](#) websites to learn more about their critical reliability and security work. Additionally, the Regional Entities also have IBR Registration Initiative information available:

- [NPCC](#)
- [MRO](#)
- [Reliability First](#)
- [SERC](#)
- [Texas RE](#)
- [WECC](#)

IBR Registration Milestones

Phase 1: May 2023–May 2024

- Complete Rules of Procedure revisions and approvals
- Commence Category 2 GO and GOP candidate outreach and education (e.g., through trade organizations)

Phase 2: May 2024–May 2025

- Complete identification of Category 2 GO and GOP candidates
- Continue Category 2 GO and GOP candidate outreach and education (e.g., quarterly updates, webinars, workshops, etc.)

Phase 3: May 2025–May 2026

- Complete registration of Category 2 GO and GOP candidates thereafter subject to applicable NERC Reliability Standards
- Conduct specific Category 2 GO and GOP outreach and education (e.g., quarterly updates, webinars, workshops, etc.)

