



Consistent with its [Inverter-Based Resource Strategy](#), NERC is dedicated to identifying and addressing challenges associated with inverter-based resources (IBR) as the penetration of these resources 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 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 Second Quarter Update

During the second quarter, IBR Registration Initiative efforts focused heavily on outreach, education, and engagement to support newly identified and already registered Category 2 Generator Owners and Generator Operators. This included direct engagement with stakeholders, publication of resources, coordination across the ERO Enterprise to raise awareness and preparedness among asset owners and operators, and filing a [registration work plan progress update](#) with FERC as the initiative entered its third and final phase in May.

Key Activities

Legal

On April 18, 2025, NERC filed [reply comments](#) on the FERC [Notice of Proposed Rulemaking](#) (NOPR) proposing to approve the following proposed Reliability Standards and definition: (1) proposed Reliability Standard PRC-024-4 – Frequency and Voltage Protection Settings for Synchronous Generators, Type 1 and Type 2 Wind Resources, and Synchronous Condensers; (2) proposed Reliability Standard PRC-029-1 – Frequency and Voltage Ride-through Requirements for IBRs; and (3) the proposed definition of “Ride-through” for inclusion in the NERC Glossary of Terms Used in Reliability Standards. The limited reply comments address concerns raised by industry stakeholder comments. NERC previously filed [comments](#) on the NOPR on March 24, 2025.

Registration

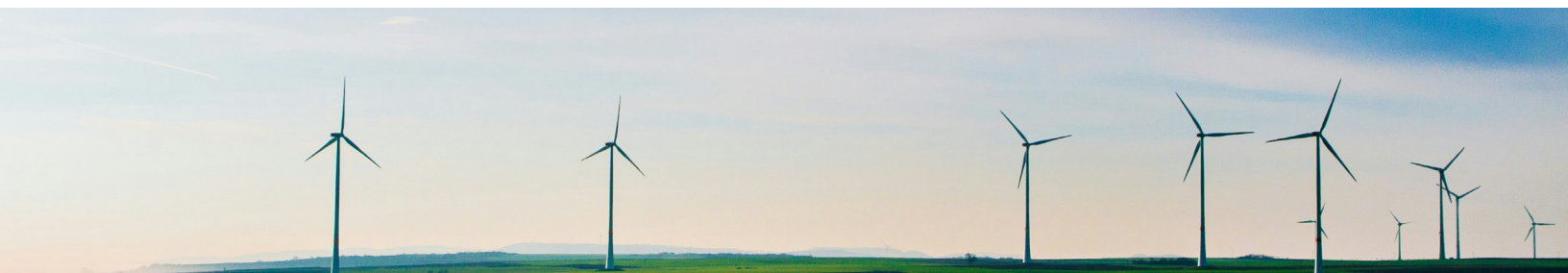
The Centralized Organization Registration ERO System (CORES) functionality to register Category 2 Generator

Owners (GO) and Generator Operators (GOP) has been developed, is currently undergoing testing and is on schedule for production. NERC will host an [informational webinar](#) on July 14 focused on the registration process for Category 2 GOs and GOPs, including the new CORES functionality, and will also include an update on the IBR Initiative Milestones and Resources and an overview of the Electricity Information Sharing and Analysis Center (E-ISAC).

Standards

The new definitions for Generator Owner and Generator Operator ([Project 2024-01 – Rules of Procedure Definitions Alignment](#)) passed ballot on May 7, receiving a positive 86.48% result. As the Implementation Plan for this project passed ballot below 85%, receiving a 70.36% result, it will be posted for final ballot and is anticipated to be taken to the NERC Board of Trustees in August. Initial drafts of FERC Order No. 901 Milestone 3 projects

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Initiative Quick Reference Guide**



were also posted in Q2, and a workshop was held in June. The standard drafting teams are currently reviewing comments for draft revisions.

Stakeholder Outreach and E-ISAC Engagements

NERC and the Electricity Information Sharing and Analysis Center (E-ISAC) continue to actively support outreach and engagement efforts to the IBR community by participating in various targeted stakeholder engagements.

Last quarter, NERC presented on initiative to the NARUC Staff Subcommittee on Electric Reliability and Resilience

and at the Solarplaza Summit Asset Management conference. The E-ISAC attended the American Clean Power Association's (ACP) CLEANPOWER conference and connected with various IBR stakeholder groups, including asset owners, operators, and vendors. The E-ISAC met with ACP leadership to discuss coordinated outreach efforts for ACP members included in the IBR Registration Initiative. Finally, the annual NERC and E-ISAC Grid Security Conference, [GridSecCon](#), will feature multiple IBR security-related sessions, highlighting how industry can work together to protect the grid. GridSecCon will be held October 7–10 in Las Vegas.

Resources

NERC maintains numerous 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), project milestones, FAQs and guides for new entities, and quarterly updates. NERC recently released two easy-to-follow infographics—Joining the ERO Enterprise and Expanding Your Registration—intended to make the registration process clear and accessible. As needs are identified, additional fact sheets and educational materials will be produced 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.)

