



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.

2024 Second Quarter Update

Phase 1 and Phase 2 activities focused on outreach to registration candidates as well as the development of resources to support their entry into the ERO Enterprise.

Key Activities

Legal

On May 10, 2024, NERC filed a [work plan progress update](#) with FERC. On June 27, 2024, FERC issued an [order](#) approving revisions to the NERC Rules of Procedures to address owners and operators of bulk power system-connected IBRs that previously were not required to register with NERC under the Bulk Electric System definition, subject to submitting a compliance filing.

Registration

As part of NERC's plan to identify Category 2 Generator Owner and Generator Operator registration candidates, the ERO Enterprise IBR subgroup developed a Request for Information (RFI), incorporating input from a stakeholder focus group comprised of Compliance and Certification Committee members and other industry stakeholders. On July 9, NERC issued this RFI to all registered Balancing Authorities and Transmission Owners and requested that responses be submitted to the respective Regional Entities by September 20.

Standards

NERC updated its [Standards Under Development](#) page to more clearly identify projects associated with IBR Registration and FERC Order No. 901. In June, NERC initiated [Project 2024-01](#), which will adjust the NERC Glossary of Terms definitions for Generator Owner and Generator Operator to align with the approved changes to the NERC Rules of Procedure. At the June Standards Committee meeting, three new standard authorization requests were brought forward to address Milestone 3 of Order No. 901; each associated with revisions to model data sharing and model validation based on performance. NERC also plans to post standards related to Milestone 2 of Order No. 901 for a final industry comment and ballot opportunity prior to the August Board meeting. They are currently scheduled for posting July 22–August 12.

Stakeholder Outreach and E-ISAC Engagements

NERC completed a series of webinars for numerous state and provincial regulators, conducted jointly with



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the Regional Entities. Additional engagements included the NARUC Electricity Committee and international engagements with CAMPUT leadership and the New Brunswick Energy and Utilities Board. As part of the project team’s continued outreach and education efforts, the Electricity Information Sharing and Analysis Center (E-ISAC) coordinated multiple speaking engagements, including the American Clean Power Association’s Regulatory and Compliance working group, the SolarPlaza Summit, and the Solar Energy Industries Association’s Clean Energy Security and Reliability Forum.



Resources

NERC has several resources to ensure industry and stakeholders are kept informed throughout this critical, three-phase project, including the [IBR Registration Initiative Quick Reference Guide](#) (found under the Initiatives tab on NERC’s website), project milestones, updated FAQs and guides for new entities, and quarterly updates. 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.)

