



MIDWEST  
RELIABILITY  
ORGANIZATION

# Inverter Based Resource Registration Initiative

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# Organization Registration and Certification Program (ORCP)

- **Section 500 of the Rules of Procedure**
- **BPS Users, Owners, and Operators**
- **Reliability Coordinators, Balancing Authorities, and Transmission Operators**



# Organization Registration and Certification

- **246 Registered Entities**
- **45 Entities in the Certification Program**
  - RC, BA, TOP



# Organization Registration and Certification

	Entities that Must Register	Entities that Need to be Certified
Reliability Coordinator (RC)	√	√
Transmission Operator (TOP)	√	√
Balancing Authority (BA)	√	√
Planning Authority/Planning Coordinator (PA/PC)	√	
Transmission Planner (TP)	√	
Transmission Service Provider (TSP)	√	
Transmission Owner (TO)	√	
Resource Planner (RP)	√	
Distribution Provider (DP)	√	
Generator Owner (GO)	√	
Generator Operator (GOP)	√	
Reserve Sharing Group (RSG)	√	
Frequency Response Sharing Group (FRSG)	√	
Regulation Reserve Sharing Group	√	



# FERC Order on Registration of IBRs

- **Reliability Impacts**
- **Rapid Integration of IBRs**
- **Identify and Register Owners and Operators**



# NERC Work Plan

- 3 Year Project
- Quarterly Updates

## 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.)



# Project Status

- **Rules of Procedure Changes with NERC**
  - Approved on February 22<sup>nd</sup>
- **Filed Rules of Procedure Changes with FERC**
  - Filed on March 19<sup>th</sup>
  - Expedited Approval by June 19<sup>th</sup>



# IBR Registration Initiative Quick Reference Guide



## Quick Reference Guide: IBR Registration Initiative

April 2024

As part of 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. ERO Enterprise assessments identified a reliability gap associated with the increasing integration of IBRs as part of the grid in which a significant level of bulk power system-connected IBR owners and operators are not yet required to register with NERC or adhere to its Reliability Standards.

In response, FERC issued an [order](#) in 2022 directing NERC to identify and register owners and operators of currently unregistered bulk power system-connected IBRs. Working closely with industry and stakeholders, NERC is executing a FERC-approved work plan to achieve the identification and registration directive by 2026. Resources are also posted on the [Registration page](#) of the NERC website.

### Key Activity

- NERC submitted its [quarterly work plan update](#) to FERC on February 12.
- NERC's Board of Trustees approved proposed Rules of Procedure revisions on February 22.
- NERC filed its [proposed revisions](#) with FERC on March 19.
- **NEW** NERC published its [Q1 2024 Quarterly Update](#) on April 2.

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LEARN MORE ABOUT NERC AND THE E-ISAC



### Available Resources

- [Frequently Asked Questions – Rules of Procedure Approach to Registration of Unregistered IBRs](#)
- [IBR Webinar Series and FAQs](#)
- [Quick Reference Guide: Candidate for Registration](#)
- [Quick Reference Guide: Inverter-Based Resource Activities](#)
- [NERC Registration Page and Standards Page](#)
- [Learn about NERC and Join the E-ISAC](#)



CLARITY

ASSURANCE

RESULTS



# Summary

- **Identified Reliability Risk**
- **IBR Registration Initiative is a 3 year project**
  - [IBR Registration Initiative](#)
- **NERC is following the FERC approved work plan**





# Questions