

Quick Reference Guide: Candidate for Registration

September 2023

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Registration with NERC

[Organization Registration](#) identifies and registers bulk power system (BPS) owners, operators and users who are responsible for performing specified reliability functions to which requirements of mandatory NERC Reliability Standards are applicable. Requirements and activities for the Organization Registration Program are embodied in Section 500 (Organization Registration and Certification) and Appendices 5A and 5B of the FERC-approved [NERC Rules of Procedure](#) (ROP).

NERC is proposing a series of revisions to Appendix 5B (Compliance Registry Criteria) as well as conforming revisions to Appendices 2 (Definitions) and 5A (Organization Registration and Certification Manual) of the ROP. The proposed revisions were developed in response to a Federal Energy Regulatory Commission (FERC) directive to identify and register owners and

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[Summary of Proposed ROP Changes](#)

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[FERC Order on IBR Registration](#)

[IBR Registration and Reliability Standards](#)

[Enhancements Webinar Recording](#)

[FAQ: Proposed Revisions to NERC Rules of Procedure to Address Registration of Owners and Operators of Unregistered Inverter-based Resources](#)

operators of IBR that are connected to the BPS,¹ but are not currently required to register with NERC under the Bulk Electric System (BES) definition² (referred to hereafter and in NERC’s filings in Docket No. RD22-4 as “unregistered IBRs”) that have an aggregate, material impact on the reliable operation of the BPS.³

In summary, the proposed ROP revisions will require NERC registration of entities that own and/or operate non-BES inverter-based generating resources that have an aggregate nameplate capacity of greater than or equal to 20 MVA delivering such capacity to a common point of connection at a voltage greater than or equal to 60 kV.

Candidate Registration Milestones

NERC Regional Entities will begin accepting registrations following FERC approval of the two new GO-IBR and GOP-IBR functions defined in the ROP. This is anticipated as early as the first quarter of 2024, but no later than the end of the second quarter of 2024. Candidates who own and/or operate non-BES inverter-based generating resources that have an aggregate nameplate capacity of greater than or equal to 20 MVA delivering such capacity to a common point of connection at a voltage greater than or equal to 60 kV must register at the appropriate time.

Registration Milestones		
June 2023–June 2024	June 2024–June 2025	June 2025–June 2026
Complete ROP revisions and approvals	Complete identification of candidates and registration of GO/GOP-IBR candidates	Complete Reliability Standard revisions by adding GO/GOP-IBR function
Commence candidate outreach (e.g., through trade organizations)	Continue education about NERC processes and Organization Registration (e.g., email, mail, webinars, workshops)	Conduct specific GO/GOP-IBR education (e.g., webinars, workshops)

¹ The BPS is defined in the Federal Power Act (FPA) as facilities and control systems necessary for operating an interconnected electric energy transmission network (or any portion thereof), and electric energy from generating facilities needed to maintain transmission system reliability. The term does not include facilities used in the local distribution of electric energy.

² NERC’s FERC-approved BES definition is a subset of the BPS and defines the scope of the Reliability Standards and the entities subject to NERC compliance; NERC, Glossary of Terms Used in NERC Reliability Standards, pp. 5-7, March 29, 2022.

³ The IBR Order focuses on unregistered IBR that may have smaller individual capacities but which, when considered together or in the aggregate, have a material impact on the reliability of the BPS. Unregistered IBRs addressed in the proposed revisions may themselves have smaller individual capacities but would be subject to registration under the proposal if that capacity and other capacity at a common point of connection of a voltage greater than or equal to 60 kV, aggregates in total to 20 MVA and above.

IBR Resources

IBRs are playing an ever-more critical role during this period of unprecedented grid transformation. IBRs present unique opportunities moving forward and will shape a resilient and sustainable energy landscape of the future. Historically, unregistered IBR owners and operators were not required to register with NERC and therefore were not required to comply with NERC's mandatory Reliability Standards, prompting FERC to direct NERC to address the risk.

NERC is addressing the risk by requiring candidates who own and/or operate non-BES inverter-based generating resources that have an aggregate nameplate capacity of greater than or equal to 20 MVA delivering such capacity to a common point of connection at a voltage greater than or equal to 60 kV to register with NERC.

Quick Links

[*An Introduction to Inverter-Based Resources on the Bulk Power System*](#)
[*Inverter-Based Resource Strategy*](#)
[*Quick Reference Guide: Inverter-Based Resource Activities*](#)
[*Reliability Guidelines, Security Guidelines, Technical Reference Documents, and White Papers*](#)
[*System Planning Impacts from DER Working Group \(SPIDERWG\)*](#)

About NERC and the E-ISAC

[NERC](#) is a not-for-profit international regulatory authority whose mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid. NERC develops and enforces Reliability Standards; annually assesses seasonal and long-term reliability; monitors the bulk power system through system awareness; and educates, trains, and certifies industry personnel. NERC's area of responsibility spans the continental United States, Canada, and the northern portion of Baja California, Mexico. NERC is the Electric Reliability Organization (ERO) for North America, subject to oversight by FERC and governmental authorities in Canada. NERC's jurisdiction includes users, owners, and operators of the BPS, which serves nearly 400 million people.

The [E-ISAC](#) reduces risk to the electricity industry across North America by providing quality information and analysis on cyber and physical threats. E-ISAC membership allows access to a secure Portal which serves as the central information hub for accessing and sharing critical security information. Through the Portal, users can voluntarily post and exchange information about cyber and physical incidents with full control of how

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[*Understanding the Grid*](#)

they share it. E-ISAC members also have access to a 24/7 Watch, cyber and physical security products, reports, and white papers, and as well as webinars, industry engagement programs, grid security exercises, and conferences. Registered Entities are expected to join the E-ISAC as it is an extremely important tool for risk mitigation and ensuring the reliability, resilience, and security of the BPS. For more information about E-ISAC membership, please visit the E-ISAC website or contact the E-ISAC via [email](#).