



On June 27, 2024, the Commission approved the proposed Registry Criteria revisions.<sup>6</sup> On July 9, 2024, the ERO Enterprise issued a request for information to Balancing Authorities (“BAs”) and Transmission Owners (“TOs”) asking them to submit relevant information on those entities within their footprints that could meet the Category 2 GO and GOP Registry Criteria by September 20, 2024. Since the last Work Plan update,<sup>7</sup> the ERO Enterprise has received responses to its request for information to the BAs and TOs. The activities described below and in Attachment 1 to the instant filing demonstrate the ERO Enterprise’s progress towards its Work Plan milestones.

## **I. ERO ENTERPRISE IDENTIFICATION OF REGISTRATION CANDIDATES**

On July 9, 2024, the ERO Enterprise sent a request for information to the approximately 380 entities that are currently registered as BAs and/or TOs within the United States. The Regional Entities received responses from 365 of those registered entities (96%) by the date of this Work Plan update. The ERO Enterprise is in the process of validating the information received from the request for information and will report in more detail on how many potential facilities and potential entities fitting the Category 2 criteria have been identified in future quarterly Work Plan updates.

The ERO Enterprise also intends to use the information received from the first request for information as the basis for a second request for information in December 2024 to the newly identified Category 2 GO candidate entities. The ERO Enterprise will use responses to the second request for information to obtain more detailed facility data needed to confirm that the newly identified entities meet the Category 2 criteria and prepare to take appropriate steps to register those entities if they do meet the Category 2 criteria.

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<sup>6</sup> Order Approving Revisions to North American Electric Reliability Corporation Rules of Procedure and Requiring Compliance Filing, 187 FERC ¶ 61,196 (2024).

<sup>7</sup> *N. Am. Elec. Reliability Corp.*, Docket No. RD22-4-001 (August 9, 2024).

## **II. NEXT STEPS AND CONTINUED OUTREACH**

On November 13, 2024, from 3-5 pm Eastern time, the ERO Enterprise will host a webinar on the IBR Registration Initiative.<sup>8</sup> This informational webinar is designed for Category 2 GOs and GOPs, and will feature presentations from NERC, the Electricity Information Sharing Analysis Center (E-ISAC), and Regional Entity staff focused on various topics and activities underway, including (1) Milestones and Work Plan, (2) Registration Criteria Revisions: New Category 2 GO and GOP, (3) NERC Standards and Compliance Expectations, (4) ERO Identification/Registration Process for Category 2 GO and GOPs, and (5) Communications Resources. The webinar will include panelist presentations followed by a question-and-answer session.

As noted in previous Work Plan filing updates, NERC and the Regional Entities have developed a comprehensive communications plan to coordinate messaging to stakeholders regarding the Work Plan. To aid that effort, NERC has posted a quick reference guide, which includes key activities, IBR Registration milestones and links to various resources and projects regarding Reliability Standard revisions related to IBRs. To that end, NERC continues to update its publicly posted reference guide on the IBR Registration Initiative and provides links to various materials for candidates for registration, including the IBR webinar series and frequently asked questions, as well as the NERC Registration and NERC Standards pages.<sup>9</sup> NERC anticipates that this communications plan will aid new entrants with integrating into ERO Enterprise activities

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<sup>8</sup> Information on how to register for the November 13, 2024 webinar on the IBR Registration Initiative is available at <https://www.nerc.com/pa/comp/Lists/comp/DispForm.aspx?ID=294>.

<sup>9</sup> NERC, Quick Reference Guide: IBR Registration Initiative (May 2024), available at [https://www.nerc.com/pa/Documents/IBR\\_Quick%20Reference%20Guide.pdf](https://www.nerc.com/pa/Documents/IBR_Quick%20Reference%20Guide.pdf).

under section 215 of the Federal Power Act<sup>10</sup> and assist existing registered entities in understanding next steps.

### III. CONCLUSION

The ERO Enterprise looks forward to continuing to work with industry stakeholders and the Commission to: (i) implement the Commission-approved Registry Criteria that address owners and operators of IBRs that are not currently required to register, and (ii) integrate new registrants that meet the revised Registry Criteria. For the reasons set forth above, NERC respectfully requests that the Commission accept this Work Plan update.

Respectfully submitted,

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<sup>10</sup> 16 U.S.C. 824o.

**CERTIFICATE OF SERVICE**

I hereby certify that I have served a copy of the foregoing document upon all parties listed on the official service list compiled by the Secretary in the above-referenced proceeding.

Dated at Washington, D.C. this 7th day of November 2024.

*/s/ James McGrane*

James McGrane  
*Counsel for North American  
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Registration of Inverter Based Resources – Docket No. RD22-4-000  
NERC Work Plan Progress Update  
November 7, 2024

On November 17, 2022, in order to respond to concerns regarding the reliability impacts from inverter-based resources (“IBRs”)<sup>1</sup> on the Bulk Power System<sup>2</sup> (“BPS”), the Federal Energy Regulatory Commission (“FERC” or the “Commission”) directed the North American Electric Reliability Corporation (“NERC”) to submit a work plan to address registration of IBRs.<sup>3</sup> Regulatory consideration differs based on whether the IBRs meet NERC’s Bulk Electric System (“BES”) definition and are registered with NERC for compliance purposes (“registered IBRs”), whether the IBRs are connected directly to the BPS but are not registered with NERC (“unregistered IBRs”), or whether the IBRs are distributed energy resources (i.e. connected to the distribution system) (IBR-DER). The Commission directed NERC to file a Work Plan within 90 days detailing how the ERO Enterprise plans to identify and register owners and operators of unregistered IBRs.

The Commission stated that the work plan should include the following:

- Explanation of how NERC will modify its processes to address unregistered IBRs (whether by working with stakeholders to change the BES definition, a change to its registration program, or some other solution) within 12 months of approval of the work plan, and
- Implementation milestones ensuring that owners and operators meeting the new registration criteria are identified within 24 months of the approval date of the work plan, and
- Implementation milestones ensuring that owners and operators meeting the new registration criteria are registered and thereby required to comply with applicable Reliability Standards within 36 months of the approval date of the work plan.

On May 18, 2023, the Commission accepted NERC’s Work Plan and directed NERC to provide updates every 90 days detailing progress to date. Consistent with that directive, this Work Plan update provides progress on the activities identified in NERC’s Work Plan. Specifically, NERC and the Regional Entities have advanced efforts to identify unregistered IBRs since the Commission approved the ROP revisions in June 2024. As the Commission has now approved the ROP revisions, this work plan update removes certain background information on the ROP revisions included in prior updates and focuses on the status of the milestones identified in NERC’s Work Plan.

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<sup>1</sup> The Order states *“This order uses the term IBRs to include all generating facilities that connect to the electric power system using power electronic devices that change direct current (DC) power produced by a resource to alternating current (AC) power compatible with distribution and transmission systems. This order does not address IBRs connected to the distribution system.”*

<sup>2</sup> The Bulk Power System (BPS) is defined in the Glossary of Terms Used in NERC Reliability Standards as: (A) facilities and control systems necessary for operating an interconnected electric energy transmission network (or any portion thereof); and (B) electric energy from generation facilities needed to maintain transmission system reliability. The term does not include facilities used in the local distribution of electric energy. (Note that the terms “Bulk-Power System” or “Bulk Power System” shall have the same meaning.)

<sup>3</sup> *Registration of Inverter-Based Resources*, 181 FERC ¶ 61,124 (2022) [hereinafter *IBR Order*].

## Milestones to Implement Work Plan<sup>4</sup>

In addition to the milestones below, the ERO Enterprise will also continue to consider whether revisions to the BES Definition might also support continued reliability of the BPS as the grid transforms. NERC will update the milestones as appropriate in future update filings.

**The Commission approved the work plan on May 18, 2023. Within 12 months of this date, NERC will do the following to revise its Registration Program:<sup>5</sup>**

TIMEFRAME	ACTIVITIES	STATUS
<b>Month 1 (June 2023)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to complete review and draft proposed revisions of Section 500 and Appendices 5A and 5B of the ROP.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Completed draft ROP revisions</li> <li>✓ Stakeholder meeting with industry volunteers June 2, 2023.</li> </ul>
<b>Month 2 (July 2023)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to coordinate with the Organization Registration and Certification Subcommittee (ORCS) of the Compliance and Certification Committee (CCC) on proposed revisions.<sup>6</sup></li> <li>• ERO Enterprise to present proposed revisions to the CCC.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Presented proposed revisions to CCC/ORCS July 19, 2023</li> <li>✓ Received comments from ORCS on proposed ROP revisions.</li> </ul>
<b>Month 3 (August 2023)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to present proposed revisions to other key stakeholder organizations in North America.</li> <li>• NERC to present proposed revisions to the MRC.</li> <li>• NERC to file work plan update with FERC.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Presented proposed revisions to SEIA leadership on August 3, 2023.</li> <li>✓ File Work Plan Update August 16, 2023.</li> <li>✓ Present/Discuss ROP revisions at the Board meeting.</li> </ul>
<b>Month 4-5 (September – October 2023)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to complete revisions to initial draft ROP proposal to address informal stakeholder feedback.</li> <li>• NERC to post ROP revisions for public comment period on NERC website for 45 days.</li> </ul>	<ul style="list-style-type: none"> <li>✓ NERC completed and posted the proposed ROP revisions for comment on September 13, 2023.</li> <li>✓ NERC received comments on the posted ROP revisions from September 13 through October 30, 2023.</li> </ul>

<sup>4</sup> Please also refer to NERC’s filings in Docket No. RM22-12-000 for more information regarding matters pertaining to IBR affiliated Reliability Standards.

<sup>5</sup> ✓ Indicates the activity status is complete.

<sup>6</sup> The CCC and ORCS work plans for 2023 contemplate providing comments on proposed revisions to the ROP related to IBRs and the Registration Program.

TIMEFRAME	ACTIVITIES	STATUS
<b>Month 6 (November 2023)</b>	<ul style="list-style-type: none"> <li>• NERC to file work plan update with FERC.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Filed Work Plan Update November 14, 2023.</li> </ul>
<b>Month 7 (December 2023)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to incorporate any further revisions to the ROP to the extent determined appropriate to address comments.</li> <li>• ERO Enterprise to prepare matrix summarizing proposal, comments, and responses thereto.</li> <li>• ERO Enterprise to present initial consideration of applicable Reliability Standards at the Reliability and Security Technical Committee December Meeting.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Posted final draft January 22, 2024</li> <li>✓ Posted matrix summarizing proposal, comments, and responses thereto January 22, 2024.</li> <li>✓ Presented December 7, 2023.</li> </ul>
<b>Month 8-10 (January – March 2024)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to request NERC Board approval of the ROP revisions.</li> <li>• NERC to file the proposed ROP revisions with FERC, subject to Board approval, and <ul style="list-style-type: none"> <li>○ Request expedited notice, comment, and review over a 3-month period.</li> </ul> </li> <li>• NERC to file work plan update with FERC.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Discussed at Board meeting February 15-16, 2024.</li> <li>✓ NERC Board approved proposed ROP revisions February 22, 2024. NERC filed proposed Registry Criteria ROP revisions with FERC March 19, 2024</li> <li>✓ Filed Work Plan Update February 12, 2024.</li> </ul>
<b>Month 11-12 (April – May 2024)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to continue considering applicable Reliability Standards including a possible subset list of Standards, as appropriate with stakeholder feedback.<sup>7</sup></li> </ul>	<ul style="list-style-type: none"> <li>• In progress.</li> </ul>

**Within 24 months of Commission approval of the work plan NERC will do the following to identify candidates for registration that meet the updated Registry Criteria:**

TIMEFRAME	ACTIVITIES	STATUS
<b>Month 12-13 (May – June 2024)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to cross reference Energy Information Administration (EIA) Form 860 Database with the NERC Compliance Registry (NCR) to identify unregistered owners of</li> </ul>	<ul style="list-style-type: none"> <li>• In progress.</li> </ul>

<sup>7</sup> This work will coordinate with broader Reliability Standards revisions.



TIMEFRAME	ACTIVITIES	STATUS
	<p>IBRs as potential candidates under revised Registry Criteria.</p> <ul style="list-style-type: none"> <li>• NERC to initiate information technology (IT) updates to extent necessary.</li> <li>• ERO Enterprise to issue requests for information to Reliability Coordinators, Planning Coordinators, Transmission Owners, Transmission Planners, and Distribution Providers regarding potential Category 2 GOs/GOPs in their footprints.</li> <li>• ERO Enterprise to issue bulletins and other communication materials to support registration.</li> <li>• NERC to file work plan update with FERC.</li> </ul>	<ul style="list-style-type: none"> <li>• In progress.</li> <li>✓ On July 8, 2024, the ERO Enterprise issued a request for information to BAs and TOs. Responses were due by September 20, 2024.</li> <li>✓ Posted a quick reference guide on the IBR Registration Initiative that includes quarterly updates on activities associated with the IBR Registration Initiative.<sup>8</sup></li> <li>✓ Filed Work Plan Update May 10, 2024.</li> </ul>
<p><b>Month 13-14 (June – July 2024)</b></p>	<ul style="list-style-type: none"> <li>• ERO Enterprise to compare identified unregistered owners of IBRs to the revised Registry Criteria to identify candidates.</li> <li>• ERO Enterprise to develop approach for implementation of revised Registry Criteria and applicable Reliability Standards, including a possible subset list of Standards, as appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• In progress. The ERO Enterprise is in the process of validating the information received from the responses to the July 8, 2024 request for information.</li> <li>• NERC Registration, Standards, and Compliance staff have been coordinating on standards that will be applicable to Category 2 GO/GOPs.</li> </ul>

<sup>8</sup> The quick reference guide, updated quarterly, is available on NERC’s website at [https://www.nerc.com/pa/Documents/IBR\\_Quick%20Reference%20Guide.pdf](https://www.nerc.com/pa/Documents/IBR_Quick%20Reference%20Guide.pdf).

TIMEFRAME	ACTIVITIES	STATUS
<b>Month 14-20 (July 2024 – January 2025)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to hold workshops across Regional Entities and at NERC regarding registration and implementation.</li> <li>• NERC to file work plan update(s) with FERC.</li> <li>• ERO Enterprise to issue notice of webinar on Registration.</li>   <li>• ERO Enterprise to send communication to candidates for Registration.</li> </ul>	<ul style="list-style-type: none"> <li>• No status update at this time.</li> <li>✓ Filed Work Plan Update August 9, 2024.</li> <li>✓ On October 14, 2024, the ERO Enterprise issued a notice that it would host a webinar on the IBR Registration Initiative on November 13, 2024</li> <li>✓ In progress. The ERO Enterprise anticipates sending a request for information in early December 2024 to newly identified entities that may be candidates for registration as Category 2 GO/GOPs.</li> </ul>
<b>Month 20-22 (January – March 2025)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to examine any updates to EIA Form 860 Database.</li> <li>• NERC to file work plan update with FERC.</li> </ul>	<ul style="list-style-type: none"> <li>• No status update at this time.</li> </ul>
<b>Month 23-24 (April – May 2025)</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to send communication to any newly identified candidates for registration, as needed.</li> <li>• NERC to continue IT transitions as necessary.</li> </ul>	<ul style="list-style-type: none"> <li>• No status update at this time.</li> </ul>

**Within 36 months of Commission approval of the work plan, NERC will do the following to register new candidates:**

TIMEFRAME	ACTIVITIES
<b>Month 25-26</b>	<ul style="list-style-type: none"> <li>• ERO Enterprise to hold training for newly registering entities on the Centralized Organization Registration ERO System (CORES).<sup>9</sup></li> <li>• ERO Enterprise to provide ERO Enterprise 101 Informational Package, ERO</li> </ul>

<sup>9</sup> The ERO Enterprise anticipates the need to update its IT, external facing communications, and systems to accommodate the registration of the new entities. This may impact the milestones reported on during 90-day progress reports.

TIMEFRAME	ACTIVITIES
	Enterprise Entity Onboarding Checklist, and guidance. <sup>10</sup> <ul style="list-style-type: none"> <li>• NERC to file work plan update with FERC.</li> </ul>
<b>Month 26-27</b>	<ul style="list-style-type: none"> <li>• NERC to complete IT transition for expansion of registration for new entities.</li> </ul>
<b>Month 27-36</b>	<ul style="list-style-type: none"> <li>• NERC to file work plan update(s) with FERC.</li> <li>• ERO Enterprise to issue notification letters to newly registered entities that will provide notice of registration and responsibility for compliance with applicable NERC Reliability Standards.</li> </ul>

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<sup>10</sup> The ERO Enterprise has already been providing such materials to stakeholder groups and is examining further opportunities for dissemination and update to facilitate a smooth transition now that Registry Criteria revisions are approved.