



**TEXAS RE**



# December 2025 NERC Update

**ERCOT IBRWG Meeting**

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December 19, 2025**

# NERC Standards Development Update for FERC Order 901

## Milestone 2

[Project 2025-05](#) Ride-through Revisions Standard Authorization Request (SAR) is open through 8 p.m. Eastern, Thursday, December 18, 2025

## Milestone 3

All sent to FERC on Nov. 4, meeting schedule

[Project 2020-06](#) – Verification of Models and Data for Generators

- MOD-026 Verification of Dynamic Models & Data.

[Project 2021-01](#) – System Model Validation with IBRs

- MOD-033-3 Steady-State and Dynamic System Model

Validation

[Project 2022-02](#) – Uniform Modeling Framework for IBR

- MOD-032-2 – Data for Power System Modeling and Analysis
- IRO-010-6 – Reliability Coordinator Data & Information Specification & Collection
- TOP-003-8 – Transmission Operator and Balancing Authority Data & Information Specification & Collection Implementation



## Milestone 4

Drafting teams seated, first meetings continuing throughout December

[Project 2025-03](#) Order 901 Operational Studies

Standards: FAC-011, IRO-002, IRO-017, PRC-012, TOP-001, and TOP-002

[Project 2025-04](#) Order 901 Planning Studies

Standards: TPL-001-5.1, MOD-026, MOD-032, MOD-033, PRC-024, PRC-028, and PRC-029

# November 5 Web Conference on FERC Order 909

FERC's Order directs NERC, within 12 months, to determine through its Standards process how to account for:

- Equipment limitations of high-voltage direct current (HVDC)-connected IBRs with choppers (which may physically prevent them from fully complying with ride-through provisions of the standard) if they exist
- Long lead times, should there be any, between adopting IBR design specifications and placing them in service

## Topics

- Review of PRC-029-1
- Clarification on Documentation Obligations Relative to Legacy IBRs
- Equipment Limitations of HVDC-Connected IBRs with Choppers Equipment
- Limitations of Long-Lead Time Projects

## Recording and Presentations Available



## Other NERC Standards Activity Related to IBRs

Standard Project [2022-04 EMT Modeling](#): Initial ballot, October 1 – November 21 (extended) for FAC-002-5, Facility Interconnection Studies and Implementation Plan. Did not pass first ballot.

- [ESIG EMTP training](#) held at Texas RE December 16-18

Standard Project [2023-01 EOP-004 IBR Event Reporting](#): Posted for comments and initial ballot, November 24, 2025 – January 14, 2026

- [Slide Presentation](#) and [Recording](#) available from December 3 webinar



Texas RE is processing Category 2 Generator Owner (GO) and Generator Operator (GOP) registrations for IBR entities connected to transmission  $> 60\text{kV}$  and capacity  $> 20 \text{ MVA}$ , but not currently registered. Effective date May 15, 2026. Texas RE has registered nine entities so far, expecting 30 total.



# NERC IRPS October 16<sup>th</sup> and November 20<sup>th</sup> Meeting Topics

- **Technical Presentations:**
  - Large Scale EMT Studies for IBRs – IESO Journey – Mohamed ElNozahy
  - [Inverter-Based Resource Disturbances in the Western Interconnection](#) – Curtis Holland
  - Iberian Peninsula Blackout vs. North American BPS Reliability Safeguards – Aung Thant
- **Updates**
  - Work Item #8 – Reliability Guideline: Recommended Approach to Interconnection Studies for BPS-Connected Inverter-Based Resources
  - Work Item #24 – Reliability Guideline: IBR Commissioning Best Practices (public comments in review)
  - Work Item #27 – White Paper: Equipment Model Validation
  - EMTWG –White Papers in Progress:
    - EMT Methodologies to Evaluate IBR Ride-through Performance
    - [White Paper: Model Portability for EMT Studies of IBR](#)
  - NERC Order No. 901 Work Plan Activities



# Standards Process Task Force



- Written comment period for MSPPTF's draft recommendations closed November 10. Stakeholder feedback from comment period is available: [Stakeholder Feedback on Draft Recommendations](#)
- Brett Kruse (Calpine) summarized MSPP work at Texas RE's [Fall Standards, Security and Reliability Workshop](#)
- MSPPTF scheduled stakeholder input forums November 13 and November 19. Input received from both the comment process used as input for changes and presented at a webinar on December 18
- Final recommendations will post for comments January 26–February 5





Questions?  
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