



TEXAS RE

July 2025 Update on NERC IBR-Related Activities

**ERCOT IBRWG Meeting
Mark Henry
July 18, 2025**



NERC Standards Development Update

ORDER 901:

Milestone 2 – FERC received 23 industry comments on PRC-029, the IBR Performance standard see [Docket RM25-3-000](#). No decision announced. (Other PRC standards – PRC-028 (Data Collection) and PRC-030 (Corrective Action Plans) approved by FERC earlier in 2025 with Implementation Plans dependent on PRC-029 approval.)

Milestone 3 – Standard drafting teams posted the first drafts back in April, all were well short of passing initial ballots but received useful comments. Second posting expected late July – August. Definitions of “validation” and “verification” in Project 2020-06 passed final ballot in July, but not the Standard requirements.

- [Project 2020-06](#) - Model Validation and Model Verification Definitions.
- [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 and information Specification and Collection
 - TOP-003-8 – Trans. Oper and Bal. Auth. Data & Information Specification & Collection Implementation

Milestone 4 – Standard Authorization Requests were reviewed by NERC’s Reliability and Security Technical Committee (RSTC) and will go to the Standards Committee in the Fall for public comment. One is for Planning Studies and the other, Operational Studies.

Other Medium Priority Projects Involving IBRs:

Project 2022-04 EMT Modeling: Posting for initial ballot and comments tentatively July 28-Sept 11.

- FAC-001-4 Interconnection Requirements
- FAC-002-4 Interconnection Coordination

Project 2023-01 –drafting team met twice in July and has six more meetings scheduled before the end of August

- EOP-004 IBR Event Reporting



STANDARDS MILESTONES: ORDER 901



Other NERC Activity

NERC issued Essential Actions to Industry: [Inverter-Based Resource Performance and Modeling](#) on May 20. Question responses are due midnight, August 18, 2025, covering these essential actions:

1. Each TO and TP, in coordination with their PC, should *enhance existing criteria and policies in their generator interconnection and planning activities*, respectively, with additional technical details and IBR specific performance criteria.
2. Each TP and PC should enhance their modeling and study practices to ensure *sufficient study work and model quality verification* are performed and documented to reflect models that are representative of equipment .
3. TOs, TPs, or PCs, where applicable, should perform a *detailed review of currently operating IBRs* on their system to understand the extent of condition of both real-world performance and accuracy of their models.
4. Each GO should create and implement processes to help ensure models used for the evaluation of their design and submitted to TPs and PCs for use in generator interconnection and planning processes are—to the extent possible based on the available information—*accurate and high fidelity representations*.

Category 2 registration of IBR's connected at >60kV transmission and nameplate >20 MVA, delayed, likely starts in August in batches of five entities.

- Reliability Standards will be applicable to IBR meeting the new registration criteria after May 2026, details TBD.
- [NERC's April note on GO compliance dates](#) lists 44 Standards needing revision, only 6 of which are approved or in development with Milestone 2 and 3 projects. It also lists 8 that should not need update.

RSTC reviewed and approved two EMT whitepapers in June, public posting expected in the near future

- Case Study on Adoption of EMT Modeling and Studies in Interconnection and Planning Studies for BPS-connected IBR (a Survey)
- EMT Analysis in Operations

NERC IRPS met July 17 ... next meeting August 21



Questions?
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