



TEXAS RE

NERC Update to IBRWG

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December 13, 2024

Federal Energy Regulatory Commission (FERC) Order No. 901 Milestone 2

Project	Standard(s)	Recent Action
2020-06	IBR Definition	11/4/2024 NERC submitted Petition for Approval with FERC
2020-02 Modifications to PRC-024 (Generator Ride-Through for synchronous generators and Type 1 and 2 wind)	PRC-024-4	11/4/2024 NERC submitted Petition for Approval with FERC
2020-02 Modifications to PRC-024 (Generator Ride-Through for IBRs)	PRC-029-1	11/4/2024 NERC submitted Petition for Approval with FERC
2021-04 Modifications to PRC-002	PRC-002-5 PRC-028-1	11/4/2024 NERC submitted Petition for Approval with FERC
2023-02 Analysis and Mitigation of BES IBR Performance Issues	PRC-030-1	11/4/2024 NERC submitted Petition for Approval with FERC



FERC Order No. 901 Milestone 3

Technical Conference planned for January 15-16 in Phoenix

<u>SAR Title</u>	<u>Date Submitted</u>	<u>NERC Project</u>	<u>Dates/Actions</u>
FERC Order No. 901 Milestone 3, Part 3: System Model Validation with IBRs (PRC-019 and MOD-025)	4/29/2024	2021-01	5/23/2024 - 6/28/2024 SAR Comment Period. Drafting Team nominations open through Dec 20, 2024
FERC Order No. 901 – Milestone 3, Part 2: IBR Model Validation (MOD-026 and MOD-027)	4/29/2024	2020-06	5/23/2024 - 6/28/2024 SAR Comment Period
FERC Order No. 901 – Milestone 3, Part 1: Modeling and Data Sharing Requirement (TPL-001 and MOD-032)	4/29/2024	2022-02	5/17/2024 - 6/24/2024 SAR Comment Period

Discussions underway regarding priority of Project 2022-04 EMT Modeling (FAC-002, MOD-032, TPL-001)



Texas RE Regional Standards Project SAR-013

**Submittal June 28,
2024 – SAR to Revise
BAL-001-TRE-2**

**MRC Approved the
project during
September 18, 2024**

**MRC to consider SDT
nominations
December 11, 2024**



Texas RE Regional Standards Project SAR-013

Revisions to Regional Standard BAL-001-TRE-2

- provide for widening generator Governor deadband
- clarify roles of Generator Owner (GO), Balancing Authority (BA) and Compliance Enforcement Authority (CEA) pertaining to compliance time periods
- Define PFR performance requirements for Battery Energy Storage Systems (BESS)

Note that this Standard Authorization Request (SAR) will not be expanded to address concerns with impact of curtailment on wind generation discussed in the last two IBRWG meetings. A separate SAR can be drafted if necessary



Category 2 IBR Registration – 20-75 MW

Status - identifying facilities and owners for registration between May 2025-26

Initial set of existing Standards for Category 2 GOs and GOPs. Additional applicable Standards (new and revised) are anticipated and will be communicated as it becomes available

BAL-001-TRE-2

IRO-010-5*

PRC-017-1

TOP-003-6.1*

MOD-032-1*

PRC-012-2

VAR-001-5

VAR-002-4.1*

*Indicates standards that are already part of active projects. Entities should be aware of current and pending versions of these standards



Other NERC Activities

NERC Level 2 IBR Modelling Alert Response

- Extended original reporting deadlines from Sept 2 – Nov 1
- 600+ IBR entities, 190+ transmission planning entities
- NERC to file report with FERC in December
- Preliminary observations indicate widespread modelling concerns such as lack of verification, tools and metrics for accuracy

GADS reporting for Q1-Q3 due on Dec 19th

- Applies to conventional, wind
- Also applies to solar (100 MW and up) connected at 100kV and up
- In 2025, applies to solar 20 MW and up



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Questions?



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Ensuring electric reliability for Texans