



TEXAS RE

September 2026 NERC Update

NSRF Meeting

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September 17, 2026**



NERC Standards Development Update for FERC Order 901

Milestone 2 – Wrapping up revisions, preparing for compliance and FERC-requested monitoring

- PRC-028-1, PRC-029-1, and PRC-030-1

Project 2025-05 – Ride-through Revisions PRC-029-2

- Version & Implementation Plan passed final ballot on August 7 and filed with FERC
- Revised (Ver 2) Compliance Monitoring and Enforcement Program (CMEP) Practice Guide: PRC-029-1 Enforcement Discretion posted on September 10
- *Implementation of Frequency and Voltage Ride-through Requirements for IBRs* still in draft



Milestone 3 – Approved by FERC in February 2026

Project 2020-06 – Verification of Models and Data for Generators

- RSAW posted for MOD-026-2

Project 2021-01 – System Model Validation with IBRs

- RSAW posted for MOD-033-3

Project 2022-02 – Uniform Modeling Framework for IBR

- RSAWS still in draft: MOD-032-2, TOP-003-8, IRO-010-6

Milestone 4 – Wrapping up

Project 2025-03 – Order 901 Operational Studies

- Standards: TOP-003-9, FAC-011-5
- Version and Implementation Plan passed ballot on August 7; no final ballot needed, sent to NERC Board for approval

Project 2025-04 – Order 901 Planning Studies

- Standards: TPL-001-6
- Final ballot passed, July 23 – headed to NERC Board

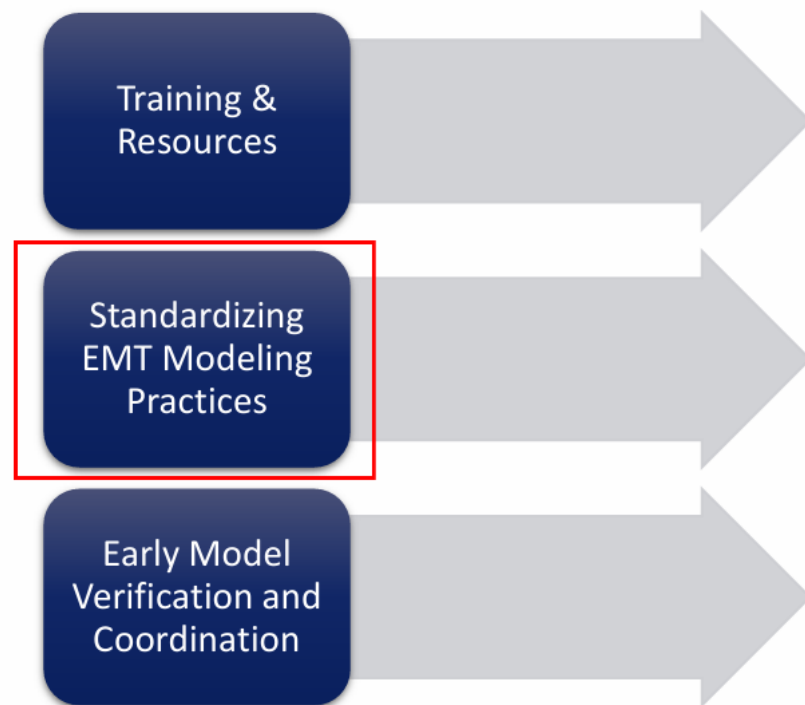


Electro-Magnetic Transient (EMT) Modeling Challenges

- Increasing requirements for EMT models (including the upcoming MOD-026-2)
- No widely adopted guidance for establishing a uniform user interface (UI) for EMT-based IBR plant models
- EMT models vary significantly across OEM in user interface
 - Difficult to interpret model parameters and signals
 - Complicates model validation, parameter verification, and model integration for different studies
- Need for efficient testing of EMT models of IBRs

EMT Working Group four-pillar mission:

Best Practices Guidance	Recommended Practices	Resources	Outreach and Education
• White Papers • Technical Reference Documents	• Reliability Guidelines	• Suggested Reading List • Technical Presentations	• Workshops • Webinars



Findings from EMT Adoption Survey,
EMTWG Work Item #4

Work Item #3 In Progress

- EMT Modeling Resources Repository

Work Item #6 In Progress

- IBR Plant Model Benchmarking – PSPD vs. EMT

Work Item #8 In Progress

- EMT Model Portability and Interoperability

Work Item #9 In Progress

- Uniform Interface and Internal Structure for IBR Plant Models

Work Item #10 In Progress

- EMT Methods for Disturbance Ride Through Performance Evaluation

Work Item #12 In Progress

- EMT Modeling Considerations for Large Loads
- Collaboration with LLWG

IBR Security Guideline Approved

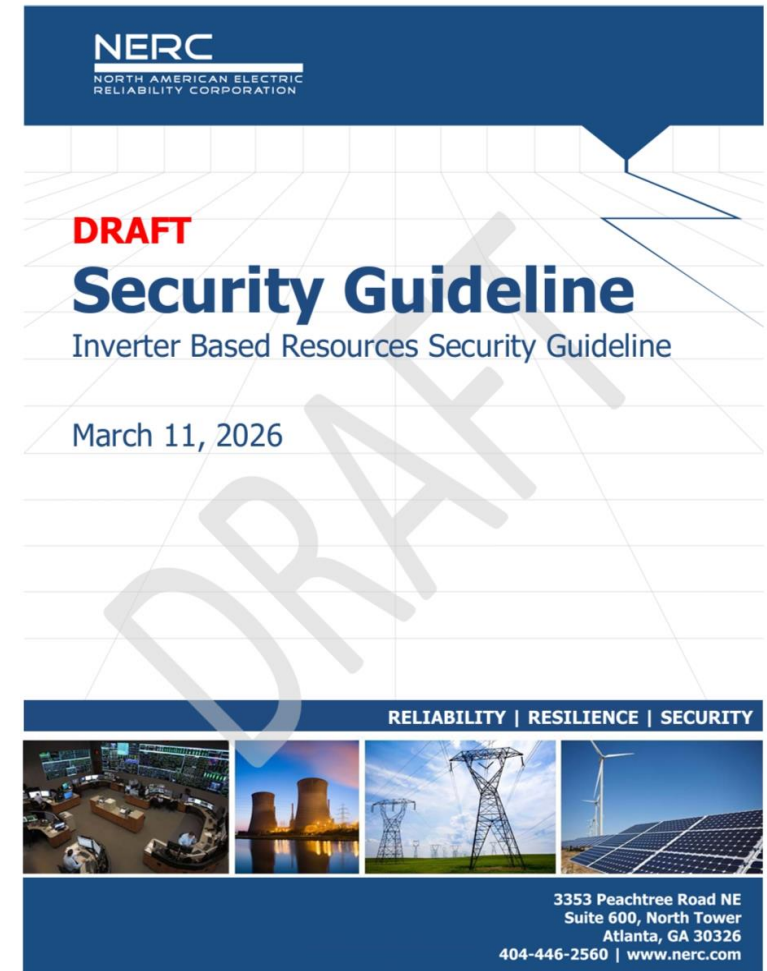
NERC's stakeholder Security Integration and Technology Enablement Subcommittee (SITES) developed this advisory security guideline to provide practical, risk-informed cybersecurity recommendations tailored to the operational realities of utility-scale IBR environments.

Drivers

- Utility-scale IBRs increasingly crucial to the Bulk Power System with cyber characteristics that differ from traditional “big iron” assets
- Aggregate risk potential from prevalent remote access usage and shared architectures
- Security happens late in IBR lifecycle due to turn-key implementations dominating
- Most IBR facilities fall outside current NERC Critical Infrastructure Protection applicability; practical guidance fills a gap

Guideline Coverage

- Governance, asset management, and configuration control
- Supply chain and third-party dependency management
- Identity and access management
- Remote access and network connectivity governance
- Network architecture and segmentation practices
- Secure communications and telemetry protection
- Incident response and recovery preparedness





NERC Large Loads Action Plan: 2026-2027 Status Update

Public

Q3 2026

- Host a webinar on the Level 3 Alert (July 8)
- Publish the Data Center Load Modeling Technical Reference (July, *subject to RSTC approval*)
- Responses due: Level 3 Alert (August 3)
- Post ROP registry criteria for comments (August)
- Post glossary and standard(s) for comments (August)
- Organize a Data Center Load Modeling Workshop (September 15-16)

Q4 2026

- Post registry criteria, glossary and standard(s) for additional comment period, (October 21, *if needed*)
- Request Board approval of registry criteria, glossary, and standard(s) (December 5)
- File registry criteria, glossary, and standard(s) (December 31, *subject to Board approval*)

Q1-4 2027

- Draft and file additional applicable Reliability Standards, *as needed*

- NERC filed a report to FERC on the Level 3 [Essential Action Alert](#) for Large Computational Loads (LCLs); a public report will follow in late fall
- [Data Center Load Modeling Technical Reference](#) virtual [workshop](#) held September 15-16, 2026
- [Proposed new CLO-001/002/003 Standards](#) (Project 2026-02) & revised [registry criteria](#) (>50 MW computational loads, connected to >100kV transmission) posted for comments/initial ballot on August 19 – September 18



Relating NERC Standards to Large Load Risks White Paper

Public

Project 2026-02



Primarily focuses on the highest priority risks

Active LLWG SARs/SIRs

- Disturbance Performance
- Model Validation/Assessment
- Planning and Operations Studies



Risk Categories Analyzed

Large Load Observability and Data Risks

Long-Term Planning

Operations and Balancing

Stability

Power Quality

Physical and Cyber Security Risks

Load Shedding Programs and System Restoration

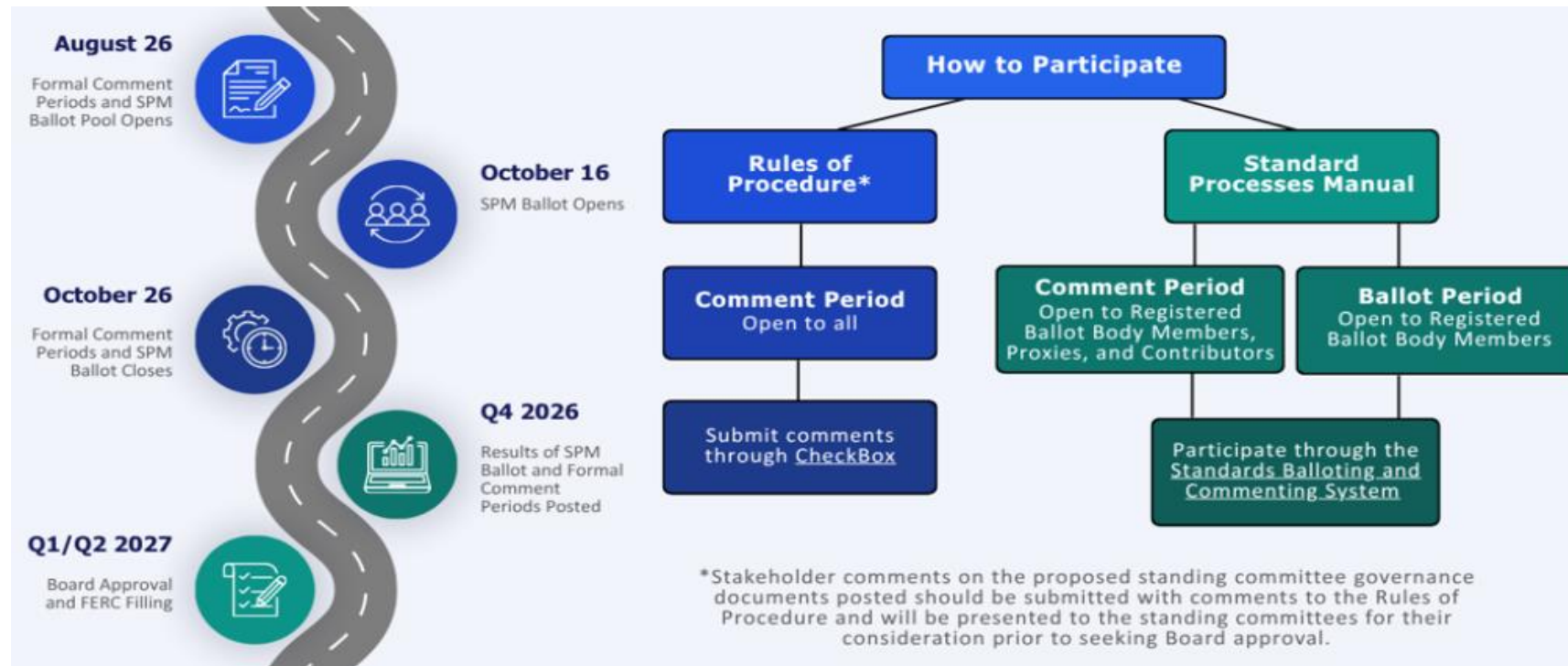


NERC Standards Development Beyond Project 2026-02



Modernization of Standards Processes and Procedures (MSPP)

- The formal comment period for [proposed revisions to the ROP](#) and [Standard Processes Manual \(SPM\) Appendix 3A Revisions](#), developed as part of the MSPP initiative, is open through October 26. Ballot pool for SPM is forming until October 9; voting from October 16-26.
- [Webinar on Modernization of Standards Processes and Procedures \(MSPP\) Comment Period Information Session](#) was held September 14, recording available soon.
- RSTC and RISC are internally reviewing their charters. Check MSPP initiative page for [additional materials](#) and more information on the supporting charter documents and updates.



Questions?