

JUNE 30, 2026

RSSC

Reliability Standards and Criteria Development Update

NERC/NPCC

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Project 2026-02 Computational Loads

Standard(s) Affected: New standard TBD

Applicability: TBD

Status: The Standards Committee authorized standard drafting on May 20, 2026

Purpose: This project addresses the risks posed to the Bulk Power System (BPS) from emerging large loads, such as data centers and cryptocurrency mining, that are connecting to the grid at an unprecedented scale and speed. Its objective is twofold: to develop changes to the NERC Glossary to include large load entities, consistent with proposed updates to registration criteria in the NERC Rules of Procedure, and to establish a Reliability Standard that addresses reliability issues associated with integrating these large loads onto the BPS.

Large Loads Action Plan (2026–2027)

The ROP-related work introducing computational load entities was initiated when NERC Posted draft registry criteria and related materials on April 1, 2026

Q3 2026: Host webinar on Level 3 Alert, Publish Data Center Load Modeling Technical Reference, Complete Level 3 Alert responses, Post ROP registry criteria and glossary for comments, Conduct data center load modeling workshop

Q4 2026: Post registry criteria, glossary, and standards for comment, Board approval of registry criteria, glossary, and standards, File registry criteria, glossary, and standards (subject to approval)

Q1–Q4 2027: Draft and file additional Reliability Standards, as needed

Project 2023-01 EOP-004 IBR Event Reporting

Standard(s) Affected: EOP-004-4

Applicability: RCs, BAs, TOs, TOPs, GOs, PCs, TPs

Purpose: To ensure Planners have the necessary models and tools to assess reliability under increasing inverter-based resource levels, including collecting EMT models and performing EMT studies where needed.

Status: Final documents for EOP-004-5 were posted on March 27, 2026 without an associated final ballot. A final ballot was not associated with this posting because the previous ballot achieved at least 85% weighted segment approval. Per Section 4.13 of the SPM, a final ballot was not required.

Project 2025-03 – Order No. 901 Operational Studies

Standard(s) Affected: TOP-003-8,, IRO-010-6, Definitions

Applicability: PCs, TPs, BAs, RCs

Status: Initial Ballots and Non-binding Poll conducted 04/24/2026 - 05/04/2026

Purpose: This project will address FERC Order No. 901 directives related to the inclusion of IBR performance and behavior in operational assessments and real-time monitoring of individual IBR plants (i.e., individual IBR) as well as IBR plants in the aggregate across an operator's footprint (i.e., IBR in the aggregate). Further, the drafting team will address the similar FERC Order No. 901 directives to include aggregate DERs in operational assessments and real-time monitoring.

Next Steps: Expected filing to FERC by Nov 4, 2026

Project 2025-04 – Order No. 901 Planning Studies

Standard(s) Affected: TPL-001-5.1

Applicability: PCs, TPs, BAs, RCs

Status: Initial Ballot and Comment period 03/19/2026 - 05/04/2026

Purpose: To address FERC Order No. 901 – Milestone 4 directives related to planning studies, ensuring IBRs (and DERs) are properly modeled in bulk system planning both individually and in aggregate; includes adjacent area model integration.

Next Steps: Expected filing to FERC by Nov 4, 2026

Project 2025-05 – Ride-Through Revisions

Standard(s) Affected: PRC-029-1

Applicability: PCs, TPs, BAs, RCs

Status: Additional Ballots and Comment Period 06/23/2026 - 07/13/2026

Purpose: To address FERC Order No. 901 – Milestone 4 directives related to planning studies, ensuring IBRs (and DERs) are properly modeled in bulk system planning both individually and in aggregate; includes adjacent area model integration.

Next Steps: Expected filing to FERC by Nov 4, 2026

Project 2024-02: Planning Energy Assurance: No material progress since last RSSC briefing

Project 2022-01: EMT Modeling: No material progress since last RSSC briefing

Revisions to EOP-012-3 – Extreme Cold Weather Preparedness and Operations

Standard(s) Affected: EOP-012-3 – Extreme Cold Weather Preparedness and Operations

Applicability: GOs, GOPs

Status: The Standards Committee accepted the SAR on 02/18/2026

Purpose: The purpose of this project is to seek Canadian-specific revisions to the proposed EOP-012-3 Reliability Standard that would be designed to reflect the geographical differences that are present in Canada where peak demand typically occurs during winter months and where generating units are economically constrained to be suitable for winter operation and address differences in regulatory frameworks that make several of the FERC-directed changes in EOP-012 for the U.S. impractical to implement in the Canadian jurisdictions.

NPCC Standards and Directories Overview

- **NPCC Posted updated Directory #1** - Design and Operation of the Bulk Power System (Appendix D, Guidelines for Area Review of Resource Adequacy) for comment until through July 30, 2026.
- **NPCC Glossary of Terms** comments through, July 20, 2026:
 - Key Proposed Revisions: Updates Protection System definition to explicitly add station DC batteries
 - Term appears across NPCC directories, with Directory #4 (BPS Protection Criteria) containing the most instances, followed by Directory #1 and Directory #7
- **NPCC Directory #2, Emergency Operations revisions** – 10-day final ballot period ends May 15, 2026

MSPPTF Overview

NERC held an informal comment period (May 18 – June 17, 2026) to support MSPPTF implementation and gather feedback on proposed changes

Revisions covered: ROP Section 300, Definitions (Appendix 2), Standard Processes Manual (Appendix 3A), balloting & RBB (Appendix 3B deletion, 3D), and updates to RSTC & RISC charters (incl. RISC subcommittee scope)

Key Milestones / Next Steps

Feb–Jun 2026: Finalize ROP revisions, comment period, and standards initiation templates

Jul–Sep 2026: Approve SPM for posting and initiate charter revisions & pilot SARs

Sep 2026–Jan 2027: Conduct formal posting, comments, and board engagement; initiate advisory structures

Q1–Q2 2027: Implement revised ROP, launch subcommittees/SME pool, and operationalize MSPP standards process

Q3–Q4 2027: Create RISC Subcommittee and transfer existing standards development projects

Thank You

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