Reliability Compliance Update

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RSCS
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Disclaimer: While materials are current at the time of publishing, applicable requirements may change. PJM Governing Documents control.

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STANDARD: CLO-001/002/003 FAC-001/002	Project 2026-02 Computational Loads		
PROJECT BACKGROUND:		Action	End Date
Purpose This project will address the risks posed to the Bulk-Power System (BPS) due to the emergence of new large loads (e.g., data centers, crypto mining) that are connecting to the grid at an unprecedented scale and speed. The goal of this project will be twofold and require developing: (1) changes to the NERC Glossary to include large load entities, consistent with the proposed modifications for registration criteria in NERC's Rules of Procedure; and (2) a Reliability Standard addressing reliability issues associated with integrating these large loads onto the BPS. Unofficial Comment Form - CLO-001, FAC-001, FAC-002 Unofficial Comment Form - CLO-002 Unofficial Comment Form - CLO-003 Industry Webinar - Slides and Recording		**Initial Ballots and Non-Binding Poll** **Comments**	**9/18/26** **9/18/26**

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Three newly proposed Computational Load Standards

- **CLO-001-1 Computational Load Interconnection, Studies, & Modeling Data** addresses the planning-facing integration work: interconnection requirements, studies, commissioning, qualified changes, and modeling data.
- **CLO-002-1 Computational Load Operational Data and Communications** addresses the operating-facing integration work: operational data, interpersonal communications, Operating Instructions, and response to Operating Instructions.
- **CLO-003-1 Computational Load Protection Coordination & Disturbance Monitoring** addresses protection and monitoring equipment integration work: protection coordination and disturbance monitoring data needed for event analysis.

FAQ Document

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Proposed Changes to the

NERC Rules of Procedure - Computational Load

NERC is proposing revisions to its Rules of Procedure to develop new registered entity types, called Computational Load Owner and Computational Load Operator. In response to comments received on its initial posting, NERC is posting proposed revisions to NERC Rules of Procedure Appendix 2 (Definitions Used in the Rules of Procedure), Appendix 5A (Organization Registration and Certification Manual), and Appendix 5B (Statement of Compliance Registry Criteria) for an additional public comment period for 30 days from:

August 19, 2026 to **September 18, 2026**

Comments must be submitted electronically to **ROPcomments@nerc.net**.

NERC Technical Reasoning and **FAQ Document**

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NERC ROP Appendix 2: Definitions used in the ROP

"**Computational Load Operator**" means the entity that operates a Computational Load Site.

"**Computational Load Owner**" means the entity that owns and maintains a Computational Load Site.

"**Computational Load Site**" means one or more buildings, structures, or installations at a single location that

1) Primarily contains information technology infrastructure used for:
   - creating, executing, and delivering software applications and services;
   - artificial intelligence training, deployment, and delivery;
   - cryptocurrency mining; or
   - other computational activities at a data center; and
2) is supplied through electrical equipment that is connected to the BPS.

Comments due September 18, 2026

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Listing Whom the Document Applies to + Entities Required to Register:

	Entities that Must Register	Entities that Need to be Certified
Reliability Coordinator (RC)	√	√
Transmission Operator (TOP)	√	√
Balancing Authority (BA)	√	√
Planning Authority/Planning Coordinator (PA/PC)	√	
Transmission Planner (TP)	√	
Transmission Service Provider (TSP)	√	
Transmission Owner (TO)	√	
Resource Planner (RP)	√	
Distribution Provider (DP)	√	
Generator Owner (GO)	√	
Generator Operator (GOP)	√	
Reserve Sharing Group (RSG)	√	
Frequency Response Sharing Group (FRSG)	√	
Regulation Reserve Sharing Group (RRSG)	√	
Computational Load Owner (CLO)	√	
Computational Load Operator (CLOP)	√	

Comments due September 18, 2026

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NERC ROP Appendix 5B – Statement of Compliance Registry Criteria

Registry Criteria:

Function Type	Acronym	Definition/Discussion
Computational Load Operator	CLOP	The entity that operates a Computational Load Site.
Computational Load Owner	CLO	The entity that owns and maintains a Computational Load Site.

III(c) Computational Load Owner or Operator:

III.c.1 Computational Load Owner of a Computational Load Site with a total connected Load greater than or equal to 50 MW that is supplied through electrical equipment connected at a voltage level greater than or equal to 100 kV from one or more points of connection.

III.c.2 Computational Load Operator of a Computational Load Site with a total connected Load greater than or equal to 50 MW that is supplied through electrical equipment connected at a voltage level greater than or equal to 100 kV from one or more points of connection.

Comments due September 18, 2026

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Letter to CEOs Outlines Near-Term Actions on Large Loads and Standards Development Process

NERC recently sent a letter to chief executive officers outlining near-term actions on two initiatives: **computational loads** and the **standards development process**. The letter discusses a July FERC order and parallel efforts in NERC's Large Loads Action Plan, which includes a second round of comments on registry criteria and proposed standards. The letter also discusses actions regarding NERC's initiative to modernize its standards processes and procedures and accompanying revisions to NERC's governing process to facilitate future improvements. For both topics, the letter urges strong stakeholder involvement, acknowledging the valuable contributions they provide to NERC's reliability mission.

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Webinar: **Data Center Load Modeling Workshop**

September 15, & 16, 2026 12:00 p.m. - 5:00 p.m. Eastern

Large Model Working Group (LMWG) Workshop on Data Center Load Modeling to explore advanced approaches to data center load analysis and power system stability assessments. Industry experts will share insights on load modeling techniques, best practices, screening studies, and their application to interconnection and planning studies. The workshop will also feature practical examples and guided exercises designed to strengthen participants' load modeling skills and deepen their understanding of applications.

Event Details & Draft Agenda

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Reliability and Security Technical Committee (RSTC) Standard Authorization Request (SAR) Addressing Disturbance Performance for Computational Loads

Comment period **August 26 – September 24, 2026**

The RSTC is seeking industry comments on a proposed SAR – The Large Loads Working Group (LLWG) has developed a draft SAR *Reliability Standards to Address Computational Load Disturbance Performance* and the RSTC Executive Committee approved the SAR for a 30-day public comment.

Comment Matrix

For more information or assistance, please contact **LLWG@nerc.net** via email.

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Large Loads Working Group (LLWG) 2027 Work Plan Item Survey

Survey Link by September 18, 2026

The survey is being sent out to collect feedback in preparation for the LLWG 2027 work plan. Observers and Members are all encouraged to fill out the survey. Results will be compiled and summarized at the October 1 hybrid meeting.

For more information or assistance, please contact **LLWG@nerc.net** via email.

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Webinar: Preparation for Cold Weather

September 17, 2026 | 1:00–4:00 p.m. Eastern

The webinar is to provide the industry information and material for use in entity cold weather preparedness. The webinar features presentations from: EPRI, Entergy, RF, MRO, SERC, ERCOT, and NERC staff. All meeting information including WebEx Registration can be found in the Event Details Page link below.

Event Details Page

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Monitoring and Situational Awareness Technical Conference

October 6, 2026 | 8:00 a.m. – 5:00 p.m. Central

October 7, 2026 | 8:00 a.m. – 12:00 p.m. Central

The NERC Energy Management System Working Group will hold its 14th Annual Monitoring and Situational Awareness Technical Conference. This year's conference theme is "***Reassuring Modeling: From Legacy Errors to Verified Performance***." The event will bring together professionals to explore emerging technologies, innovative solutions, and workforce strategies that are shaping the future of the energy industry.

Conference Registration **Draft Agenda**

ComEd - Chase Tower, 10 S. Dearborn Street, Chicago, IL, 60603

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Bulk Electric System Operating Agility Workshop

October 7, 2026 | 1:00 p.m. – 5:00 p.m. Central

October 8, 2026 | 8:30 a.m. – 3:00 p.m. Central

NERC will hold its **second annual Bulk Electric System Operating Agility Workshop.** The workshop's purpose is to provide a forum for entities, across the grid, to share/discuss operating practices that influence/improve agility within operations. Planned topics include oscillation detection tools, industry interdependency challenges, a review of the Iberian Peninsula Outage, and a discussion on relay loadability with respect to cascading outage analysis. Additionally, there will be a panel discussion on how entities develop their respective real-time assessment tools.

In-Person Registration **Draft Agenda**

ComEd - Chase Tower, 10 S. Dearborn Street, Chicago, IL, 60603

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BES Misoperations Reduction Workshop

October 20-21 | 8:00 a.m. – 5:00 p.m. Central

Event Page

NERC is hosting the fourth annual BES Protection System Misoperation Reduction Workshop – Building on the success of the previous Bulk Electric System (BES) Protection System Misoperation Reduction Workshops, this year's workshop will continue to focus on the leading causes of protection system misoperations and mitigating actions taken by entities to reduce misoperations.

Registration

ERCOT Austin
8000 Metropolis (Building E), Suite 100
Austin, TX 78744

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Synchronized Measurement Working Group - Hybrid Meeting

November 5, 2026 | 9:00–5:00 p.m. Eastern

All attendees must register for the meeting by October 15, 2026. Visit the Event Details Page for registration, virtual attendance information, and meeting materials as they become available

Event Details Page

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Reliability and Security Technical Committee (RSTC) Approved Documents

During its July 30, 2026 meeting, The RSTC Approved two documents for posting

Data Center Load Modeling Technical Reference Document

Computational Loads Standard Authorization Request Roadmap

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Draft Reliability Guideline - Inadvertent Interchange

Comment August 26, 2026, to October 12, 2026

The Reliability and Security Technical Committee (RSTC) approved the Reliability Guidelines for Inadvertent Interchange for a 45-day industry comment period. Your input will help improve the documents and ensure they effectively meet industry needs. When submitting your comment matrix to Elsa Prince, please use the hyperlinked name below. The name of the document that you are submitting comments on will automatically appear in the subject line of your email. For more information or assistance, please contact **Elsa Prince.**

Reliability Guideline – Clean

Reliability Guideline - Redline

Comment Matrix

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Standard Processes Manual Revision (SPM) / Modernization of Standard Processes and Procedures (MSPP) Implementation

BACKGROUND:

Purpose

In February 2026, the NERC Board accepted the *Recommendations for Transforming the Reliability Standard Framework* developed by the Modernization of Standards Processes and Procedures (MSPP) Task Force . Following this action, NERC staff launched the implementation phase of this initiative to develop the processes and procedures necessary to implement the MSPP Task Force's recommendations. Implementation requires revising the Rules of Procedure (ROP), including the Standard Processes Manual (Appendix 3A). Additional supporting materials including a section-by-section summary of the proposed revisions is available on the Modernization of Standards Processes and Procedures page.

Unofficial Comment Form

Action	End Date
Ballot Pools	10/9/26
Initial Ballots	10/16/26-10/26/26
Comments	10/26/26

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MSPP Implementation Update: NERC to Host Industry Webinar on Formal Comment Periods

September 14 | 1:30 p.m. – 2:30 p.m. Eastern

Join Here

As part of the implementation phase of the **Modernization of Standards Processes and Procedures Initiative**, NERC opened two 60-day formal comment periods, one on proposed revisions to the Rules of Procedure (ROP) and one on proposed revisions to the Standard Processes Manual (SPM). The comment periods are open through **October 26**. Revised drafts of the standing committee charters and the Reliability Issues Steering Committee's Reliability Standard Development Subcommittee scope document are available as supporting documents. A ballot period will also occur for revisions to the SPM.

Will provide an overview of the proposed updates, context on the implementation phase, and an opportunity to ask questions and better understand how these changes may impact the standards development process.

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Standards Committee (SC) Action to Support Transition to the Modernization of Standards Processes and Procedures (MSPP) Framework (SC Event Details)

To facilitate an efficient and orderly transition to the new process, the SC took action during its August 19, 2026, meeting to discontinue the following low and medium priority standards development projects under the current process, with an intent to reconsider them under the new standards intake and prioritization process envisioned under the MSPP framework

Each impacted project drafting team (DT) will work with NERC standards developers to coordinate next steps and developers will reach out to DTs in the coming weeks.

- Project 2020-06 Verifications of Models and Data for Generators
- Project 2022-02 Uniform Modeling Framework for IBR
- Project 2023-05 Modifications to FAC-001 and FAC-002
- Project 2023-07 Transmission System Planning Performance Requirements for Extreme Weather
- Project 2023-08 Modifications of MOD-031 Demand and Energy Data
- Project 2026-01 PRC-006 Standard Updates
- Project 2022-04 EMT Modeling
- Project 2017-01 Modifications to BAL-003 - Phase II
- Project 2019-04 Modifications to PRC-005-6
- Project 2021-01 System Model Validation with IBRs
- Project 2021-02 Modifications to VAR-002-4.1
- Project 2021-08 Modifications to FAC-008

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CMEP Practice Guide: PRC-029-1 Enforcement Discretion

The purpose of this CMEP Practice Guide is to provide guidance to CMEP staff regarding the use of enforcement discretion for potential noncompliance with the design aspects of PRC-029-1 Requirements R1, R2, and R3 (Frequency and Voltage Ride-through Requirements for Inverter-based Generating Resources). Due to industry-wide constraints on qualified Inverter-Based Resource (IBR) original equipment manufacturers (OEMs) and vendors, some Generator Owners may be unable to complete the design implementation activities associated with Requirements R1 through R3 by the applicable compliance dates of October 1, 2026, for Bulk Electric System (BES) IBRs and January 1, 2027, for non-BES IBRs. The ERO Enterprise modified the Practice Guide to provide additional clarity, including the use of Enforcement Discretion, the monitoring strategy, and impact to a registered entity's compliance history.

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FERC, NERC Review Shows Bulk-Power System Improvements in Preparation and Coordination During Winter 2026 Arctic Period

The Federal Energy Regulatory Commission (FERC), the North American Electric Reliability Corporation (NERC), and its Regional Entities said today that the country's Bulk-Power System demonstrated strong performance during extreme cold weather events earlier this year, with no significant disruptions in either the natural gas or electric systems. The report [ferc.gov] credits the improved performance to the implementation of recommendations from previous winter storm reports, as well as 202(c) emergency orders issued by the Secretary of Energy.

Full Announcement **Presentation**

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NERC Statement on 2026 Cold Weather Performance Review

FERC, NERC, and its Regional Entities released a joint staff report reviewing how the bulk power and natural gas systems performed during the winter 2026 arctic cold weather period. The report finds laudable improved performance while noting that extreme cold continues to challenge both systems, underscoring the urgent need for sustained progress and vigilance.

Last winter, extreme cold snaps persisted over extended days in parts of the Eastern and Texas Interconnections, precipitating significant operational stress on the electric and gas systems that requires deliberate attention. The report also finds strong system performance with no significant disruption to either system. The report credits several factors, such as new cold weather reliability standards, leveraged insights from past events, better coordination, advance fuel procurement, enhanced winter preparedness, and emergency orders by the Secretary of Energy.

This winter showed that industry actions are making a difference; however, the work is not finished. Both the electric and gas systems were stretched over multiple days, resulting in numerous reliability challenges that continue to stress the system during extreme winter weather periods, increasing the potential for serious reliability impacts. Electric operators relied on their full toolbox to keep the lights on. Multiple energy emergencies were called. Such scenarios should not be considered the new normal. Winter brings significant reliability risks, and energy systems remain highly interconnected.

To the fullest extent of authority, NERC will continue to address the vulnerabilities that prolonged severe weather periods reveal and continue to call on both electric and gas industries to act on these challenges. Opportunities for further action include enhanced gas/electric coordination, improved load forecasting, and more natural gas infrastructure. NERC is committed to continued work with industry and policymakers to address extreme cold weather performance.

Joint Staff Report

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Reliability*First* (RF)

- Technical Talks with RF

September 14-16, 2026 Fall Reliability & Security Summit	
October 26, 2026	2:00 p.m. – 3:30 p.m.
November 16, 2026	2:00 p.m. – 3:30 p.m.
December 14, 2026	2:00 p.m. – 3:30 p.m.

https://www.rfirst.org/events/list/

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- Compliance Bulletin (CB017) NERC Standard PRC-005

  - Annual Review
    - Identified no changes

  - Stakeholder notifications
    - SOS (9/02/2026), RSCS (9/14/2026)
  - Effective Date 9/22/2026

https://pjm.com/library/compliance/compliance-bulletins

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Contact

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Reliability Compliance Update

Member Hotline

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