



TEXAS RE

Texas RE Update

ERCOT Large Load Working Group

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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*

- A recording of NERC's webinar from July 8 on the Level 3 Essential Action Alert for Large Computational Loads (LCLs) is posted; responses in review for report to FERC this Fall
- Data Center Load Modeling Technical Reference posted on Aug. 3; virtual workshop set for afternoons on Sept. 15-16, 2026
- FERC issued Order RD26-7-000 to NERC in July to produce Reliability Standards for computational loads by year end, and report on additional needs by March 2027
- Revised Standards & registry criteria posted for comments/initial ballot on Aug.19 – Sept. 18



18 C.F.R. § 39.2(c): “Each user, owner and operator of the Bulk-Power System within the United States (other than Alaska and Hawaii) shall register with the Electric Reliability Organization and the Regional Entity for each region within which it uses, owns or operates Bulk-Power System facilities, in such manner as prescribed in the Rules of the Electric Reliability Organization and each applicable Regional Entity.”



NERC Rules of Procedure, Section 500: “The purpose of the Organization Registration Program is to clearly identify those entities that are responsible for compliance with the FERC approved Reliability Standards.”



Registered Functions

Balancing Authority (BA)	Distribution Provider (DP)	Frequency Reserve Sharing Group (FRSG)	Generator Operator (GOP)
Generator Owner (GO)	Planning Authority/Planning Coordinator (PA/PC)	Reliability Coordinator (RC)	Regulation Reserve Sharing Group (RRSG)
Reserve Sharing Group (RSG)	Resource Planner (RP)	Transmission Operator (TOP)	Transmission Owner (TO)
	Transmission Planner (TP)	Transmission Service Provider (TSP)	



Distribution Provider (DP)

- Provides and operates the “wires” between the Transmission system and the end use customer
- **DP-UFLS**: Note: a Distribution Provider entity shall be an underfrequency load shedding (UFLS)-only Distribution Provider if it is the responsible entity that owns, controls or operates UFLS Protection System(s) needed to implement a required UFLS program designed for the protection of the Bulk Electric System (BES), but does not meet any other registration criteria for a Distribution Provider.



III. Entities identified in Section II above as being subject to Registration as a Distribution Provider should be included in the Compliance Registry for these functions only if they meet any of the criteria listed below:

III(a) Distribution Provider:

III.a.1 Distribution Provider system serving >75 MW of peak Load that is directly connected to the BES;⁷ or

III.a.2 Distribution Provider is the responsible entity that owns, controls, or operates Facilities that are part of any of the following Protection Systems or programs designed, installed, and operated for the protection of the BES:⁸

- a required Undervoltage Load Shedding (UVLS) program and/or
- a required Special Protection System or Remedial Action Scheme and/or
- a required transmission Protection System; or

III.a.3 Distribution Provider that is responsible for providing services related to Nuclear Plant Interface Requirements (NPIRs) pursuant to an executed agreement; or

III.a.4 Distribution Provider with field switching personnel identified as performing unique tasks associated with the Transmission Operator's restoration plan that are outside of their normal tasks.

III(b) Distribution Provider with UFLS-Only assets (referred to as "UFLS-Only Distribution Provider")

III.b.1 UFLS-Only Distribution Provider does not meet any of the other registration criteria in Sections III(a)(1)-(4) for a Distribution Provider; and

III.b.2 UFLS-Only Distribution Provider is the responsible entity that owns, controls, or operates UFLS Protection System(s) needed to implement a required UFLS Program designed for the protection of the BES.

The Reliability Standards applicable to UFLS-Only Distribution Providers are: (1) any version of PRC-005 and PRC-006 applicable to UFLS-Only Distribution Providers, (2) any regional Reliability Standard whose purpose is to develop or establish a UFLS Program, and (3) any Reliability Standard that lists UFLS-Only Distribution Provider in the applicability section. Reliability Standards that apply to Distribution Providers will not apply to UFLS-Only Distribution Providers, unless explicitly stated in the applicability section of these Reliability Standards and in future revisions and/or versions.



Other Potential Registered Functions of Large Loads

Generator Operator (GOP)

- The entity that: 1) operates generating Facility(ies) and performs the functions of supplying energy and Interconnected Operations Services (Category 1 GOP); or 2) operates non-BES inverter based generating resources that either have or contribute to an aggregate nameplate capacity of ≥ 20 MVA, connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage ≥ 60 kV (Category 2 GOP).

Generator Owner (GO)

- The entity that: 1) owns and maintains generating Facility(ies) (Category 1 GO); or 2) owns and maintains non-BES inverter based generating resources that either have or contribute to an aggregate nameplate capacity of ≥ 20 MVA, connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage ≥ 60 kV (Category 2 GO).

Transmission Operator (TOP)

- The entity responsible for the reliability of its local Transmission system and operates or directs the operations of the Transmission Facilities.

Transmission Owner (TO)

- The entity that owns and maintains Transmission Facilities.

Proposed Computational Load ROP Changes

Appendix 2 (Definitions Used in the Rules of Procedure)

Appendix 2 to the NERC Rules of Procedure includes defined terms used throughout the Rules of Procedure. The proposed revisions add the following three terms:

- “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.

Appendix 5A (Organization Registration and Certification Manual)

Appendix 5A contains the process used by NERC and the Regional Entities to register certain functional entity types to which mandatory and enforceable Reliability Standards apply. The proposed revisions to Appendix 5A add “Computational Load Owner (CLO)” and “Computational Load Operator (CLOP)” as types of entities that are required to register on the NERC Compliance Registry. In addition, proposed revisions to Appendix 5A include minor administrative corrections.

Appendix 5B (Statement of Compliance Registry Criteria)

Appendix 5B contains the specific criteria NERC and the Regional Entities use to identify which organizations may be candidates for registration for functional entity types. In accordance with the Federal Power Act, NERC must identify the owners, operators, and users of the BPS who have a material impact on the BPS. To that end, the proposed revisions in Appendix 5B add threshold criteria to identify those organizations that should be registered as Computational Load Owners and Operators, summarized below:

- Computational Load Owner or 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.

Candidates must meet all the criteria in the proposed revisions in Appendix 5B in order to be registered as a Computational Load Owner or a Computational Load Operator. In some circumstances, a candidate may be considered as both a Computational Load Owner and a Computational Load Operator and would be registered for both functions.



**Now: apply existing
Registration criteria to
large loads**



**Future: stay tuned for
info on new Registered
Function specific to
large loads**



Questions?