

PUBLIC



NERC Reliability Standard MOD-032-2

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ERCOT Grid Planning

UDG Workshop
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NERC Reliability Standard MOD-032-2

- Proposed modifications ([MOD-032-2](#)) were approved by FERC on February 19, 2026
- Phased-in compliance dates in accordance with the Project 2022-02 [Implementation Plan](#)
 - April 1, 2028, for R1 (data requirements and reporting procedures)
 - April 1, 2029, for R2, R3 and R4 (provision of data)
- Includes explicit requirements to collect DER data
 - Largely aligned with NPPR 1265

Planner Flexibility and Discretion in MOD-032-2

- R1.** Each Planning Coordinator and each of its Transmission Planners shall jointly develop steady-state, dynamics, and short circuit modeling data requirements and reporting procedures for the Planning Coordinator’s planning area that include: *[Violation Risk Factor: Lower] [Time Horizon: Long-term Planning]*
- 1.1.** The data listed in Attachment 1, including the entity responsible for each required item.

MOD-032-2 – ATTACHMENT 1 Data Reporting Requirements

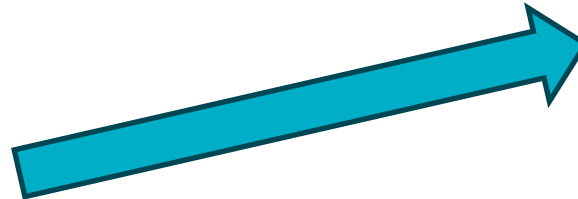
The table below indicates the information¹ that is required to effectively model the interconnected transmission system for the Near-Term Transmission Planning Horizon and Long-Term Transmission Planning Horizon. Data must be shareable on an interconnection-wide basis to support use in Interconnection-wide cases. The joint Planning Coordinator/Transmission Planner modeling data requirements and reporting procedures developed under Requirement R1 will **specify entity responsibility and data flow processes**. The typical functional entity² responsible for reporting the respective data in the table is identified by brackets “[functional entity]” adjacent to and following each data item. The data reported shall be identified by the bus number, name, and/or identifier that is assigned in conjunction with the Planning Coordinator, Transmission Owner, or Transmission Planner.

MOD-032-2 Attachment 1 – DER Data Requirements

steady-state

- 9. Aggregate Distributed Energy Resource (DER) data⁷ [DP, TO]⁶
 - a. Location (bus from item 1)
 - b. Real power capability
 - c. DER type (solar, battery, diesel generator, etc.)

Not addressed
by NPRR 1265



dynamics

- 10. Aggregate Distributed Energy Resource (DER) data⁷ [DP, TO]⁶
 - a. Parameters, settings, or capabilities related to momentary cessation, tripping, Ride-through, voltage control, and frequency control or information that can be used to infer those items for modeling purposes.
 - b. Indication whether DERs are subject to tripping in conjunction with UFLS or UVLS.

Attachment 1 Data Reporting Requirements Footnotes

- 7. Aggregation thresholds for DERs may be specified in the joint Planning Coordinator/Transmission Planner modeling data requirements and reporting procedures developed under Requirement R1.

MOD-032-2 Allows Estimation of DER Data

- 2.1.** If a functional entity is required to provide data for one or more of the following and is unable to gather such data, the functional entity shall provide an estimate of the data, an explanation of the limitations of the estimated data, and the method used for estimation;
- Aggregate DER data; or

DER Tripping in Conjunction with UFLS/UVLS

- Process to collect information?
- One (or more?) of the following:
 - New NPRR
 - DWG Procedure Manual
 - UDG Template adjustments (requires NPRR?)

Key Takeaway: ERCOT (as PC) and TSPs (as TPs) need to establish process for collecting this data. ERCOT is open to TSP proposals.

Questions/Comments?

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