Software Issue Impacting Certain Ancillary Service Trades from OD 12/05 to OD 12/10

RTCBTF

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Software Issue Impacted AS Trade Data

- An Ancillary Service (AS) trade should be submitted by both the buyer QSE and Seller QSE. Once an Ancillary Service trade is confirmed by both buyer and seller, it should be considered valid and then to be used in the downstream applications.

- A software issue in the ERCOT Market Management System (MMS) affected the validation of AS trades. As a result, starting from December 5, 2025, a subset of AS trades were not passed to downstream applications and Settlements, even though they were confirmed by both buyer and seller QSEs.

- This software issue was fixed in MMS on December 10, 2025.

Impact to Real-Time Market (RTM) Settlement

- Because not all valid AS records were passed to ERCOT Settlement system for Operating Days (OD) 12/5/2025 and 12/6/2025, the Initial Settlements for those two ODs were impacted.

- This issue impacted the associated QSE's settlement of Real-Time Ancillary Service Imbalance, as the missing AS trade records could lead to incorrect amounts of:
  - AS trades purchased,
  - AS trades sold, or
  - AS Trade Overages.

- After reviewing the impact with corrected AS trade records, ERCOT determined that both ODs are qualified for resettlement, and the RTM Resettlement Statement was issued on January 9, 2026.

Impact to Reliability Unit Commitment (RUC) Capacity Short Calculation

- The AS trade records are also used in the MMS process to determine the QSE's RUC Shortfall Ratio Share. Therefore, the missing AS trade records could cause incorrect RUC Shortfall Ratio Share and potentially lead to incorrect RUC Capacity-Short Charges, if a RUC instruction is issued for the impacted Operating Hour.

- From December 5, 2025, to December 10, 2025, RUC instructions were only issued for the certain hours on OD 12/8/2025. After the fix was deployed in MMS production, ERCOT was able to rerun the RUC Capacity Short Calculation process, and the correct RUC Shortfall Ratio Share was used in the Initial Settlement for OD 12/8/2025.

Impact to Real-Time Market (RTM) SCED

- Under the RTC design, a QSE can self-provide relay-controlled RRS and ECRS by telemetering the amount of self-provided AS on its Load Resources.
    - However, the total amount of self-provision AS from the QSE in a specific Operating Hour is limited by the QSE's Day-Ahead Market (DAM) AS awards and its AS trade amounts.

- Due to the missing AS trade records, SCED applied incorrect limits to some QSE's self-provision AS amounts. Therefore, the telemetered self-provision AS was not fully awarded on the Load Resources which belonged to the impacted QSEs.

- SCED intervals from 6PM on December 5, 2025, to 11AM on December 10, 2025, were affected by this issue. The partial awards to self-provision AS mostly impacted RRSUFR of the Load Resources belonging to two QSEs.

Impact to Real-Time Market (RTM) SCED (Cont.)

- After reviewing the available data and potential impact, ERCOT has determined that it is not able perform an RTM price correction for ODs 12/5/2025 to 12/10/2025, as our current tools cannot recalculate accurate prices for the impacted SCED intervals.