

# **Corrective Measures**

Market Participants Communication

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# 1. Description of Corrective Measures

*What is a Corrective Measure and why are they needed?*

Corrective Measures (CMs) are instruments provided by the Algorithm Methodology (AM) to handle performance issues, experienced or foreseen in production in the market coupling session.

According to AM article 3.4, *"the SDAC and SIDC algorithms shall support products listed in the Terms and conditions on SDAC products and SIDC products and all DA and ID algorithm requirements"*. However, in case the support of these products and requirements *"leads to a deterioration of the algorithm performance, all NEMOs may apply, through the procedures for corrective measure and/or request for changes:*

- a) limitations to specific products or their usage in specific bidding zones, and/or*
- b) limitations to specific algorithm requirements or their usage, if these requirements are specified in a way that excessively impacts the algorithm performance."*

To make sure the algorithm can be alleviated in case of sustained performance degradation, several Corrective Measures have been designed. The first set of these measures will be ready from 15' MTU go-live.

## 2. Triggering

*When will a CM be activated?*

The Corrective Measures process shall be activated in case the market coupling algorithm performance degrades. There are two monitoring processes identified, short-term and long-term monitoring. Both of the processes monitor the TTFS (Time To First Solution; the time Euphemia needs to find an OK solution).

*Note: a CM will only be activated if performance (TTFS) degradation is observed. Further indicators are analysed, but those are solely used to find the root cause of the performance degradation.*

- ▶ **Rapid trend monitoring:** more conservative, described below. Monitors TTFS daily.
- ▶ **Slow trend monitoring:** defined by AM article 12.1. Monitors TTFS on a monthly basis.

### **Rapid trend monitoring**

After the 15' MTU go-live, the daily value of Euphemia Time To First Solution (TTFS) will be recorded and compared with the relevant thresholds defined below.

- ▶ Case 1: TTFS > 85% of the allocated calculation time for 3 days in the last 7 days.
- ▶ Case 2: TTFS > 150% of the allocated calculation time for 2 days in the last 7 days.

Where the allocated calculation time is 30 minutes after 15' MTU go-live.

If either Case 1 or Case 2 happens, the process for the evaluation of possible CM application will be initiated.

## 3. Activation Process

*How will a CM be activated and for how long?*

After the monitoring thresholds have been breached, NEMOs and TSOs will be informed within the same day. Technical groups will then start an investigation on the next working day, formulating a recommendation for a CM to apply as soon as possible. This recommendation will be based on **detailed monitoring data**. Finally, technical groups will formulate a recommendation towards the Steering Committee (MCSC), which **will decide on the application of a Corrective Measure**.

The activation of the CM shall be communicated to Market Participants (MP) and regulators (NRAs and ACER) at least **one week before the activation of the CM** itself. Relevant information shall be published on the NEMO Committee and ENTSO-E websites.

The application of a CM is limited to **eight months**, after which, if the algorithm performance cannot be restored, all NEMOs shall develop a proposal for amendments of the AM or of the SDAC Products Methodology or SIDC Products Methodology.

## 4. List of Available Measures

*What are the different options for CMs?*

As of September 2025, there are several Corrective Measures approved and available for the 15' MTU go-live. This list will be expanded after 15' MTU go-live, to cover a wide range of possible performance issues derived from increased system stress and higher system complexity.

### **Corrective Measures for 15' MTU go-live**

- ▶ Reduce overall NEMO product usage down to Scalability Study upper limit.
- ▶ Remove Linked Block and Exclusive Group orders.
- ▶ Removal of Ramping from HVDC line sets.