

Table of Contents

1. Introduction	3
1.1. Purpose	3
1.2. Governed / Regulated by	3
1.3. Associated Procedures	3
2. Procedure	3
2.1. Definitions	3
2.2. Maximum Clearing Price detection and process for amending maximum price.....	4
Annex I to 4M MC_EXC_07 – HMMCP for SDAC and SIDC.....	8



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1. Introduction

This document gives a description of the special actions that should be applied after the DA (Day Ahead) Market Coupling process in case the clearing price exceeds a value of 60 percent of the predefined harmonized maximum clearing price for SDAC in at least one market time unit (hour) in a day in an individual bidding zone or in multiple bidding zones in the MRC or 4M MC regions.

1.1. Purpose

The purpose of this procedure is to describe the specific actions that should be performed by PXs/SP in case the above situation is detected, as well as the implications and consequences.

The involved actions include Day-Ahead MCO Function System (PMB) interventions, local PXs/SP actions and formal communications between Operators performing the SDAC Market Coupling.

1.2. Governed / Regulated by

- 4M MC PX-PX Agreement
- ANDOA
- ACER Decision on NEMOs HMMCP for single day-ahead coupling: https://www.acer.europa.eu/Official_documents/Acts_of_the_Agency/Pages/ANNEXES-NEMOs-HMMCP-FOR-SINGLE-DAY-AHEAD-COUPLING-DECISION.aspx
- ACER Decision on NEMOs HMMCP for single intraday coupling: https://www.acer.europa.eu/Official_documents/Acts_of_the_Agency/Pages/ANNEXES-NEMOs-HMMCP-FOR-SINGLE-INTRADAY-COUPLING-DECISION.aspx

1.3. Associated Procedures

- 4M MC_OPE_02: Operational Calls
- 4M MC_OPE_04: Internal and External Communications

2. Procedure

2.1. Definitions

- **‘CACM’**: means Capacity Allocation and Congestion Management rules.
- **‘Clearing Prices’**: means the price determined by matching the highest accepted selling order and the lowest accepted buying order in the electricity market.
- **‘COS’**: means Central OPSCOM Secretary.
- **‘Day-Ahead MCO Function’**: It refers to the PCR PXs that are considered as Market Coupling Operators. The market coupling operator uses a specific algorithm to match bids and offers in an optimal manner. The results of the calculation should be made available to all power exchanges.
- **‘HMMCP’**: means Harmonization of Minimum and Maximum Clearing Prices.

- **‘Local Interim solution’**: means the temporal local solution internally implemented by PXs/SP for the detection of the situation described in the [introduction](#) section of this document. In the future, aim is to have common PMB solution.
- **‘NEMO’**: means Power exchanges or Nominated Electricity Market Operators who collect bids and offers within different time-frames in different market areas (bidding zones) which serve as an input for capacity calculation in the single day-ahead process.
- **‘Operator’**: means an Operational NEMO performing the DA MCO Function Operations during Market Coupling, which provides the Coordinator with the information needed for the calculation of the Results, participates in the actions convened by the Coordinator, complies with commonly agreed decisions and accepts or rejects the Results in respect of its Individual Input Data (plus those of its Serviced NEMO(s)).
- **‘PX’**: means a NEMO, a company that organizes directly, or through services of a third party, wholesale trade of electricity, to be delivered in a certain Bidding Area, or of electricity related products.
- **‘Single day-ahead Coupling’ (SDAC)**: means the auctioning process where collected orders are matched and cross-zonal capacity is allocated simultaneously for different market zones/bidding areas in the day-ahead market.
- **‘Single Intraday Coupling’ (SIDC)**: means an implicit cross-zonal capacity allocation mechanism which collects orders for each bidding zone from wholesale market participants and matches them continuously into contracts to deliver electricity while respecting cross-zonal capacity and allocation constraints, and is available in the intraday market timeframe once the day-ahead market allocation process has taken place. NEMO solution is based on the cross-border ID (XBID) commercial solution.
- **‘SP’**: means Service Provider, EPEX Spot as the entity providing service of PCR individually to OKTE and HUPX.
- **4MMC Project**: The 4MMC Project involves the National regulatory authorities (ERÚ, ÚRSO, MEKH, and ANRE), transmission system operators (ČEPS, SEPS, MAVIR, and Transelectrica), and power exchanges / market operators (OTE, OKTE, HUPX, and OPCOM, from the Czech Republic, Slovakia, Hungary, and Romania and it is an intermediate step before joining MRC.

2.2. Maximum Clearing Price detection and process for amending maximum price

The HMMCP modification mechanism is triggered in case the clearing price (which is the published market price) exceeds a value of 60 percent of the **predefined harmonized maximum clearing price for the 4M MC auction** in at least one market time unit (hour) in a day in an individual market area or in multiple market areas listed in the *Annex I* of the current document.

The Harmonization of the Minimum and Maximum Clearing Price process shall be applied in all market areas which participate in the MRC or 4MMC auctions pursuant to Article 41 of the CACM Regulation. Changes are applicable for all markets under CACM regulation.

This document establishes, after the detection of the above-mentioned situation, the needed actions in order to establish and amend new maximum price for the 4M MC auction and, when relevant, reporting towards XBID bodies.

It is the responsibility of each PX to check the Day-Ahead Market Coupling Prices and specifically for the market areas where they are an active PX in order to detect the reaching or exceeding of the 60 percent of the predefined harmonized maximum clearing price.

All needed actions will be carried out outside of the on-going Day-Ahead Market Coupling session and shall not interfere with it.

The following table lists all the steps and rules involved in the detection and management for amending and set new maximum price for the 4M MC auction. A brief description of each step is available below the table.

The Day-Ahead MCO Function System Operators (PMB operators) should follow the exact order of steps, under the coordination of the 4M MC Coordinator.

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Annex I to 4M MC_EXC_07 – HMMCP for SDAC and SIDC

Harmonized maximum and minimum clearing prices for SDAC

1. The harmonized maximum clearing price for SDAC shall be **+3000** EUR/MWh.
2. The harmonized minimum clearing price for SDAC shall be **-500** EUR/MWh.

Harmonized maximum and minimum clearing prices for SIDC

1. The harmonized maximum clearing price for SIDC shall be **+9999** EUR/MWh.
2. The harmonized minimum clearing price for SIDC shall be **-9999** EUR/MWh.

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