



NVE

Reguleringsmyndigheten
for energi – RME

Vedlegg I

Metode om fastsettelse av harmoniserte maksimums- og minimumslikevektspriser for dognmarkedet etter CACM artikkel 41



Whereas

- (1) This document sets out the methodology for the harmonised maximum and minimum clearing prices ('HMMCP') in single day-ahead coupling ('SDAC') for Norway in accordance with Article 41 of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management ('the CACM Regulation') which also includes mechanisms for adjusting automatically the maximum and the minimum clearing prices.
- (2) In accordance with Article 41(1) of the CACM Regulation, the HMMCP for SDAC is to take into account an estimation of the value of lost load ('VoLL'). The objective of this requirement is to ensure that the HMMCP for SDAC does not impose barriers on free price formation. This document provides for the adjustment rule of HMMCP for SDAC, which is expected to achieve the same goal, i.e. to minimise the likelihood that HMMCP for SDAC imposes barriers on free price formation. The HMMCP for SDAC therefore implicitly takes into account the VoLL as the adjustment rule is expected to gradually increase the HMMCP for SDAC to a level, which represents the VoLL as determined by the market participants' willingness to pay.
- (3) This document takes into account the outcomes of the consultation of NVE-RME by the EFTA Surveillance Authority from 8 January 2024 to 22 January 2024 and takes note of the public consultations organized by all nominated electricity market operators ('NEMOs') from 24 May to 15 July 2022 and by the European Agency for the Cooperation of Energy Regulators ('ACER') from 19 September to 9 October 2022. Based on these, a triggering mechanism for adjusting the harmonized maximum clearing price with stricter conditions is introduced. The mechanism will therefore lead to a more gradual increase of the HMMCP.
- (4) The adjustment rule for the HMMCP for SDAC includes a transition period over which the clearing price is maintained at the value of the HMMCP for SDAC before the adjustment. During this transition period, and depending on whether the transition period was initiated following an increase of the harmonized maximum clearing price or a decrease of the harmonized minimum clearing price, no further change of that HMMCP should be initiated.
- (5) The HMMCP for SDAC takes into account the general objectives of capacity allocation and congestion management cooperation described in Article 3 of the CACM Regulation.
- (6) This document fulfils the objective of 'promoting effective competition in the generation, trading and supply of electricity' as the HMMCP for SDAC have been set at levels that do not restrict effective competition in the generation, consumption, trading or supply in the organised wholesale market.
- (7) This document fulfils the objective of 'ensuring operational security' by harmonising maximum and minimum clearing prices as well as removing barriers for free price formation. This promotes flexibility and thereby contributes to the operational security, as well as security of supply.
- (8) This document fulfils the objective of 'optimising the calculation and allocation of cross-zonal capacity', and also the objective of 'optimal use of the transmission infrastructure', by removing the barriers for



free price formation which effectively optimises the allocation of cross-zonal capacities and the use of transmission infrastructure.

- (9) This document fulfils, or rather is deemed to have no negative impact on, the objective to ensure fair and non-discriminatory treatment of transmission system operators ('TSOs'), NEMOs and market participants.
- (10) This document achieves the objective of 'ensuring and enhancing the transparency and reliability of information' as the HMMCP for SDAC have been publicly consulted by ACER. The final document will also be published.
- (11) This document fulfils the objective of 'contributing to the efficient long-term operation and development of the electricity transmission system and electricity sector' as the HMMCP for SDAC have been set at levels that allow full provision of supply and demand orders in the SDAC and therefore SDAC results can contribute to the provision of efficient price signals for forward (long term) price formation that can enable efficient signals for investment in generation and demand side response.
- (12) This document fulfils the objectives of 'respecting the need for a fair and orderly market and fair and orderly price formation' and 'providing non-discriminatory access to cross-zonal capacity' by harmonising the HMMCP across the bidding zones which participate in SDAC and among all NEMOs active within the given bidding zones.
- (13) This document fulfils the objective of 'creating a level playing field for NEMOs' as the HMMCP applied will always be identical for multiple NEMOs active within one individual bidding zone as well as single NEMOs active in more bidding zones

**TITLE 1**
General Provisions**Article 1**
Subject matter and scope

This HMMCP for SDAC methodology and the HMMCP shall be applied in all bidding zones which participate in SDAC pursuant to Article 41 of the CACM Regulation.

Article 2
Definitions and interpretation

1. Terms used in this document shall have the meaning of the definitions included in Article 2 of the CACM Regulation and the Commission Regulation (EU) No 543/2013 of 14 June 2013 on submission and publication of data in electricity markets and amending Annex I to Regulation (EC) No 714/2009 of the European Parliament and of the Council, as amended for the purposes of the EEA Agreement.
2. In addition, in this document the following terms shall apply:
 - a) ‘Harmonised maximum clearing price for SDAC’ means the maximum clearing price value which is applied in all bidding zones which participate in SDAC;
 - b) ‘Harmonised minimum clearing price for SDAC’ means the minimum clearing price value which is applied in all bidding zones which participate in SDAC; and
 - c) ‘Transition period’ refers to the duration between the day during which the triggering conditions to adjust the harmonized maximum or the harmonized minimum clearing price described in Article 4(1)(a) and 4(2)(a) have been met and the day of the application of the adjusted harmonized maximum or the harmonized minimum clearing price in all coupled bidding zones which participate in SDAC.
3. In this document, unless the context requires otherwise:
 - a) the singular indicates the plural and vice versa;
 - b) the table of contents, headings and examples are inserted for convenience only and do not affect the interpretation of this document.



TITLE 2

Maximum and minimum prices

Article 3

Harmonised maximum and minimum clearing prices for SDAC

1. The reference harmonised maximum clearing price for SDAC shall be +4000 EUR/MWh.
2. The reference harmonised minimum clearing price for SDAC shall be -500 EUR/MWh.
3. The reference harmonized maximum and minimum clearing prices for SDAC determined in paragraphs (1) and (2) of this Article shall set the initial value of the harmonized maximum and minimum clearing prices. Thereafter, the harmonized maximum and minimum clearing prices shall be adjusted in accordance with Article 4.

Article 4

Criteria and process for adjusting the harmonized maximum and minimum clearing prices for SDAC

1. The harmonised maximum clearing price for SDAC shall be adjusted according to the following rules:
 - a) the harmonised maximum clearing price for SDAC shall be increased by 500 EUR/MWh in the event that the clearing price, in at least one bidding zone, exceeds a value of 70 percent of the harmonised maximum clearing price for SDAC in at least 2 market time units in at least 2 different days within 30 rolling days from the first price spike;
 - b) after the event referred to in subparagraph (a) occurred, the transition period shall be set to 28 days following the completion of the event;
 - c) during the transition period mentioned in subparagraph (b), the clearing price shall be kept at the value of the harmonised maximum clearing price for SDAC before the adjustment and all events referred to in subparagraph (a) occurred during the transition period shall be ignored;
 - d) the bidding zones referred to in subparagraph (a) shall be only those bidding zones with cleared buy and sell volumes and those part of the fully coupled SDAC, excluding virtual zones and uncoupled bidding zones.
2. The harmonised minimum clearing price for SDAC shall be adjusted according to the following rules:
 - a) the harmonised minimum clearing price for SDAC shall be decreased by 100 EUR/MWh in the event that the clearing price, in at least one bidding zone, falls below a value of 70 percent of the harmonised minimum clearing price for SDAC in at least 2 market time units in at least 2 different days within 30 rolling days from the first low price;
 - b) after the event referred to in subparagraph (a) occurred, the transition period shall be set to 28 days following the completion of the event;



- c) during the transition period mentioned in subparagraph (b), the clearing price shall be kept at the value of the harmonised minimum clearing price for SDAC before the adjustment and all events referred to in subparagraph (a) occurred during the transition period shall be ignored;
 - d) the bidding zones referred to in subparagraph (a) shall be only those bidding zones with cleared buy and sell volumes and those part of the fully coupled SDAC, excluding virtual zones and uncoupled bidding zones.
3. The NEMOs shall transparently announce and publish the adjusted harmonised maximum and/or minimum clearing price for SDAC at least 21 days before its implementation and application in SDAC.
4. The NEMOs shall, at least every two years, reassess the HMMCP, share this assessment with market participants and consult it in relevant stakeholder forums organised in accordance with Article 11 of the CACM Regulation.

TITLE 3 **Final provisions**

Article 5 **Publication and implementation**

1. Following approval in accordance with paragraph (2), the NEMOs shall publish the HMMCP for SDAC methodology without undue delay.
2. The NEMOs shall implement the HMMCP for SDAC methodology in all bidding zones participating in the SDAC immediately after the decision has been taken by the EFTA Surveillance Authority in accordance with point 47(d) of Annex IV to the EEA Agreement and subject to and as soon as the Norwegian energy regulator, NVE-RME, has taken the subsequent decision on implementation in Norwegian law.

Article 6 Language disclaimer

The reference language for the HMMCP for SDAC methodology shall be English. For the avoidance of doubt, where NEMOs need to translate this HMMCP for SDAC into the national language(s) of the relevant regulatory authority, in the event of inconsistencies between the English version submitted in accordance with Article 9(6)(i) of the CACM Regulation and any version in another language, the English version prevails. The relevant NEMO(s) shall be obliged to dispel any inconsistencies by providing a revised version of this HMMCP for SDAC methodology to the relevant national regulatory authorities.