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**All NEMOs' proposal for products that can be taken  
into account by NEMOs in intraday coupling process in  
accordance with Article 53 of the Commission  
Regulation (EU) 2015/1222 of 24 July 2015 establishing  
a guideline on capacity allocation and congestion  
management**

~~13 November 2017~~ 31 May 2019

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All NEMOs, taking into account the following

## Whereas

### **Background**

- (1) This document is a common proposal developed by all Nominated Electricity Market Operators (hereafter referred to as “NEMOs”) for products that can be taken into account in the single intraday coupling (hereafter referred to as the “ID Products Proposal”) in accordance with Article 53 of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management (hereafter referred to as the “CACM Regulation”).
  - (2) In accordance with Article 53 of the CACM Regulation *“No later than 18 months after entry into force of this Regulation NEMOs shall submit a joint proposal concerning products that can be taken into account in the single intraday coupling. NEMOs shall ensure that all orders resulting from these products enable the MCO functions to be performed in accordance with Article 7 are expressed in euros and make reference to the market time and the market time unit. All NEMOs shall ensure that orders resulting from these products are compatible with the characteristics of cross-zonal capacity, allowing them to be matched simultaneously. All NEMOs shall ensure that the continuous trading matching algorithm is able to accommodate orders covering one market time unit and multiple market time units”*
  - (3) In accordance with Article 53 Paragraph 4 of the CACM Regulation *“By two years after the entry into force of this Regulation and every second subsequent year, all NEMOs shall consult in accordance with Article 12: (a) market participants to ensure that available products reflect their needs; (b) all TSOs, to ensure that the available products take into account operational security; (c) all regulatory authorities, to ensure that the available products comply with the objectives of this Regulation.”* All NEMOs shall amend the products if needed pursuant to the results of the consultation.
  - (4) The All NEMOs’ proposal for the ID Products Proposal shall be submitted to all regulatory authorities for approval by 18 months after the entry into force of the CACM Regulation – i.e. 14 February 2017. There is no obligation in the CACM Regulation for NEMOs to consult on the ID Products Proposal prior to submitting it to all regulatory authorities. However, NEMOs value stakeholder feedback on the proposals and have decided to consult.
  - (5) In accordance with the Whereas (14) of the CACM Regulation *“For efficiency reasons and in order to implement single day-ahead and intraday coupling as soon as possible, single day-ahead and intraday coupling should make use of existing market operators and already implemented solutions where appropriate, without precluding competition from new operators.”* the products proposed in the ID Products Proposal are based on the current coupling solutions, either implemented or under development and updated or amended where seen appropriate.
  - (6) NEMOs shall establish, consistent with the Market Coupling Operator (MCO) plan, through a NEMO Cooperation Agreement entered into by all NEMOs, a NEMO Committee and associated governance arrangements compliant with the CACM Regulation. Joint NEMO decisions and responsibilities regarding this ID Products Proposal shall be undertaken via the NEMO Committee and associated governance arrangements. As the introduction of any new or modified products may require an amendment to the continuous trading matching algorithm, any change shall be subject to the Change Management Principles established under the All NEMOs’ proposal for the price coupling algorithm and for the continuous trading matching algorithm (hereafter referred to as the “Algorithm Proposal”).
  - (7) This document includes provisions to support the ACER decision 1/2019 on establishing a single methodology for pricing Intraday Cross Zonal Capacity as set out in Article 55 of the
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CACM regulation. This ACER decision implies the implementation of intraday auctions (IDAs) and this ID Product Proposal provides a reference to which products may be supported in these intraday auctions.

***Impact on the objectives of CACM Regulation***

- (1) The proposed ID Products Proposal takes into account the general objectives of capacity allocation and congestion management cooperation described in Article 3 of the CACM Regulation.
  - (2) By mandating the availability of a wide range of products that NEMOs are able to make available to market participants as part of SIDC, the ID Products Proposal promotes effective competition in the generation, trading and supply of electricity. To ensure that the ID Products Proposal continues to promote effective competition, NEMOs shall consult market participants at least every two years to ensure that available products reflect their needs.
  - (3) As the orders resulting from the products are compatible with the characteristics of cross-zonal capacity, the ID Products Proposal helps to promote the optimal allocation of cross-zonal capacity and to ensure the optimal use of the transmission infrastructure. As all orders resulting from the available products shall be able to access the available cross-zonal capacity via the ID MCO Function, the ID Products Proposal provides for non-discriminatory access to cross-zonal capacity.
  - (4) The ID Products Proposal shall ensure operational security, as NEMOs are required to consult TSOs at least every two years to ensure that the available products take into account operational security. Moreover, if TSOs identify any challenge with respect to operational security they are entitled to request NEMOs to propose an amendment to the ID Products Proposal.
  - (5) The products listed in the ID Products Proposal shall be available for NEMOs to offer their respective market participants and are all compatible with SIDC. As a result, the ID Products Proposal ensures fair and non-discriminatory treatment of TSOs, NEMOs, the Agency, regulatory authorities and market participants. To ensure that the ID Products Proposal continues to promote fair and non-discriminatory treatment, NEMOs shall consult all parties at least every two years on the available products.
  - (6) In addition, any changes to the available products shall be managed in accordance with the Change Management Principles and process described in the Algorithm Proposal. These principles:
    - a. Provide an open, transparent, non-discriminatory way to manage Requests for Change, including stakeholder input where relevant;
    - b. Provide assurance that the performance of the continuous trading matching algorithm shall be maintained at acceptable levels now and over a reasonable period of time in the future, assuming plausible market growth and development;
    - c. Enable individual NEMO or TSO requests to be supported where this does not harm others or includes measures to mitigate any harm;
    - d. Establish a fair and efficient process that supports timely market development.
  - (7) By following the Change Management Principles and process described in the Algorithm Proposal when introducing any changes to the available products, NEMOs shall ensure that the ID Products Proposal respects the need for a fair and orderly market and fair and orderly price formation.
  - (8) The continuous trading matching algorithm always performs matching in compliance with the price-time-priority principle for the submitted orders for the different contracts. It means that orders with a better price limit are selected first. If two orders have the same limit price, the one with the older timestamp is selected first. This ensures fair and orderly price formation for all products.
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- (9) For each product type the same attributes (as listed in Article 2) shall be applied in all bidding zones. There will be no differentiation in order characteristics so as to ensure a fair market.
  - (10) NEMOs intend to cover all market needs with the available products to maximise liquidity on the coupled markets. To reach this aim, the order types in Article 2 are available.
  - (11) By requiring NEMOs to publish and maintain a detailed public description of the products supported for SIDC the ID Products Proposal shall ensure and enhance the transparency and reliability of information. Moreover, NEMOs shall involve all stakeholders in any consultation necessary to manage changes to the ID Products Proposal or the available products.
  - (12) The ID Products Proposal creates a level playing field for NEMOs as all products listed in the ID Products Proposal shall be available to all NEMOs, and any change to the products available products shall be governed by the Change Management Principles in the Algorithm Proposal.
  - (13) By consulting all parties at least every two years on the available products, all NEMOs shall ensure that the ID Products Proposal continues to contribute to the efficient long-term operation and development of the electricity transmission system and electricity sector in the Union.
  - (14) Each individual product can have an impact on the performance of the algorithm, depending on their actual usage and the actual composition of the orders. In particular, the impact on the performance of the algorithm depends on:
    - a. number of orders submitted of that product;
    - b. the specific values of the parameters specified in the orders submitted of that product, including prices and quantities;
    - c. its concurrent usage together with the other products and the TSO constraints.

#### *Article 1*

##### **Subject matter and scope**

1. The products accommodated in **continuous** SIDC as determined in this ID Product Proposal is the common proposal by all NEMOs in accordance with Article 53 of Regulation (EU) 2015/1222.
2. The products accommodated in SIDC auctions have been adapted in order to support ACER decision 1/2019 on ESTABLISHING A SINGLE METHODOLOGY FOR PRICING INTRADAY CROSSZONAL CAPACITY

#### *Article 2*

##### **Definitions**

***For the purposes of this proposal, the terms used shall have the meaning of the definitions included in Article 2 of Regulation 2015/1222, the other items of legislation referenced therein and MCO Plan. In addition, the following definitions shall apply:***

1. **Request for Change:** means a formal request by one or more Parties for any modification to be made to the continuous trading matching algorithm or to its usage in production.
2. **Scheduling Area:** means an area within which the TSOs' obligations regarding scheduling apply due to operational or organisational needs

#### *Article 3*

##### **General Requirements**

1. Each NEMO shall publish to market participants the list of the available products in the relevant NEMO's market rules.
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2. All orders resulting from these products submitted to the continuous trading matching algorithm shall be expressed in euros and make reference to the market **time for continuous SIDC and to the MTU for SIDC auctions**. NEMOs are entitled to arrange that orders submitted by market participants are expressed and settled in local currencies or euros.
  3. New or modified products are subject to a Request for Change which is subject to the Change Management Principles established in the Algorithm Proposal.

#### *Article 4*

#### **Continuous Single Intraday Coupling products**

1. On the **continuous** SIDC the transaction is taking place based on a set of characteristics which are defined in a contract. The contract refers to the instrument which is used by the market participants to enter into agreement to sell/buy a certain amount of energy having a predefined time of delivery. A product defines the guidelines ruling the generation of the contracts. The product is a template which is used as the standard for generating contracts with behaviour as defined in the product template. The relationship between the products and the contracts is that of 1 to 'n'. I.e. each product shall have multiple contracts and each contract shall belong to one and only one product.
  2. The continuous trading matching algorithm shall support the following products or the combination of this, which can be implemented according to the Change Management Principles and process described in the Algorithm Proposal:
    - a) Hourly: the product supports trading in 24 power contracts, one for each hour of the calendar day. The system automatically generates these contracts and makes them available for trading one day before the delivery day at a specified time.
    - b) Half-hourly: the product supports trading in 48 power contracts, one for each half-hour of the calendar day. The system automatically generates these contracts and makes them available for trading one day before the delivery day at a specified time.
    - c) Quarter-hourly: the product supports trading in 96 power contracts, one for each 15-min slot of the calendar day. The system automatically generates these contracts and makes them available for trading one day before the delivery day at a specified time.
    - d) User defined blocks: these are on-demand combinations of hourly, half-hourly or quarter-hourly contracts defined by the market participant. The delivery period of user defined blocks must always be coverable by multiple regular market contracts of the product and with consecutive delivery times, which must be executed together. A user-defined block order cannot be an iceberg order.
  3. The continuous trading matching algorithm shall support the following order execution restrictions:
    - a) NON - An order submitted with the execution restriction NON (None) is either executed immediately or, if the order can't be matched right away, entered into the order book. Partial order executions are allowed and NON orders can be executed against multiple other orders and create multiple trades.
    - b) Fill or Kill (FOK) - the order is either fully traded at one point immediately after the order is submitted with its full quantity or deleted without entry in the order book. FOK orders can be matched against multiple existing orders in the order book. FOK orders cannot have a validity restriction.
    - c) Immediate or Cancel (IOC) - the order is either traded (in any amount) at one point immediately after the order is submitted or, if the order can't be matched, deleted without
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- entry in the order book. Partial executions are allowed and IOC orders can be executed against multiple other orders and create multiple trades. An order with execution restriction IOC cannot have a validity restriction.
- d) All or Nothing – (AON) - An order submitted with the execution restriction AON is either executed against exactly one other order with its full quantity or entered into the order book. Partial executions are not allowed. The execution restriction AON is only allowed for orders in the user-defined market.
4. The continuous trading matching algorithm shall support the following order validity restrictions:
- a) Good for session (GFS) – the time validity of the order is determined by the validity of the corresponding trading session of the order. The order is pulled out of the trading automatically the defined time validity of the corresponding trading session passes.
  - b) Good till date (GTD) – the time validity of the order is defined by date and time. The order is pulled out of the trading automatically the defined time validity passes.
5. The continuous trading matching algorithm shall support the following order types:
- a) Regular orders (also known as Limit orders): buy or sell orders with a specified quantity and price, where buy orders can be executed at that price or lower and sell orders can be executed at that price or higher. Regular orders for the predefined market can be entered with the execution restrictions NON, FOK or IOC. Regular orders for the user-defined market always have the execution restriction AON. All regular Orders can be entered with the validity restrictions GFS or GTD.
  - b) Linked Orders: in case linked order submission either all orders can be fully executed or no order will be executed. A group of orders can only be submitted with this submission restriction if it contains orders only with the execution restriction FOK and if all orders were entered for the same NEMO Trading hub.
  - c) Iceberg Orders are regular orders which are only visible with part of their total quantity in the market, while their full quantity is available to the market for matching. Part of the hidden quantity shall be disclosed for trading as soon as the part that had already been disclosed has been executed.
6. The Intraday System shall automatically generate tradable commodity contracts based on product definition.
7. Daylight saving times (23 and 25 hours) shall be implemented in case of Single Intraday Coupling products.
8. Products shall be made available for trading per scheduling area, thus relevant NEMOs shall define set of products tradable in each scheduling area.
9. All products shall support trading is in EUR and MW.
10. The usage and parameterisation of any individual product is a decision of each individual NEMO, subject, to the extent it has an impact on the continuous trading matching algorithm performance, to the application of the Change Management Principles established under the Algorithm Proposal.

#### **Article 5**

#### **Single Intraday Coupling Auction products**

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1. On the SIDC auction the ID auction algorithm shall support the same products defined in article 4, “Single Day Ahead Coupling Products” in the products proposal for SDAC, with the following exceptions:
    - a) PUN order shall not be supported

#### Article 6

##### ***Timescale for implementation***

1. Upon approval of the ID Products Proposal, each NEMO shall publish it on the internet in accordance with Article 9(14) of CACM Regulation.
2. The NEMOs shall implement the ID Products Proposal with respect to the implementation of the continuous SIDC immediately after the approval by the NRAs and with respect to the operation of the continuous SIDC immediately after the MCO function has been implemented in accordance with the approved MCO Plan in-line with Article 7(3) of the CACM Regulation.
3. The NEMOs shall implement the ID Products Proposal with respect to the implementation of SIDC auctions defined in the Algorithm Methodology

#### Article 7

##### **Language**

1. The reference language for this proposal shall be English. For the avoidance of doubt, where NEMOs need to translate this proposal into their national language(s), in the event of inconsistencies between the English version published by the NEMOs in accordance with Article 9(14) of the CACM Regulation and any version in another language, the relevant NEMOs shall be obliged to dispel any inconsistencies by providing a revised translation of this proposal to their relevant national regulatory authorities.
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