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**All TSOs' proposal on list of standard products for balancing  
capacity for frequency restoration reserves and replacement  
reserves pursuant to Article 25(2) of  
Commission Regulation (EU) 2017/2195 of 23 November 2017  
establishing a guideline on electricity balancing**

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**18 December 2019**

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## ALL TSOS, TAKING INTO ACCOUNT THE FOLLOWING:

### Whereas

- (1) This document is a common proposal developed by all Transmission System Operators (hereafter referred to as ‘TSOs’) regarding the list of standard products for balancing capacity for frequency restoration reserves and replacement reserves pursuant to Article 25(2) of the Regulation (EU) 2017/2195 establishing a guideline on electricity balancing (hereafter referred to as the ‘**EB Regulation**’). This proposal is hereafter referred to as the ‘**SPBC proposal**’.
- (2) The SPBC proposal takes into account the general principles and goals set in the EB Regulation, Regulation (EU) 2017/1485 establishing a guideline on electricity transmission system operation (hereafter referred to as the ‘**SO Regulation**’), Regulation (EU) 2019/943 of the European Parliament and of Council of 5 June 2019 on the internal market for electricity (recast) (hereafter referred to as the ‘**Electricity Regulation**’).
- (3) The goal of the EB Regulation is the integration of balancing markets. To facilitate this goal, it is necessary to develop implementation frameworks for European platforms for balancing energy exchange from frequency restoration reserves with automatic and manual activation, replacement reserves and imbalance netting process pursuant to Article 19 to 22 of the EB Regulation. Additionally, Article 25 of the EB Regulation formulates the standard products for balancing capacity.
- (4) In accordance with Article 25(4) of the EB Regulation, the list of standard products for balancing energy and balancing capacity may set out at least preparation period, ramping period, full activation time, minimum and maximum quantity, deactivation period, minimum and maximum duration of delivery period, validity period and mode of activation of a standard product bid. In addition, in accordance with Article 25(5) of the EB Regulation, this list shall set out at least price of the bid, divisibility, location and minimum duration between the end of deactivation period and the following activation as the variable characteristics of a standard product to be determined by the balancing service providers during the prequalification or when submitting the standard product bid.
- (5) In accordance with Article 25(6) of the EB Regulation, standard products for balancing energy and balancing capacity shall: ensure an efficient standardisation, foster cross-border competition and liquidity, and avoid undue market fragmentation as well as facilitate the participation of demand facility owners, third parties and owners of power generating facilities from renewable energy sources as well as owners of energy storage units as balancing service providers.
- (6) Article 16(8) of the EB Regulation specifies that *“for each product for balancing capacity, the reserve providing unit, the reserve providing group, the demand facility or the third party and the associated balance responsible parties, shall belong to the same scheduling area.”*
- (7) Article 32(3) of the EB Regulation defines the procurement rules, requiring that *“the procurement of upward and downward balancing capacity for at least the frequency restoration reserves and the replacement reserves shall be carried out separately.”*
- (8) The EB Regulation recital (9) states that *“each balancing service provider intending to provide balancing energy or balancing capacity should successfully pass a qualification process defined by the TSOs in close cooperation with DSOs where necessary.”*

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- (9) The SPBC proposal fulfils the objectives stated in Article 3 of the EB Regulation as follows:
- (a) The SPBC proposal fulfils the requirements of Article 25(2) of the EB Regulation by specifying a list of standard products for balancing capacity for frequency restoration reserves and replacement reserves.
  - (b) The SPBC proposal contributes to the efficiency, competition and integration of balancing markets by defining the list of standard products for balancing capacity for frequency restoration reserves and replacement reserves, including the respective bid parameters.
  - (c) The SPBC proposal is non-discriminatory as it applies the same rules for all TSOs and BSPs. In particular, the standard product for balancing capacity does not differ between technologies.
  - (d) The SPBC proposal contributes to operational security and considers the agreed European standards and technical specification by fulfilling the SO Regulation and its supporting documents.
  - (e) In conclusion, the SPBC proposal meets the objectives of the EB Regulation.

**SUBMIT THE FOLLOWING SPBC PROPOSAL TO THE AGENCY FOR THE COOPERATION OF ENERGY REGULATORS:**

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## **Article 1**

### **Subject matter and scope**

- (1) The SPBC proposal is the common proposal of all TSOs in accordance with Article 25(2), Article 25(4) and Article 25(5) of the EB Regulation.
- (2) The SPBC proposal defines the requirements of standard product for balancing capacity for frequency restoration reserves with automatic activation (hereafter referred to as “aFRR”), frequency restoration reserves with manual activation (hereafter referred to as “mFRR”) and replacement reserves (hereafter referred to as “RR”).
- (3) This proposal applies solely for the requirements for standard product for balancing capacity from RR, mFRR and aFRR. The prequalification process, TSO-BSP settlement, monitoring and other obligations related to procurement of standard product for balancing capacity bids from RR, mFRR and RR and related to standard products for balancing energy in accordance with the EB Regulation and the SO Regulation are out of the scope of this SPBC proposal and will be treated in separate documents.

## **Article 2**

### **Definitions and interpretation**

- (1) For the purposes of the SPBC proposal, the terms used shall have the meaning given to them in Article 2 of the Electricity Regulation, Article 3 of the SO Regulation and Article 2 of the EB Regulation.
- (2) In addition, in the SPBC proposal the following terms shall apply:
  - (a) ‘balancing capacity validity period’ means the period for which the single standard product for balancing capacity bid (i.e. each submitted capacity volume has one single bid price) is offered and for which the accepted standard product for balancing capacity bid could be activated as standard balancing energy bid where all the characteristics of the standard balancing energy product are respected. The balancing capacity validity period is defined by a start time and an end time.
  - (b) ‘standard aFRR balancing capacity product’ means the standard product for balancing capacity from frequency restoration reserves with automatic activation;
  - (c) ‘standard mFRR balancing capacity product’ means the standard product for balancing capacity from frequency restoration reserves with manual direct activation;
  - (d) ‘standard RR balancing capacity product’ means the standard product for balancing capacity from replacement reserves;
- (3) In the SPBC proposal, unless the context requires otherwise:
  - (a) the singular indicates the plural and vice versa;
  - (b) headings are inserted for convenience only and do not affect the interpretation of the SPBC proposal;
  - (c) any reference to legislation, regulations, directives, orders, instruments, codes or any other enactment shall include any modification, extension or re-enactment of it when in force; and
  - (d) any reference to an article without an indication of the document shall mean a reference to the SPBC proposal.

## **Article 3**

### **General principles**

- (1) For each contracted standard RR balancing capacity product, each BSP shall provide corresponding capacity in the form of integrated scheduling process bids or standard RR balancing energy product

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bid(s), defined in all TSOs' proposal for the implementation framework for a European platform for the exchange of balancing energy from RR pursuant to Article 19 of the EB Regulation.

- (2) For each contracted standard mFRR balancing capacity product, each BSP shall provide corresponding capacity in the form of integrated scheduling process bids or standard mFRR balancing energy product bid(s), defined in all TSOs' proposal for the implementation framework for a European platform for the exchange of balancing energy from mFRR pursuant to Article 20 of the EB Regulation. Such bids shall be for direct activation, provided that the delivery period does not exceed the end of the last validity period for which the BSP is contracted.
- (3) For each contracted standard aFRR balancing capacity product, each BSP shall provide corresponding capacity in the form of integrated scheduling process bids or standard aFRR balancing energy product bid(s), defined in all TSOs' proposal for the implementation framework for a European platform for the exchange of balancing energy from aFRR pursuant to Article 21 of the EB Regulation.
- (4) Each TSO applying a central dispatching model shall use integrated scheduling process bids for the exchange of balancing capacity or sharing of reserves pursuant to Article 27(1) of the EB Regulation and convert as far as possible the integrated scheduling process bids to the standard product for balancing capacity bids if TSO exchanges balancing capacity or shares reserves for a given type of standard product for balancing capacity.
- (5) Each connecting TSO is responsible for the prequalification for the provision of standard product for balancing capacity of the reserve-providing units and/or reserve-providing group in the LFC Area under its responsibility including LFC areas consisting of more than one TSO or with a designated TSO according to article 159(5) of SO Regulation.
- (6) Each balancing service provider intending to provide standard product for balancing capacity shall successfully have passed a qualification process defined by the connecting TSO pursuant to Article 16 of the EB Regulation and processed pursuant to Article 159 and Article 162 of the SO Regulation.
- (7) In case of the TSO applying a central dispatching model and if TSO exchanges balancing capacity or shares reserves, the rules for converting integrated scheduling process bids to standard product for balancing capacity bids shall be defined in the terms and conditions for BSPs pursuant to Article 18 paragraph 8.d of the EB Regulation.

#### **Article 4**

##### **Characteristics of standard product for balancing capacity**

All standard products for balancing capacity shall have the following characteristics, to be defined by TSOs jointly procuring standard product for balancing capacity for exchanging balancing capacity or sharing of reserves in accordance with Annex 1:

- (a) the balancing capacity validity period;
- (b) the direction of the capacity: upward or downward;
- (c) the minimum duration between the end of deactivation period and the following activation.

## **Article 5**

### **General provision for standard product for balancing capacity bid**

- (1) Each standard product for balancing capacity bid submitted by each BSP shall fulfil the following characteristics:
  - (a) The standard product for balancing capacity bid price shall be submitted in (EUR/MW)/h and has a resolution of 0.01 (EUR/MW)/h;
  - (b) The price of each bid shall be positive or zero and the payment shall be from TSO to BSP;
  - (c) The minimum bid quantity and granularity shall be 1 MW;
  - (d) For indivisible bids, the bid quantity shall not exceed the value defined by the TSOs exchanging balancing capacity or sharing of reserves;
  - (e) The location shall be at least the smallest of LFC Area or bidding zone in which the providing units and/or providing groups are connected to. More detailed locational information may be required in terms and conditions for BSPs pursuant to Article 18(5) of the EB Regulation.
- (2) Each standard product for balancing capacity bid submitted by each BSP shall contain at least:
  - (a) The volume of the bid in MW;
  - (b) The price of the bid;
  - (c) The minimum duration between the end of deactivation period and the following activation;
  - (d) Volume divisibility: divisible with a minimum granularity of 1 MW or indivisible bids;
  - (e) The location.
- (3) A TSO may define additional characteristics of standard products for balancing capacity bids. In case two or more TSOs jointly procure balancing capacity for the exchange of balancing capacity or sharing of reserves, all additional characteristics of the jointly procured products shall be harmonised between such TSOs.
- (4) In case of the TSO applying a central dispatching model, all characteristics of the standard product for balancing capacity bid may be determined by the connecting TSO based on integrated scheduling process bids submitted by BSPs following the rules for converting bids in a central dispatching model into standard product for balancing capacity bids pursuant to Article 27 of the EB Regulation.

## **Article 6**

### **Implementation timeline**

The SPBC Proposal shall be considered implemented when the Agency for the Cooperation of Energy Regulators has approved the SPBC Proposal in accordance with Article 5(2) of Regulation (EU) 2019/942 of the European Parliament and of the Council of 5 June 2019 establishing a European Union for the Cooperation of Energy Regulators (hereafter referred to as the 'ACER Regulation').

## **Article 7**

### **Publication of the SPBC proposal**

All TSOs shall publish the SPBC proposal without undue delay after a decision has been adopted by the Agency for the Cooperation of Energy Regulators in accordance with Article 5(2) of the ACER Regulation or after all TSOs submit an amended proposal under request of one or several regulatory authorities, in

accordance with Article 6(1) of the EB Regulation, or on their own initiative, in accordance with Article 6(3) of the EB Regulation.

### **Article 8**

#### **Language**

The reference language for the SPBC proposal shall be English. For the avoidance of doubt, where TSOs need to translate the SPBC proposal into their national language(s), in the event of inconsistencies between the English version published by TSOs in accordance with Article 7 of the EB Regulation and any version in another language, the relevant TSOs shall be obliged to dispel any inconsistencies by providing a revised translation of the SPBC proposal to their relevant national regulatory authorities.



## Annex 1

### List of standard products for balancing capacity

RR Product	#1	#2	#3	#4	#5
Balancing Capacity Validity period	15 minutes	1 hour	4 hours	1 day	1 week
The minimum duration between the end of deactivation period and the following activation	0 minutes				
Direction	Upward or downward				

mFRR Product	#1	#2	#3	#4	#5	#6	#7
Balancing Capacity Validity period	15 minutes		1 hour		4 hours	1 day	1 week
The minimum duration between the end of deactivation period and the following activation	0	0-8 hours	0	0-8 hours	0	0	0
Direction	Upward or downward						

aFRR Product	#1	#2	#3	#4	#5
Balancing Capacity Validity period	15 minutes	1 hour	4 hours	1 day	1 week
The minimum duration between the end of deactivation period and the following activation	0 minutes				
Direction	Upward or downward				