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# Proposal for amendment to Elia's LFC block operational agreement

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May 16, 2022

*Version for public consultation*

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THE BELGIAN TRANSMISSION SYSTEM OPERATOR, TAKING INTO ACCOUNT THE FOLLOWING,

**Whereas**

1. Pursuant to Article 6(3)e and Article 119(1) of Commission Regulation (EU) 2017/1485 of 2 August 2017 establishing a guideline on electricity transmission system operation (hereinafter "SOGL"), Elia submitted a proposal regarding the Elia LFC block operational agreement (hereinafter "LFCBOA") to the relevant regulatory authority, the Commission for the Regulation of Electricity and Gas (hereinafter "CREG") for approval. The CREG approved this initial proposal on 27 May 2019. The latest proposal for amendment has been approved by the CREG on 10 February 2022.
2. Pursuant to Article 7(4) of the SOGL, the CREG has requested Elia Transmission Belgium (hereafter referred to as "Elia") to develop a proposal to amend the aFRR dimensioning method and submit this for approval to the CREG, after consultation of the market.
3. Following this request and in accordance with Article 7(4) of the SOGL, Elia, in its capacity as responsible for drawing up a proposal for conditions or methodologies, has developed a proposal to update of the calculation of the aFRR needs.
4. This document is a proposal for amendment developed by Elia regarding the methodologies and conditions included in the LFCBOA for the Elia LFC block.
5. Elia consults the stakeholders on the draft proposal in accordance with Article 11 of the SOGL from May 16, 2022 until June 16, 2022.

SUBMITS THE FOLLOWING PROPOSAL FOR APPROVAL TO THE CREG:

## **Article 1. Timing for implementation**

Article 2 is adapted to specify the timing of implementation of this proposal, as well as update the implementation planning of the paragraphs approved in the previous version of the LFCBOA and still subject to implementation. The article is replaced by:

1. *Article 9 will enter into force one week after the approval of the CREG.*
2. *As already approved by CREG on February 10, 2022 (Decision B2344), Article 7, Article 12, Article 13 and Article 14 of the LFCBOA will enter into force together with the entry into force of the next version of the Terms and Conditions for balancing service providers for Frequency Restoration Reserve with manual activation (mFRR), hereafter referred to as T&C BSP mFRR.*

## **Article 2. Determination of the ratio of automatic FRR and manual FRR**

Article 9 is adapted to update the calculation of the aFRR needs by means of a static probabilistic calculation method. The article is replaced by:

1. *Pursuant to Article 157(2)c of the SOGL, the TSO of a LFC block shall determine the ratio of automatic FRR (hereafter referred to as aFRR), manual FRR (hereafter referred to as mFRR), the aFRR full activation time and mFRR full activation time in order to comply with the requirement of Article 157(2)b of the SOGL.*
  - a. *Elia determines the automatic FRR full activation time and manual FRR full activation time in Article 14.*
  - b. *The required reserve capacity for FRR is determined by means of the probabilistic methodology described in Article 8(2).*
2. *The aFRR needs are determined based on historic observations of LFC block imbalance variations after taking into account the imbalance netting process. For every period of 15 minutes, the LFC block imbalance after imbalance netting is calculated as the absolute value of the sum of the observed LFC block imbalance and the observed net IGCC import. The observations are based on historical records of two years of LFC Block imbalance values (from January 1, 2020 to December 31, 2021) with a resolution of 15 minutes.*
3. *The variations are determined as the difference in LFC block imbalances after imbalance netting over two subsequent periods of 15 minutes. The required positive and negative (symmetric for both directions) reserve capacity on aFRR is determined to cover 79% of the absolute LFC block imbalance variations after imbalance netting.*
4. *Based on paragraph 2 and 3, the aFRR needs are determined at 117 MW.*
5. *Elia will present in a next version of the LFC BOA a new methodology to assess the aFRR needs. While awaiting the implementation of this new methodology, Elia will fix the symmetric aFRR needs at the value determined in paragraph 4.*

6. *Pursuant to Article 157(2)b of the SOGL, Elia ensures to respect the current FRCE target parameters in Article 128 of the SOGL. This analysis is conducted on the reporting on FRCE quality as specified in Article 11. This analysis is conducted every year in the first trimester in line with Article 157(2)a of the SOGL.*
  
7. *Elia determines the required positive and negative reserve capacity on mFRR each day before 7 AM for every period of 4 hours of the next day as the difference between the required positive and negative reserve capacity on FRR and aFRR.*