

Annex I: First amendment of the ENTSO-E Monitoring Plan in accordance with Article 63(2) of Commission Regulation (EU) 2017/2195 of 23 November 2017 establishing a Guideline on Electricity Balancing

# First amendment of ENTSO-E Monitoring Plan in accordance with Article 63(2) of Commission Regulation (EU) 2017/2195 of 23 November 2017 establishing a Guideline on Electricity Balancing

28 November 2024

## Version

## Date

Initial

6 June 2018

Amended on ACER Opinion 12/2019

27 September 2019

All TSOs amendment

28 November 2024

# Amended ENTSO-E Monitoring Plan

## Table of Contents

<b>1.</b>	<b>Introduction</b>	<b>3</b>
<b>2.</b>	<b>General overview of reporting obligations pursuant to EB Regulation</b>	<b>4</b>
<b>3.</b>	<b>Reporting obligations from the EB Regulation methodologies</b>	<b>5</b>
	<b>Annex 1 – Detailed description of the EB Regulation related reporting</b>	<b>8</b>
	<b>Annex 2 – Scope: List of Countries</b>	<b>21</b>

# Amended ENTSO-E Monitoring Plan

## 1. Introduction

On 6 June 2018, in accordance with Article 63(2) of the Commission Regulation (EU) 2017/2195 of 23 November 2017 establishing a guideline on electricity balancing (hereafter referred to as “EB Regulation”), ENTSO-E submitted to ACER a monitoring plan (hereafter referred to as ‘ENTSO-E Monitoring Plan’). The ENTSO-E Monitoring Plan considers all the obligations required by the EB Regulation and derived from its implementation.

This amendment of the ENTSO-E Monitoring Plan considers the European Union Agency for the Cooperation of Energy Regulators (ACER)’s opinion (No 12/2019) received on 21 May 2019. Based on ACER concerns, this document further clarifies how ENTSO-E will perform its monitoring tasks in accordance with the EB Regulation. Beside this, Article 59(9) of EB Regulation stresses that *“after the deadlines by which all TSOs shall use the European platforms pursuant to Articles 19(5), 20(6), 21(6) and 22(5), all TSOs shall review the content and conditions of publication of the reports. Based on the outcome of that review, ENTSO-E shall develop a proposal for a new structure and timing for the publication of the reports and submit it to the Agency. The Agency shall be entitled to require amendments within three months after the submission of the proposal.”*

At the time of writing, the European platforms pursuant to Articles 19(5), 20(6), 21(6) and 22(5) are live. Therefore, as set out in Article 59(9) EB Regulation and based on experience, ENTSO-E intends to adapt this ENTSO-E Monitoring Plan in cooperation with ACER. Such changes may also be needed to reflect the monitoring required by other Regulations establishing network codes/guidelines due to interdependencies of the deliverables required by them.

This revised ENTSO-E Monitoring plan aligns the TSO monitoring and reporting obligations pursuant to EB Regulation and its underlying methodologies.

The document is structured as follows: section 2 gives a general overview of all the monitoring and reporting obligations, and section 3 (and associated Annex 1) provides the details on the monitoring reports.

The terms used in this document have the meaning of the definitions included in Article 2 of the EB Regulation.

## 2. General overview of reporting obligations pursuant to EB Regulation

Table 1 depicted below summarises the legal reporting obligations pursuant to EB Regulation, the name of the report, the first submission and the frequency of submission. See also Annex I for complementary detailed information regarding the reporting obligations pursuant to EB Regulation.

Legal basis	Topic	First submission	Frequency of submission
Article 23(1)	<b>EB Cost report (see Annex I):</b> All TSOs shall report on costs of establishing, amending, and operating the European Platforms	30 June 2021	Yearly
Article 59(2)(a)	<b>Detailed 'Balancing Report' (European Balancing Report) (see Annex I):</b> ENTSO-E report on the integration of balancing market (detailed 'Balancing Report')	30 June 2020	Biyearly
Article 59(2)(b)	<b>Shorter 'Balancing Report' (European Market Report) (see Annex I):</b> ENTSO-E Balancing report on the integration of balancing market (shorter 'Balancing Report')	30 June 2021	Biyearly
Article 60	<b>TSO reports on balancing (see Annex I):</b> All Member States and their TSOs, and those European countries having implemented Union electricity market legislation shall provide an individual TSO report on balancing. Other countries not yet having implemented Union electricity market legislation may voluntarily contribute to monitoring and reporting.	30 June 2020	Biyearly

Table 1 - Reporting obligations pursuant to EB Regulation

## Amended ENTSO-E Monitoring Plan

### 3. Reporting obligations from the EB Regulation methodologies

#### 3.1. Reporting obligations pursuant to the implementation frameworks

**Table 2** (below) summarises the legal reporting obligations pursuant to the Implementation Frameworks (IFs) derived from the EB Regulation. The table is divided into the legal basis of the reporting obligations, the topic, the first submission of the report and the required frequency of submission. Detailed explanation of the different Topics can be found in Annex 1 – Reporting obligations from IF according to Articles 19(1) (Replacement Reserves (RR) IF), 20(1) (Automatic Frequency Restoration Reserve (aFRR) IF) and 21(1) (Manual Frequency Restoration Reserve (mFRR) IF) of the EB Regulation (see also Annex I for complementary detailed information about Reporting obligations pursuant to the implementation frameworks).

Legal basis	Topic	First submission	Frequency of submission
Article 5(4) aFRR / mFRR IF	Accession roadmaps of the European balancing platforms (see Annex I, 3.1.a)	April 2020	Every 6 months
Article 13(1) aFRR IF	European balancing platforms' implementation and operation monitoring report (see Annex I, 3.1.b)	February 2024	Yearly
Article 13(1) mFRR IF	European balancing platforms' implementation and operation monitoring report (see Annex I, 3.1.b)	May 2024	Yearly
Article 21(3) aFRR/mFRR IF, Article 19(3) of IN IF	Publication of algorithm description (see Annex I, 3.1.c)	April 2022	One month before go-live of the respective platform and further updated if necessary
Article 15 aFRR/mFRR IF, Article 11 IN IF	Annual work programme of the European balancing platforms (see Annex I, 3.1.d)	First submission to ACER and NRAs: September 2023	Yearly
Article 13(7) aFRR/mFRR	Efficiency and effectiveness assessment of the	First publication: after implementation of CMM/CMF	Biyearly

## Amended ENTSO-E Monitoring Plan

IF, Article 18(2) IN IF	European balancing platforms (see Annex I, 3.1.e)		
Article 13(3) aFRR IF	Comparison of alternative control models for aFRR platform (see Annex I, 3.2.a)	Publication: 24 months after implementation deadline of aFRR platform (as a number of Participating TSOs is still limited the implementation deadline is understood as 24 July 2024)	Only one submission required
Article 13(3) mFRR IF	Evaluation of the impact of scheduled counter-activations at mFRR platform (see Annex I, 3.b)	Publication: 36 months after implementation deadline of mFRR platform	Only one submission required
Article 13(4) mFRR IF	Study on rejection of bids in the AOF of the mFRR platform (see Annex I, 3.2.c)	Publication: 36 months after implementation deadline of mFRR platform	Only one submission required
Article 15(2) RR IF	TERRE evaluation of operation aspects of the RR-Platform	Expected Q1 2025	Monthly and yearly basis
Article 15(13) RR IF	TERRE monitoring report on counter-activations <sup>1</sup>	Expected Q1 2025	Yearly

Table 2 - Reporting obligations pursuant to the Implementation Frameworks

### 3.2. Reporting obligations pursuant to the Pricing Methodology

**Table 3** (below) summarises the legal reporting obligations pursuant to the Pricing Methodology derived from Article 30 of the EB Regulation. The table is divided into the legal basis of the reporting obligations, the topic, the first submission of the report and the required frequency of submission.

Legal basis	Topic	First submission	Frequency of submission
Article 11(3)	All TSOs Quarterly report on the pricing of balancing energy and cross-border capacity	7 December 2022	Quarterly
Article 11(4)	All TSOs price incident reports on price spikes at the	June 2022	Incident-based

<sup>1</sup> The TERRE platform will be decommissioned in December 2025; therefore, the reports will no longer be required.

## Amended ENTSO-E Monitoring Plan

	European balancing platforms (TERRE; MARI and PICASSO)		
Article 11(5)	All TSOs long-term assessment of the functioning of the European balancing markets	Publication: 36 months after the implementation deadline of the European balancing platforms	Only one submission required
Article 10(8)	TSOs reassessment of the harmonised maximum and minimum balancing energy prices to the so-called “price limits”, and consultation with stakeholders in forums	Latest 24 months after the implementation deadline of the European balancing platforms	Every two years, under the Detailed ‘Balancing Report’

Table 3 - Reporting obligations pursuant to Pricing Methodology.

### 3.3. Reporting obligations pursuant to the harmonised cross-zonal capacity allocation methodology

**Table 4** (below) summarises the legal reporting obligations pursuant to the Harmonised Cross-Zonal Capacity Allocation Methodology derived from Article 38 of the EB Regulation. The table is divided into the legal basis of the reporting obligations, the topic, the first submission of the report and the required frequency of submission.

Legal basis	Topic	First submission	Frequency of submission
Article 26(12)	All TSOs cross-zonal capacity welfare report	First publication: 14 months after implementation of Cross-Zonal Capacity Allocation Optimisation Function Software (CZCAOF) software	Yearly

Table 4 - Reporting obligations pursuant the Harmonised Cross-Zonal Capacity Allocation Methodology

### 3.4. Reporting obligations pursuant to the Imbalance Settlement Harmonisation Methodology



## Amended ENTSO-E Monitoring Plan

**Table 5** (below) summarises the legal reporting obligations pursuant to the Imbalance Settlement Harmonisation Methodology derived from Article 52 of the EB Regulation. The table is divided into the legal basis of the reporting obligations, the topic, the first submission of the report and the required frequency of submission.

Legal basis	Topic	First submission	Frequency of submission
Article 12(3)	Assessment of the need for further harmonisation of the imbalance settlement	First publication: 24 months after the implementation deadline of the European Platforms for the exchange of balancing energy.	Only one submission required
Article 12 (3)	Final assessment of the need for further harmonisation of the imbalance settlement	One year after initial report: following the publication of the initial assessment, and consultation with stakeholders.	Only one submission required

Table 5 - Reporting obligations pursuant the Imbalance Settlement Harmonisation Methodology

### 3.5.Alignment of reporting periods of all reporting obligations

TSOs aim to further align the covered period of all reporting obligations. As a result, on here onwards, the period considered for all performance indicators associated to all reporting obligations will be the calendar year (1 January to 31 December). To converge towards a calendar year, in a transient period it might be considered a broader period of time.

TSOs will also aim to align all drafting sections to consider the period of May Year-1 to May Year.

## Annex 1 – Detailed description of the EB Regulation related reporting

The Annex encompasses a detailed description of the reporting obligations mentioned in the ENTSO-E Monitoring Plan. The following subsections detail the monitoring content and approach for each deliverable, including successive information:

- the deliverables;
- the content/scope of the deliverables;
- the frequency of publication;
- the recipients of the deliverables;
- the action required; and

## Amended ENTSO-E Monitoring Plan

- any external parties which will be involved during preparation.

### 4. European Reports – Article 59(2)

#### 4.1. Detailed edition – Article 59(2)(a)

The content of the *European Balancing Report* (Art. 59) and the Monitoring Report (Art. 63) is not clearly distinguished in the EB Regulation. As an example, both reports should address and describe the progress made in terms of harmonisation and integration of balancing markets (Articles 59(3)(a) and 63(1)(b)). Therefore, ENTSO-E has combined these two reports into one ENTSO-E report which shall be published as the ENTSO-E European Balancing Report (detailed edition) in even years including the executive summaries from the national balancing reports as well as the Balancing Performance Indicators (hereinafter "Balancing PIs"). In addition, the summarised content of the European Balancing Report is included in the Balancing Section of the ENTSO-E European Market Report (short edition) in odd years.

Dimension	Description
Deliverable	<b>Balancing Report (detailed edition)</b>
Description of the content	<ul style="list-style-type: none"> <li>• For those TSOs that shall submit 'TSO report on balancing' pursuant to Article 60 of the EB Regulation, the Executive Summary shall be based on the information provided on thereof report and cover the following aspects: <ul style="list-style-type: none"> <li>○ Terms and conditions for BSPs, in accordance with Article 18(5) of the EB Regulation</li> <li>○ Terms and conditions for BRPs, in accordance with Articles 18(6) and 18(7) of the EB Regulation</li> <li>○ Definition of specific products and of the time period they were used, in accordance with Article 26(1)(a) of the EB Regulation</li> <li>○ Where applicable, the description of the additional settlement mechanism, separated from the imbalance settlement, used to settle the procurement costs of balancing capacity, administrative costs and other costs related to balancing, in accordance with Article 44(3) of the EB Regulation.</li> </ul> </li> <li>• Assessment of the compatibility between the implementation projects and investigation of any possible developments that pose a risk for future integration, pursuant to Article 59(3)(c) of the EB Regulation;</li> <li>• Analysis of the development of the exchanges of balancing capacity and the sharing of reserves and description of possible barriers, prerequisites and actions to enhance further the exchange of</li> </ul>

## Amended ENTSO-E Monitoring Plan

	<p>balancing capacity and the sharing of reserves, pursuant to Article 59(3)(d) of the EB Regulation;</p> <ul style="list-style-type: none"> <li>• Description of the existing and analysis of the potential exchanges of balancing services, pursuant to Article 59(3) of the EB Regulation;</li> <li>• Analysis of the suitability of standard products with respect to the latest development and evolution of different balancing resources, and proposal for possible improvements of standard products, pursuant to Article 59(3)(f) of the EB Regulation;</li> <li>• Assessment of the need for further harmonisation of standard products, and possible effects of non-harmonisation on the integration of balancing markets, pursuant to Article 59(3)(g) of the EB Regulation;</li> <li>• Updated performance indicators. <ul style="list-style-type: none"> <li>○ All the data will be coordinated and prepared within the different sources of data (e.g. individual TSOs, balancing energy platforms, ETP). The data collection process will be explained as accompanying information, which will complete the description of the data when included in each report.</li> </ul> </li> </ul>
<b>Frequency</b>	Every even year
<b>Recipient</b>	ACER, and published on ENTSO-E website.

### 4.2. Short edition – Article 59(2)(b)

Every odd year, the Balancing PIs together with a shorter balancing section are reported in the annual *European Market Report*.

Dimension	Description
<b>Deliverable</b>	<b>European Market Report (Balancing sections, short edition)</b>
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>• Summary of different balancing processes, from both regulatory and technical point of view.</li> <li>• Updated PIs. <ul style="list-style-type: none"> <li>○ All the data will be coordinated and prepared within the different sources of data (e.g. individual TSOs, balancing energy platforms, ETP). The data collection process will be explained as accompanying information, which will</li> </ul> </li> </ul>

## Amended ENTSO-E Monitoring Plan

	complete the description of the data when included in each report.
<b>Frequency</b>	Every odd year, to be included in ENTSO-E Market Report
<b>Recipient</b>	ACER and published on ENTSO-E website.

### 5. EB Cost Report – Article 23(1)

Dimension	Description
<b>Deliverable</b>	EB Cost Report
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>Includes costs of establishing, amending and operating the European balancing energy platforms for the exchange of balancing energy from frequency restoration reserves and replacement reserves and for the imbalance netting process, covering the common, regional and national costs for the previous natural year, while keeping an overview of cumulative costs arising from the previous years for each project.</li> <li>This report is submitted in accordance with Article 23(1) of EB Regulation.</li> </ul>
<b>Frequency</b>	Yearly
<b>Recipient</b>	ACER and to be published by all member TSOs and on the ENTSO-E website.

### 6. Implementation Frameworks – Articles 19(1), 20(1) and 21(1)

#### 6.1. Recurring obligations

- a) Accession roadmaps of the European balancing platforms, pursuant to Article 5(4) of respective mFRR & aFRR Implementation Frameworks of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Updated Accession roadmap for MARI and PICASSO platforms
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>All member TSOs shall establish and update regularly and at least twice per year the roadmap for the implementation of the aFRR-Platform, which shall consist of the following elements: <ul style="list-style-type: none"> <li>development of new processes and amending existing ones related to aFRR exchange, activation purposes, pricing and</li> </ul> </li> </ul>

## Amended ENTSO-E Monitoring Plan

	<p>settlement in accordance with this aFRR IF within thirty months after the approval of this aFRR IF;</p> <ul style="list-style-type: none"> <li>○ development and regular update of an aFRR-Platform accession roadmap within three months after the approval of this aFRR IF, for all member TSOs that will become participating ones. The accession roadmap shall define for these TSOs timelines for: <ul style="list-style-type: none"> <li>▪ the adaptation and implementation of terms and conditions for BSPs by each member TSO;</li> <li>▪ the development of the functions of the aFRR platform;</li> <li>▪ the interoperability tests between each TSO and the aFRR platform;</li> <li>▪ the operational tests;</li> <li>▪ the connection of each TSO to the aFRR platform;</li> <li>▪ making the aFRR platform operational;</li> <li>▪ the connection of all TSOs that have been granted a derogation by their respective regulatory authorities in accordance with Article 62 of the EB Regulation.</li> </ul> </li> <li>○ the accession roadmap shall start after its finalisation by all participating TSOs and end no later than the aFRR-Platform is used by all participating TSOs.</li> </ul>
<b>Frequency</b>	Every 6 months
<b>Recipient</b>	ACER and to be published by all member TSOs

### b) European balancing platforms' implementation and operation monitoring report, pursuant to Article 13(1) of mFRR (Art. 20.1) & aFRR (Art. 21.1) Implementation Framework of the EB Regulation

Dimension	Description
<b>Deliverable</b>	European balancing platforms' implementation and operation monitoring report
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>• All member TSOs shall monitor, evaluate and report the following aspects of implementation and operation of the <b>mFRR platform</b> at least on a yearly basis. To include:</li> </ul>

	<ul style="list-style-type: none"> <li>○ the implementation progress and roadmap in accordance with Article 5;</li> <li>○ the usage of elastic mFRR demand pursuant to Article 3(4), including: <ul style="list-style-type: none"> <li>▪ an assessment by TSOs if the principle in Article 3(4)(d) was complied with;</li> <li>▪ situations where elastic demand was satisfied and to which degree the elastic demand was fulfilled and the influence of satisfying elastic demand on the CBMP;</li> <li>▪ the frequency of elastic demands setting the cross-border marginal price;</li> </ul> </li> <li>○ the amount of mFRR balancing energy requested by each participating TSO in relation to the total volume of balancing energy pursuant to Article 29(12) of the EB Regulation;</li> <li>○ the frequency and volume of deviations between the activation of bids by each participating TSO and the selection of bids by the AOF pursuant to Article 29(5) of the EB Regulation;</li> <li>○ the total volume of paradoxically rejected bids separately for divisible and indivisible bids;</li> <li>○ aggregated information and detailed statistics on the bids which were declared as unavailable by TSOs in accordance with Article 9;</li> <li>○ the impact of scheduled counter-activations on balancing energy prices and on the efficient functioning of the mFRR Platform and intraday market;</li> <li>○ the availability of cross-zonal capacity for the mFRR exchange on the platform;</li> <li>○ the results of the survey conducted in accordance with Article 16(2)(a).</li> </ul> <ul style="list-style-type: none"> <li>• All member TSOs shall monitor, evaluate, and report the following aspects of implementation and operation of the <b>aFRR-Platform</b> at least on a yearly basis. To include: <ul style="list-style-type: none"> <li>○ the implementation progress and roadmap in accordance with Article 5;</li> <li>○ the usage of elastic aFRR demand pursuant to Article 3(4), including the part of the elastic demand that has been</li> </ul> </li> </ul>
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	<p>satisfied; the part of the elastic demand that has not been satisfied; and the elastic demand on the balancing energy price determined pursuant to Article 30(1) of the EB Regulation;</p> <ul style="list-style-type: none"> <li>○ the amount of aFRR balancing energy requested by each participating TSO in relation to the total volume of balancing energy pursuant to Article 29(12) of the EB Regulation;</li> <li>○ the frequency and volume of deviations between the activation of bids by each participating TSO and the selection of bids by the AOF as referred to in paragraph 3(b) and (c), pursuant to Article 29(5) of the EB Regulation;</li> <li>○ the impact on the economic surplus of minimizing the volume of selected standard aFRR balancing energy product bids for balancing energy pursuant to Article 11(2)(b);</li> <li>○ aggregated information and detailed statistics on the bids which were declared as unavailable by TSOs in accordance with Article 9;</li> <li>○ the efficiency of the pricing method for aFRR pursuant to Article 30 of the EB Regulation;</li> <li>○ the availability of cross-zonal capacity for the aFRR exchange on the platform;</li> <li>○ the results of the survey conducted in accordance with Article 16(2)(a).</li> </ul>
<b>Frequency</b>	Yearly
<b>Recipient</b>	ACER and to be published by all member TSOs

c) Publication of algorithm description, pursuant to Article 21(3) of mFRR (Art. 20.1) & aFRR (Art. 21.1) and Article 19(3) of IN (Art. 22.1) Implementation Framework of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Publication of algorithm description for MARI/PICASSO/IGCC
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>• One month before the deadline for the implementation of the IN/mFRR/aFRR-Platform pursuant to Article 5, the member TSOs shall publish a description of the optimization algorithm pursuant to Article 12(3)(k) of the EB Regulation. This description shall ensure</li> </ul>

## Amended ENTSO-E Monitoring Plan

	that the interested public is able to understand the functioning of the algorithm. All TSOs shall keep this document updated.
<b>Frequency</b>	Updated if necessary
<b>Recipient</b>	ACER and to be published on ENTSO-E website

### d) Submission of annual work program, pursuant to Article 15 of mFRR (Art. 20) & aFRR (Art. 21.1) and Article 11 of IN (Art. 22.1) Implementation Framework of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Annual work programme of the European balancing platforms
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>No later than 30 September of each year, all member TSOs shall provide an annual work programme for at least the two subsequent years to all regulatory authorities and ACER that describes the projects aiming at implementing the respective mFRR, aFRR and IN Platforms and all related tasks. For each project, the document shall indicate the scope, the interdependency with other projects, including the interdependency with other European balancing platforms as regards cross-platform functions such as the CMF and other cross platform issues, the requested investments including, if necessary, research and development activities, the expected benefits, the budget, the timeline for implementation including a clear assignment of responsibilities and deadlines to the involved parties, especially separating the involvement of the different entities performing the functions and other parties such as TSOs, as well as identified risks and possible mitigation measures. The steering committee shall coordinate the establishment of the annual work programme.</li> </ul>
<b>Frequency</b>	Yearly
<b>Recipient</b>	All regulatory authorities and ACER

### e) Efficiency and effectiveness assessment of the European balancing platforms, pursuant to Article 13 (7) of aFRR and mFRR and Article 18(2) of IN

Dimension	Description
<b>Deliverable</b>	Efficiency and effectiveness assessment of the European balancing platforms
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>After the implementation of the CMF in accordance with Article 4(6), all member TSOs shall submit to regulatory authorities and ACER a report on the assessment of the effectiveness and efficiency of the currently used designation setup including multiple entities in accordance with Article 12. In case other balancing platforms have a</li> </ul>



	cross-platform function such as the CMF, this part of the report shall be compiled with the respective assessments of the other platforms. This report shall be submitted every second year. It can be submitted together with the report pursuant to Article 59(2)(a) of the EB Regulation. The steering committee shall coordinate the establishment of the report.
<b>Frequency</b>	Every second year after the implementation of the CMF
<b>Recipient</b>	ACER and NRAs

## Amended ENTSO-E Monitoring Plan

### 6.2. One-time obligations

- a) Comparison of alternative control models for aFRR platform, pursuant to Article 13 (3) of aFRR Implementation Framework (Article 21 (1)) of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Comparison of alternative control models for aFRR platform
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>Following the annual report published two years after the implementation deadline for the aFRR Platform, all TSOs shall compare alternative control models and analyze the options to minimize the reported deviations and no later than 12 months after the publication of the report shall propose amendments to this aFRR IF with the aim to address the deviations or change the monitoring of deviations.</li> </ul>
<b>Frequency</b>	Publication: 24 months after implementation deadline of aFRR platform (as a number of Participating TSOs is still limited the implementation deadline is understood as 24 July 2024)
<b>Recipient</b>	ACER

- b) Impact of scheduled counter-activations evaluation of the European balancing platforms, pursuant to Article 13 (3) of mFRR (Art. 20.1) Implementation Framework of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Evaluation of impact of scheduled counter-activations
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>Three years after the deadline for the implementation of the mFRR-Platform pursuant to Article 5(3)(b), all TSOs shall evaluate the outcome of monitoring the impact of scheduled counter-activations pursuant to paragraph 1(g). This evaluation should lead to a recommendation by TSOs for keeping or preventing scheduled counter-activations. Where the recommendation is to prevent scheduled counter-activations, all TSOs shall develop a proposal for an amendment to this implementation framework and submit it for approval. The amendment shall specify how scheduled counter-activations will be prevented in the mFRR platform.</li> </ul>
<b>Frequency</b>	Delivery date: 36 months after implementation deadline of mFRR platform
<b>Recipient</b>	ACER

## Amended ENTSO-E Monitoring Plan

- c) Rejection of bids study of the European balancing platform, pursuant to Article 13 (4) of mFRR (Art. 20.1) Implementation Framework of the EB Regulation

Dimension	Description
<b>Deliverable</b>	Study on rejection of bids in the Activation Optimization Function (AOF)
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>Three years after the deadline for the implementation of the mFRR-Platform pursuant to Article 5(3)(b), all TSO shall publish a study on rejection of bids in the AOF of the mFRR-Platform focusing on the inefficiencies of rejection of bids due to maximum bid size (e.g. if different maximum bid sizes have an effect on the efficiency of the algorithm).</li> </ul>
<b>Frequency</b>	Delivery date: 36 months after implementation deadline of mFRR platform
<b>Recipient</b>	ENTSO-E website

## 7. Pricing Methodology – Article 30(1)

### 7.1. Recurring reporting obligations

- a) Price incident reports

Dimension	Description
<b>Deliverable</b>	Short report of price incidents at the European platforms for the exchange of aFRR, mFRR and RR
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>If the cross-border marginal price during the transitional period reaches at least 50% of the upper or lower transitional price limit, a price incident occurs and all TSOs shall prepare a joint report on it. The report includes a short summary of the incident(s) and three indicators on balancing market concentration level.</li> </ul>
<b>Frequency</b>	Within one month after a price incident occurs
<b>Recipient</b>	ACER

- b) Quarterly pricing reports

Dimension	Description
<b>Deliverable</b>	Quarterly report on balancing energy market price formation PIs and analysis of occurred price incidents

## Amended ENTSO-E Monitoring Plan

<b>Description of the content</b>	<p>All TSOs shall report to ACER and to regulatory authorities on quarterly basis on the following Pls:</p> <ul style="list-style-type: none"> <li>monthly average values of used and available cross-zonal capacity for the exchange of balancing energy per each bidding zone border and direction;</li> <li>average percentage of both submitted and activated standard balancing energy bids per product and per direction with prices higher (and lower) than 50%, 75%, 90%, 95% and 99% of the upper (and lower) transitional price limit;</li> <li>volume weighted average price of the last (most expensive) 5% of the volume of submitted standard balancing energy bids for each European balancing platform per direction and per participating TSO;'</li> </ul> <p>In addition, All TSOs and ACER agreed to include an analysis of the aFRR, mFRR and RR price incidents that occurred in the respective period.</p>
<b>Frequency</b>	Quarterly
<b>Recipient</b>	ACER and publication on ENTSO-E website

### c) Re-assessment of the harmonised maximum and minimum balancing energy prices

Dimension	Description
<b>Deliverable</b>	Re-assessment of the harmonised maximum and minimum balancing energy prices
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>TSOs shall reassess the harmonised maximum and minimum balancing energy prices, publish this assessment and consult it in relevant stakeholder forums.</li> </ul>
<b>Frequency</b>	Every two years after July 2026
<b>Recipient</b>	ACER and publication on ENTSO-E website

## 7.2. One-time obligation

Dimension	Description
<b>Deliverable</b>	Assessment on the functioning of the balancing market

## Amended ENTSO-E Monitoring Plan

<b>Description of the content</b>	<ul style="list-style-type: none"> <li>All TSOs shall perform an assessment of the functioning of the balancing market to investigate whether different technical price limits are needed for efficient functioning of the market.</li> </ul>
<b>Frequency</b>	Publication 36 months after the implementation deadline of the European balancing platforms
<b>Recipient</b>	ACER

## 8. Harmonised CZCA Methodology – Article 38(3)

<b>Dimension</b>	<b>Description</b>
<b>Deliverable</b>	Cross-zonal capacity welfare report
<b>Description of the content</b>	<ul style="list-style-type: none"> <li>All TSOs shall prepare a report on the welfare generated through the application of the harmonized CZCA methodology.</li> </ul>
<b>Frequency</b>	Yearly
<b>Recipient</b>	ACER

## Amended ENTSO-E Monitoring Plan

### Annex 2 – Scope: List of Countries

The monitoring and reporting obligations automatically apply to all Member States<sup>2</sup> and their TSOs, and those European countries having implemented the Union's electricity market legislation. Other countries not yet having implemented Union electricity market legislation may voluntarily contribute to monitoring and reporting.

The data used in the reports is collected over whole calendar year starting on 1 January and ending on 31 December, prior to the year of publication. Moreover, the information used to calculate PIs, defined pursuant to Article 59(4) of EB Regulation, will be based on all the relevant data sources implemented at the start of the concerned year.

Country	Company	Exec. Summaries inclusion into the Balancing Report	PI inclusion into the Market/Balancing Report
<b>Austria (AT)</b>	Austrian Power Grid AG	Y, jointly	Mandatory
	Vorarlberger Übertragungsnetz GmbH		
<b>Belgium (BE)</b>	Elia System Operator SA	Y	Mandatory
<b>Bulgaria (BG)</b>	Electroenergien Sistemen Operator (Електроенергиен системен оператор)	Y	Mandatory
<b>Croatia (HR)</b>	HOPS d.d.	Y	Mandatory
<b>Cyprus (CY)</b>	Cyprus Transmission System Operator	0	EXEMPT
<b>Czech Republic (CZ)</b>	ČEPS a.s.	Y	Mandatory
<b>Denmark (DK)</b>	Energinet	Y	Mandatory

<sup>2</sup> Cyprus, Malta and Luxembourg are exempt Full list to be added. Please find the Full list in Annex 2

## Amended ENTSO-E Monitoring Plan

Country	Company	Exec. Summaries inclusion into the Balancing Report	PI inclusion into the Market/Balancing Report
<b>Estonia (EE)</b>	Elering AS	Y	Mandatory
<b>Finland (FI)</b>	Fingrid Oyj	Y	Mandatory
<b>France (FR)</b>	Réseau de Transport d'Electricité	Y	Mandatory
<b>Germany (DE)</b>	TransnetBW GmbH	Y, jointly	Mandatory
	TenneT TSO GmbH		
	Amprion GmbH		
	50Hertz Transmission GmbH		
<b>Greece (GR)</b>	Independent Power Transmission Operator S.A.	Y	Mandatory
<b>Hungary (HU)</b>	MAVIR Magyar Villamosenergia-ipari Átviteli Rendszerirányító Zártkörűen Működő Részvénytársaság	Y	Mandatory
<b>Ireland (IE)</b>	EirGrid plc	Y, Y	Mandatory
<b>Italy (IT)</b>	Terna - Rete Elettrica Nazionale SpA	Y	Mandatory
<b>Latvia (LV)</b>	AS Augstsprieguma tīkls	Y	Mandatory
<b>Lithuania (LT)</b>	Litgrid AB	Y	Mandatory
<b>Luxembourg (LU)</b>	Creos Luxembourg S.A.	Y	EXEMPT (PI)
<b>Malta (MT)</b>	Med-TSO	0	EXEMPT

## Amended ENTSO-E Monitoring Plan

Country	Company	Exec. Summaries inclusion into the Balancing Report	PI inclusion into the Market/Balancing Report
<b>Netherlands (NL)</b>	TenneT TSO B.V.	Y	Mandatory
<b>Poland (PL)</b>	Polskie Sieci Elektroenergetyczne S.A.	Y	Mandatory
<b>Portugal (PT)</b>	Rede Eléctrica Nacional, S.A.	Y	Mandatory
<b>Romania (RO)</b>	C.N. Transelectrica S.A.	Y	Mandatory
<b>Slovakia (SK)</b>	Slovenská elektrizačná prenosová sústava, a.s.	Y	Mandatory
<b>Slovenia (SL)</b>	ELES, d.o.o.	Y	Mandatory
<b>Spain (ES)</b>	Red Eléctrica de España S.A.	Y	Mandatory
<b>Sweden (SE)</b>	Svenska Kraftnät	Y	Mandatory
<b>Non-EU</b>			
<b>Norway (NO)</b>	Statnett SF	Y	Mandatory
<b>Switzerland (CH)</b>	Swissgrid ag	Y	Voluntary
<b>United Kingdom (UK)</b>	National Grid Electricity System Operator (NGESO)	0	No contributions considered
<b>Iceland (IS)</b>	Landsnet hf	0	No contributions considered
<b>Türkiye (TK)</b>	TEIAS	0	No contributions considered



## Amended ENTSO-E Monitoring Plan

Country	Company	Exec. Summaries inclusion into the Balancing Report	PI inclusion into the Market/Balancing Report
<b>Energy Community, shall adapt Market Codes by end of 2022; Reporting Obligations not yet clear</b>			
<b>Albania ((AL))</b>	OST sh.a – Albanian Transmission System Operator	0	Voluntary
<b>Bosnia and Herzegovina (BA)</b>	Nezavisni operator sustava u Bosni i Hercegovini	Y	Voluntary
<b>Georgia (GE)</b>	JSC Georgian State Electrosystem (GSE)	0	No contributions considered
<b>the Republic of North Macedonia (MK)</b>	МЕПСО – Македонски електропреносен систем оператор	Y	Voluntary
<b>Kosovo* (XK)</b>	KOSTT j.s.c	0	No contributions considered
<b>Moldova (MD)</b>	Moldelectrica ÎS	0	No contributions considered
<b>Montenegro (ME)</b>	Crnogorski elektroprenosni sistem AD	0	Voluntary
<b>Serbia (RS)</b>	Akcionarsko društvo Elektromreža Srbije	Y	Voluntary
<b>Ukraine (UA)</b>	National Power Company Ukrenergo	0	No contributions considered