



## aFRR-Platform Accession roadmap

Version	Description	Date
V12	11th update	26/09/2024

According to Implementation Framework for a European platform for the exchange of balancing energy from frequency restoration reserves with automatic activation (aFRRIF), Article 5, Paragraph 4 (b) member TSOs shall develop accession roadmap within three months after approval of aFRRIF (date of approval 24/1/2020).

The accession of member TSOs to aFRR-Platform (PICASSO) is planned in accordance with the following accession roadmap. PICASSO member TSOs and ENTSO-E Share this accession roadmap for informative purposes only and it does not, in any case, represent a firm, binding or definitive position of PICASSO on the content. The content is subject to change as the implementation progresses and new information becomes available. In particular, the feasibility of the present accession roadmap may depend on final detailed accession planning and possible operational and/or technical constraints that would result in the number of parallel accessions.

This accession roadmap will be updated at least twice a year to give stakeholders current information on the development.

### Explanatory notes

Member TSOs below include an explanation for all aspects in the accession roadmap according to the aFRRIF:

#### 5.4.(b)(i) the adaptation and implementation of terms and conditions for BSPs by each member TSO

- Member TSOs deemed relevant to split the development of T&C and their entry into force to provide clarity to stakeholders. Entry into force of T&C in some TSOs does not have to be adherent to the connection and Go-live of such TSOs in aFRR-Platform. In practice, the updated T&C may be applied in advance.

#### 5.4.(b)(ii) the development of the functions of the aFRR-Platform

- Member TSOs provide further detail by splitting this point into the Activation Optimization Function (AOF) development and the TSO-TSO Settlement Function development.

#### 5.4.(b)(iii) the interoperability tests between each TSO and the aFRR-Platform

- The interoperability tests between each TSO and the aFRR-Platform (end-to-end integration tests) start as soon as part of the platform, and TSOs are ready and finish by the Go-Live.



#### **5.4.(b)(iv) the operational tests**

- The operational tests provide a period for the TSOs to get acquainted with the new operational paradigm.

#### **5.4.(b)(v) the connection of each TSO to the aFRR-Platform**

- The connection of a TSO to the aFRR-Platform indicates the effective TSO business Go-Live after the successful performance of the interoperability and operational test.

#### **5.4.(b)(vi) making the aFRR-Platform operational**

- Member TSOs see as one part of this aspect testing of the aFRR-Platform functions and another part of the act of making the aFRR-Platform Go-live itself. That is why it was split in the accession roadmap to give stakeholders a better overview. The legal deadline for the Go-Live is set to 24/7/2022.

#### **5.4.(b)(vii) the connection of all TSOs that have been granted a derogation by their respective regulatory authorities in accordance with Article 62 of EB Regulation**

- TSOs have the possibility to request a derogation to their respective authorities – in the roadmap TSOs that are considering such option or already did request are marked in the accession roadmap



**aFRR-Platform Accession Roadmap**

Last updated on 26th September 2024 based on latest information available.

Country	Derogation deadline	Last published accession date	New accession date	TSO	2024												2025											
					7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
Czech republic				ČEPS	[Green bar]																							
Austria				APG	[Green bar]																							
Germany				50Hz,AMP,TNG,TTG	[Green bar]																							
Italy	24.07.2023			Terna	[Green bar]																							
Netherlands	24.07.2024	Oct-24		Tennet BV	[Green bar]																							
Denmark	24.07.2024	Oct-24		Energinet	[Green bar]																							
Slovakia <sup>1</sup>	24.07.2024	Nov-24		SEPS	[Green bar]																							
Bulgaria	30.06.2024	Nov-24		ESO	[Green bar]																							
Belgium <sup>2</sup>	24.07.2024	Nov-24		Elia	[Green bar]																							
Greece <sup>3</sup>	24.07.2024	Jul-24	Dec-24	ADMIE	[Green bar]																							
Lithuania		Dec-24		LITGRID	[Green bar]																							
Finland <sup>4</sup>	24.07.2024	Oct-24	Jan-25	Fingrid	[Green bar]																							
Latvia		Jan-25		AST	[Green bar]																							
Estonia		Jan-25		ELERING	[Green bar]																							
France <sup>5</sup>	24.07.2024	Nov-24	Mar-25	RTE	[Green bar]																							
Poland	24.07.2024	Apr-25	May-25	PSE	[Green bar]																							
Spain <sup>6</sup>	24.07.2024	May-25		REE	[Green bar]																							
Croatia	24.07.2024	Jul-24		HOPS	[Green bar]																							
Slovenia <sup>7</sup>	24.07.2024	Apr-25	Oct-25	ELES	[Green bar]																							
Portugal		Nov-24	Nov-25	REN	[Green bar]																							
Hungary <sup>8</sup>	24.07.2024	Q1 2026		MAVIR	[Green bar]																							
Romania	24.07.2024	Apr-26		Transelectrica	[Green bar]																							
Sweden <sup>9</sup>	24.07.2024	Not available		SVK	[Green bar]																							
<b>EEA</b>					[Green bar]																							
Norway <sup>9</sup>	24.07.2024	Not available		Statnett	[Green bar]																							
<b>Non-EU Member</b>					[Green bar]																							
Switzerland <sup>10</sup>		Not available		Swissgrid	[Green bar]																							

[Yellow]	5.4.(b)(i)	National terms and conditions development
[Light Green]	5.4.(b)(i)	National terms and conditions entry into force
[Yellow-Green]	5.4.(b)(iii)	Interoperability tests between TSO and aFRR-Platform
[Green]	5.4.(b)(v)	TSO connection to aFRR-platform / Go-live
[Dark Green]	5.4.(b)(vii)	EBGL Article 62 Derogation considered/requested/granted (new deadline listed)
<b>Country/TSO</b>		<b>TSO connection to aFRR-platform / Go-live updated</b>

1) SEPS observed the risk related to the regulatory and technical developments which may influence SEPS' accession date. 2) ELIA - A first version of the T&C has entered into force early May 2022 when local bidding has been adapted and a second one will enter into force when ELIA will connect to PICASSO. 3) ADMIE - Connection date not finalized. Functional connection dependent on ability to exchange balancing energy with neighboring zones. 4) Fingrid - Postponed due to delayed PCN connection. New accession date not yet agreed. aFRR energy market go-live 12. 06. 2024 5) RTE aims for implementation and go live in March 2025 once risks related to balancing energy high prices observed on the PICASSO platform are mitigated. 6) REE - Delays on the national aFRR market implementation (go-live in November 2024) due to operational technical reasons identified in the last tests scheduled with aFRR BSPs, prior to the preliminary planned implementation date of the national aFRR market. Efforts during next months would be focused on increasing aFRR energy offers through an increase in the prequalified aFRR BSPs (mainly PV), and also by implementing a tool for reutilization of non-activated mFRR bids as aFRR bids. This national milestone also requires gaining experience through new scheduled tests with aFRR BSPs. Meanwhile, final IT adjustments are progressing towards PICASSO connection. 7) ELES has postponed the accession to October 2025 due to technical reasons. 8) MAVIR - A derogation has been granted by the NRA until 24. 07. 2024 for both MARI and PICASSO. MAVIR preliminary expects to connect to the platform by Q1 2026. 9) SVK/STATNETT - The Norwegian and Swedish TSOs have focused on completing the Nordic balancing market before connecting to the European platforms, which, along with challenges of IT development, means that the planned accession to PICASSO is 2026 10) Swissgrid - The technical readiness of Swissgrid has been acknowledged. The participation of Switzerland in the aFRR-Platform is regulated based on article 1.6 and 1.7 of the EB Regulation and currently the subject of litigation by Swissgrid at the Court of Justice of the European Union.