

mFRR-Platform Accession roadmap

Version	Description	Date
V12	12th Update of Accession Roadmap	10/10/2024

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

The accession of member TSOs to mFRR-Platform (MARI) is planned in accordance with the following accession roadmap. MARI member TSOs and ENTSO-E share this accession roadmap for informative purposes only and does not, in any case, represent a firm, binding or definitive position of MARI on the content. The content is subject to change as the implementation progresses and new information becomes available. In particular, 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 maximum 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 mFRRIF:

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 mFRR-Platform. In practice, the updated T&C may be applied in advance.

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

- The interoperability tests between each TSO and the mFRR-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 mFRR-Platform

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

5.4.(b)(vi) making the mFRR-Platform operational

- Member TSOs see as one part of this aspect testing of the mFRR-Platform functions and another part of the act of making the mFRR-Platform Go-live itself. That is why it was split in the accession roadmap to give stakeholders 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.

mFRR-Platform Accession Roadmap

Last updated on 10th October 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	
Germany				50Hz/AMP/ TTG/TNG																			
Czech Republic				CEPS																			
Austria				APG																			
Latvia ²	24/07/2024	Oct-24		AST																			
Lithuania ²	24/07/2024	Oct-24		LITGRID																			
Estonia ²	24/07/2024	Oct-24		ELERING																			
Portugal	24/07/2024	Sep-24	Nov-24	REN																			
Slovakia	24/07/2024	Dec-24		SEPS																			
Spain ¹²	24/07/2024	Q1 2025	Feb-25	RE																			
Belgium ¹¹	24/07/2024	Q1 2025	Mar-25	Elia																			
Bulgaria	30/06/2024	Q3 2025	Q2 2025	ESO																			
Slovenia ¹⁰	24/07/2024	Not available	Oct-25	ELES																			
Netherlands ⁷	24/07/2024	Q4 2025		TenneT BV																			
Poland ⁵	24/07/2024	Q4 2025		PSE																			
Hungary ⁴	24/07/2024	Q1 2026		MAVIR																			
Italy	24/07/2024	Not available		Terna																			
France ⁶	24/07/2024	Not available		RTE																			
Greece ¹	24/07/2024	Not available		IPTO																			
Romania ⁹	24/07/2024	Oct-24	Apr-26	Transelectrica																			
Denmark ³	24/07/2024	Not available		Energinet																			
Finland ³	24/07/2024	Not available		Fingrid																			
Sweden ³	24/07/2024	Not available		SVK																			
Croatia ¹³	24/07/2024	Not available		HOPS																			
EEA																							
Norway ³	24/07/2024	Not available		Statnett																			
Non-EU Member st																							
Switzerland ⁸		Not available		Swissgrid																			
	5.4.(b)(i)			National terms and conditions development																			
	5.4.(b)(i)			National terms and conditions entry into force																			
	5.4.(b)(iii)			Interoperability tests between TSO and mFRR-Platform																			
	5.4.(b)(v)			TSO connection to mFRR-platform / Go-live																			
	5.4.(b)(vii)			EBGL Article 62 Derogation considered/requested/granted (new deadline listed)																			
Country/TSO				TSO connection to mFRR-platform / Go-live																			

1 IPTO - Due to implementation difficulties, it is expected that IPTO will be able to connect to the mFRR-platform within 2026. The Greek NRA is already informed. **2 Baltic TSOs** accession before 10/10/2024 subject to successful operational Go Live. **3 The Nordic 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 MARI is 2026. **4 MAVIR** - In order to meet the legal requirements, MAVIR not only has to procure and implement major IT system and business process upgrades but also has to introduce completely new ones as well - including but not limited to its market operation and planning system and settlement system – which takes more time than originally estimated. Additionally, MAVIR needs to provide sufficient time for local BSPs to prepare and implement the necessary changes on their side. The Hungarian NRA requests an updated status from MAVIR every half year. **5 PSE** - Sequential approach to implementation of balancing platforms (PICASSO followed by MARI) adopted in order to mitigate risks and limitations of available resources. Necessity to incorporate EBGL requirements into internal market rules. PSE preliminary expect to connect to the platform in December 2025. **6 RTE** was granted a derogation by the French NRA until 24/07/24. However, at least one additional year will be required for RTE to connect to the MARI platform in order to ensure the operational security of the French electrical system. RTE has been sharing its ATC since 18/07/24. **7 TenneT NL** aims for go-live with the MARI platform by December 2025 and has received a derogation until 24-07-2024. The reason for delay relates to several IT bottlenecks. **8 Swissgrid** the technical readiness of Swissgrid has been acknowledged. The participation of Switzerland in the mFRR-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. **9 Transelectrica** derogation granted 24.07.2024. The local IT systems have been changed on 1st July 2024. Currently work is still being done to ensure stability of BM system and we are still implementing many updates due to the new internal regulations for the local BM. The connection of Transelectrica will be completed when the technical conditions of the local systems and the conditions for participation to the European mFRR market (connected mode) will be fulfilled. **10 ELES** has postponed the accession to November 2025 due to technical reasons. **11 Elia** targets to connect to MARI a quarter after connecting to Picasso. **12 RE** - Due to the design and architecture of the IT systems, before connecting the Spanish electrical system to MARI, it is necessary to adapt the national aFRR market to the European standard aFRR product (SRS project, delayed until November 2024, due to operational technical issues). Once the IT system has been stabilized after the implementation of SRS (currently foreseen in 3 months), the connection of Red Eléctrica to MARI can be carried out. Meanwhile, Red Eléctrica is already connected to MARI testing environment and actively performing test since March 2024. **13 HOPS** derogation granted 24.07.2024. The local NRA has been informed that the accession has been postponed due to technical conditionals.