



mFRR-Platform Accession roadmap

Version	Description	Date
V7	6th Update of Accession Roadmap	28/04/2023

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 20 April 2023 based on latest information available															
			2023												2024			
			1	2	3	4	5	6	7	8	9	10	11	12	Q1	Q2	Q3	Q4
mFRRIF			[Green bar]															
5.4.(b)(ii)	AOF		[Green bar]															
5.4.(b)(ii)	TSO-TSO Settlement		[Green bar]															
5.4.(b)(vi)	Testing functions & mFRR operation		[Green bar]															
mFRR-Platform	5.4.(b)(iii) TSOs Interoperability tests		[Green bar]															
	5.4.(b)(iv) Operational tests (parallel run)		[Green bar]															
	5.4.(b)(v) TSOs Connection / Go-live		[Green bar]															
	5.4.(b)(vi) mFRR-Platform Go-live		[Green bar]															
Country	Derogation deadline ¹	TSO	2023												2024			
Germany		50Hz/Amprion/ TenneT GmbH/ TransnetBW	[Green bar]															
Greece	24.7.2024	IPTO ²	[Green bar]															
Austria		APG	[Green bar]															
Latvia	24.7.2024	AST ³	[Green bar]															
Czech republic		CEPS	[Green bar]															
Estonia	24.7.2024	ELERING ³	[Green bar]															
Slovenia		ELES	[Green bar]															
Belgium	24.7.2024	Elia ⁴	[Green bar]															
Denmark	24.7.2024	Energinet ⁵	[Green bar]															
Bulgaria	30.6.2024	ESO ⁶	[Green bar]															
Finland	24.7.2024	Fingrid ³	[Green bar]															
Croatia	24.7.2024	HOPS ⁷	[Green bar]															
Lithuania	24.7.2024	LITGRID ³	[Green bar]															
Hungary	24.7.2024	MAVIR ⁸	[Green bar]															
Poland	24.07.2024	PSE ⁹	[Green bar]															
Spain	24.07.2024	RE ¹⁰	[Green bar]															
Portugal	24.07.2024	REN	[Green bar]															
France	24.07.2024	RTE ¹¹	[Green bar]															
Slovakia	24.07.2024	SEPS ¹²	[Green bar]															
Sweden	24.07.2024	SVK ³	[Green bar]															
Netherlands		TenneT BV ¹³	[Green bar]															
Italy	24.7.2024	Terna ¹⁴	[Green bar]															
Romania	01.03.2024	Transelectrica ¹⁵	[Green bar]															
EEA																		
Norway	24.07.2024	Statnett ³	[Green bar]															
Non-EU Member State																		
Switzerland		Swissgrid ¹⁶	[Green bar]															

¹ The technical Go Live of the MARI platform was 15 September 2022, while the first TSOs connected 5 October.

² IPTO was granted a derogation by the NRA until 24.7.2024. The plan presented in this roadmap shall be regarded as a preliminary, non-binding estimate.

³ Derogation request submitted by Baltic TSOs is approved by the Baltic NRAs. According to the NRAs decision, the planned connection time will be aligned with the Nordic TSOs, expected in Q2 - Q3 2024, but not later than 24.07.2024.

⁴ Elia was granted a derogation by the NRA until 24.7.2024.



- ⁵ The plan presented in this roadmap shall be regarded as a preliminary, non-binding estimate. The planned connection time is expected in Q2 2024.
- ⁶ ESO - derogation was granted by local NRA until 30.06.2024.
- ⁷ HOPS - derogation was granted by local NRA until 24.7.2024.
- ⁸ MAVIR - derogation was granted by local NRA until 24.7.2024.
- ⁹ PSE derogation was granted by local NRA until 24.7.2024.
- ¹⁰ RE derogation has been granted by the NRA until 24th July 2024.
- ¹¹ 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 will make its best effort to share its ATC before 24/07/24.
- ¹² SEPS - derogation was granted by local NRA until 24.7.2024.
- ¹³ TenneT NL aims for implementation and go-live by July 2024 and has requested a derogation until then. However, there is a real risk that the final derogation will take place even later than the requested derogation period. If TenneT takes these risks into account, TenneT expects to participate in the summer of 2025 to participate in the mFRR platform and TenneT will enter into discussions with relevant stakeholders if it becomes clear that the risks already in the planning manifest themselves.
- ¹⁴ TERNA - derogation was granted by local NRA until 24.07.2024.
- ¹⁵ Transelectrica– derogation granted by local NRA until 01.03.2024.
- ¹⁶ 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.