



## mFRR-Platform Accession roadmap

Version	Description	Date
V8	7th Update of Accession Roadmap	25/10/2023

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 October 2023 based on latest information available.															
			2023				2024											
			7	8	9	10	11	12	Q1	Q2	Q3	Q4						
mFRR-Platform	5.4.(b)(ii)	AOF	[Green bar]															
	5.4.(b)(iii)	TSO-TSO Settlement	[Green bar]															
	5.4.(b)(iv)	Testing functions & mFRR operation	[Green bar]															
	5.4.(b)(v)	TSOs Interoperability tests	[Green bar]															
	5.4.(b)(vi)	Operational tests (parallel run)	[Green bar]															
	5.4.(b)(vii)	TSOs Connection / Go-live	[Green bar]															
	5.4.(b)(viii)	mFRR-Platform Go-live	[Green bar]															
Country	Derogation deadline <sup>1</sup>	TSO	2023				2024											
			7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	Q4
Germany		50Hz/Amprion/ TenneT GmbH/ TransnetBW	[Green bar]															
Czech republic		CEPS	[Green bar]															
Austria		APG	[Green bar]															
Belgium	24.07.2024	Elia <sup>4</sup>	[Yellow bar]															
Portugal	24.07.2024	REN	[Yellow bar]															
Spain	24.07.2024	RE <sup>10</sup>	[Yellow bar]															
Latvia	24.07.2024	AST <sup>3</sup>	[Yellow bar]															
Estonia	24.07.2024	ELERING <sup>3</sup>	[Yellow bar]															
Lithuania	24.07.2024	LITGRID <sup>3</sup>	[Yellow bar]															
Croatia	24.07.2024	HOPS <sup>7</sup>	[Yellow bar]															
Hungary	24.07.2024	MAVIR <sup>8</sup>	[Yellow bar]															
Netherlands		TenneT BV <sup>13</sup>	[Yellow bar]															
Italy	24.07.2024	Terna <sup>14</sup>	[Yellow bar]															
Slovakia	24.07.2024	SEPS <sup>12</sup>	[Yellow bar]															
Slovenia		ELES	[Yellow bar]															
Bulgaria	30.06.2024	ESO <sup>6</sup>	[Yellow bar]															
Romania	01.03.2024	Transselectrica	[Yellow bar]															
Poland	24.07.2024	PSE <sup>9</sup>	[Yellow bar]															
France	24.07.2024	RTE <sup>11</sup>	[Yellow bar]															
Greece	24.07.2024	IPTO <sup>2</sup>	[Yellow bar]															
Denmark	24.07.2024	Energinet <sup>5</sup>	[Yellow bar]															
Finland	24.07.2024	Fingrid <sup>5</sup>	[Yellow bar]															
Sweden	24.07.2024	SVK <sup>5</sup>	[Yellow bar]															
<b>EEA</b>																		
Norway	24.07.2024	Statnett <sup>5</sup>	[Yellow bar]															
<b>Non-EU Member State</b>																		
Switzerland		Swissgrid <sup>15</sup>	[Green bar]															

  

[Yellow bar]	5.4.(b)(i)	National terms and conditions development
[Light Green bar]	5.4.(b)(i)	National terms and conditions entry into force
[Orange bar]	5.4.(b)(iii)	Interoperability tests between TSO and mFRR-Platform
[Green bar]	5.4.(b)(v)	TSO connection to mFRR-platform / Go-live
[Red bar]	5.4.(b)(vii)	EBGL Article 62 Derogation considered / requested / granted

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



- <sup>2</sup> IPTO was granted a derogation by the NRA until 24.07.2024. However, IPTO expects to connect to the mFRR-platform within 2026. IPTO has recently informed the Greek NRA regarding the delay.
- <sup>3</sup> Derogation request submitted by Baltic TSOs is approved by the Baltic NRAs. According to the NRAs decision, the planned connection time will not be later than 24.07.2024.
- <sup>4</sup> Elia was granted a derogation by the NRA until 24.07.2024.
- <sup>5</sup> The plan presented in this roadmap shall be regarded as a preliminary, non-binding estimate. The planned connection time is expected in 2026.
- <sup>6</sup> ESO - derogation was granted by local NRA until 30.06.2024.
- <sup>7</sup> HOPS - derogation was granted by local NRA until 24.07.2024.
- <sup>8</sup> MAVIR - derogation was granted by local NRA until 24.07.2024.
- <sup>9</sup> PSE preliminary expect to connect to the platform on Q4 2024/Q1 2025.
- <sup>10</sup> RE derogation has been granted by the NRA until 24.07.2024.
- <sup>11</sup> 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.
- <sup>12</sup> SEPS - derogation was granted by local NRA until 24.07.2024.
- <sup>13</sup> TenneT NL aims for implementation and go-live by July 2024 and has a 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.
- <sup>14</sup> TERNA – derogation was granted by local NRA until 24.07.2024.
- <sup>15</sup> 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.