COMMISSION DELEGATED REGULATION (EU) 2025/645

of 1 April 2025

supplementing Regulation (EU) 2023/1804 of the European Parliament and of the Council as regards common technical requirements for a common application programme interface

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2023/1804 of the European Parliament and of the Council of 13 September 2023 on the deployment of alternative fuels infrastructure and repealing Directive 2014/94/EU ([1]), and in particular Article 20(6), point (b), thereof,

Whereas:

(1) Article 20(2) of Regulation (EU) 2023/1804 provides that by 14 April 2025, operators of publicly accessible recharging points and refuelling points for alternative fuels, or, in accordance with the arrangements between them, the owners of those points, are to ensure the availability of static data and dynamic data concerning alternative fuels infrastructure operated by them, or services inherently linked to such infrastructure that they provide or they outsource, at no cost.

(2) In order to provide free and unrestricted access to that data and enable an automated and uniform data exchange between the operators of publicly accessible recharging and refuelling points and data users, Article 20(3) of Regulation (EU) 2023/1804 requires each operator of publicly accessible recharging and refuelling points for alternative fuels, or, in accordance with the arrangements between them, the owner of those points, to set up an application programme interface (API).

(3) This Regulation lays down common technical requirements for a common API to enable an automated and uniform data exchange between the operators of publicly accessible recharging and refuelling points for alternative fuels and data users.

(4) Operators of publicly accessible recharging and refuelling points or owners of those points may set up the API themselves or use a protocol solution for the API developed by relevant market actors, including third party providers. Such protocol solutions for the API should comply with the common technical requirements for the API laid down in this Regulation.

(5) In order to specifically promote the interoperability, convergence and greater transparency of APIs based on protocol solutions developed by relevant market actors for the different publicly accessible recharging points and refuelling points for alternative fuels, it is necessary to introduce a number of common technical requirements. Those technical requirements should ensure a minimum of compatibility, scalability, robustness and security to enable an automated and uniform data exchange between the operators of publicly accessible recharging points and refuelling points for alternative fuels and data users across the Union.

(6) In order to ensure the predictable development of APIs for operators of publicly accessible recharging and refuelling points or owners of those points, the common technical requirements should ensure that protocol solutions contain information on the APIs based on a detailed technical development plan that is publicly accessible, for example on a dedicated website, with relevant operational details to inform technical implementation and continuity over time. This requirement should also facilitate access of interested operators of alternative fuels infrastructure to up-to-date publicly accessible documentation and guidelines for seamless integration and usage by data users, including comprehensive training and technical support materials.

([1]) OJ L 234, 22.9.2023, p. 1, ELI: http://data.europa.eu/eli/reg/2023/1804/oj.

(7) The common technical requirements for a common API should also facilitate the technical work of Member States when making the data concerning alternative fuels infrastructure accessible as open data through NAPs in accordance with Article 20(4) of Regulation (EU) 2023/1804 and Directive 2010/40/EU of the European Parliament and of the Council ([2]) and in compliance with the additional specifications in the Delegated Regulations adopted on the basis of that Directive.

(8) To anticipate future developments and the implementation of Article 20(5) of Regulation (EU) 2023/1804, the common technical requirements for a common API should contribute to the technical set up of the common European access point that the Commission is to establish by 31 December 2026. These common technical requirements should aid in the future operation of the common European access point so that data users can easily access data and compare information on the characteristics of the alternative fuels infrastructure, such as price, accessibility, availability or power capacity.

(9) Article 20(8) of Regulation (EU) 2023/1804 requires the delegated and implementing acts referred to in paragraphs 6 and 7 of that Article to lay down reasonable transitional periods before the provisions contained therein, or amendments thereof, become binding on the operators or owners of recharging points and refuelling points for alternative fuels. Therefore, this Regulation should apply from 14 April 2025 as that date coincides with the date of application of Article 20(2) of Regulation (EU) 2023/1804,

HAS ADOPTED THIS REGULATION:

Article 1

Common technical requirements for a common application programme interface

1. An application programme interface (API) referred to in Article 20(3) of Regulation (EU) 2023/1804 shall comply with the following common technical requirements:

(a) it shall be technically compatible, where relevant, with recharging and refuelling points for alternative fuels software management systems and national access points;

(b) it shall facilitate usability for data users in order to support the development of high-quality information services on alternative fuels;

(c) it shall be scalable and capable of handling growing amounts of real-time data over time;

(d) it shall be robust and be able to cope with errors during execution;

(e) it shall be secure and include relevant protection measures to prevent unintended access to data;

(f) it shall undergo regular testing and validation to ensure continued compatibility and reliability;

(g) it shall be scalable to support integration in a dedicated web portal of a common European access point to function as a data gateway facilitating the access to data referred to in Article 20(2) of Regulation (EU) 2023/1804.

2. Where operators of publicly accessible recharging points and refuelling points or, in accordance with the arrangements between them, the owners of those points rely on a protocol solution for the API referred to in Article 20(3) of Regulation (EU) 2023/1804, developed by another market actor or third-party provider, they shall ensure, in addition to paragraph 1, that such protocol solution complies with the following common technical requirements:

(a) it shall contain a detailed and publicly accessible technical development plan with transparent schedules to inform technical implementation and continuity over time;

(b) it shall provide up-to-date publicly accessible documentation and guidelines for seamless integration and usage by data users;

([2]) Directive 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport (OJ L 207, 6.8.2010, p. 1, ELI: http://data.europa.eu/eli/dir/2010/40/oj).

(c) it shall provide comprehensive training and technical support to data users to facilitate the successful development and implementation of information services;

(d) it shall be technically compatible, where relevant, with the architecture requirements of the national access points (NAPs);

(e) it shall be scalable with a view to integration in a dedicated web portal of a common European access point for alternative fuels data.

3. Where at the date of entry into force of this Regulation, Member States have already prescribed the use of a specific API based on national technical requirements in their territory, such national technical requirements for the API shall apply only in so far as they comply with this Regulation.

Article 2

Entry into force and application

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

It shall apply from 14 April 2025.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 1 April 2025.

For the Commission
The President
Ursula VON DER LEYEN