

# White Paper of Charging Interface Initiative e.V.

**Authorization with Plug & Charge**

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# Authorization with Plug & Charge

In line with the CharIN Publication “[Authorization Guide EIM and Plug & Charge](#)” (V1.1 published on 2024-01-11), whichever authorization<sup>1</sup> method is used, the **FIRST method is the one that shall be used for invoicing.**

According to AFIR Regulation Article 5 (2), the end user must always be able to select a charging session and choose between automatic authentication and manual authentication.

The proposed solution ensures the end user always has the **option to authenticate manually** (e.g. by charging card or app) **before** connecting the vehicle, in order to opt-out of automatic authentication.

By only **connecting** the charger's cable to a Plug & Charge enabled vehicle, the end user consciously chooses the automatic authentication. Hence, there is **no additional need** to show end users the different authentication options.

Therefore, the end user selects the authentication method as follows:

Automatic Authentication	Plug the charging connector into the vehicle
Manual Authentication	Authenticate with EIM according to ISO 15118 such as charging card, ad-hoc payment method or app first, before plugging the charging connector into the vehicle

This document refers to the CCS Basic and Extended stepmodel which does not include wireless and ACD charging solutions.

Used abbreviations:

AFIR = Alternative Fuels Infrastructure Regulation [2023/1804](#)

EIM = External Identification Means

<sup>[1]</sup> Authorization: AFIR article 5.2 misleadingly uses the term authentication but is targeting the authorization of a charging session. Even though technically incorrect, this paper uses the same terminology for easier reference.