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Information exchange for Electric Vehicle charging roaming service - Part 2: Use cases

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EN IEC 63119-2

November 2022

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English Version

Information exchange for electric vehicle charging roaming service - Part 2: Use cases (IEC 63119-2:2022)

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(IEC 63119-2:2022)

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The text of document 69/847/FDIS, future edition 1 of IEC 63119-2, prepared by IEC/TC 69 "Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63119-2:2022.

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Échange d'informations pour le service d'itinérance de la recharge des véhicules électriques – Partie 2: Cas d'utilisation



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Information exchange for electric vehicle charging roaming service – Part 2: Use cases

Échange d'informations pour le service d'itinérance de la recharge des véhicules électriques – Partie 2: Cas d'utilisation

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ICS 43.120

ISBN 978-2-8322-5829-3

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INFORMATION EXCHANGE FOR ELECTRIC VEHICLE CHARGING ROAMING SERVICE –

Part 2: Use cases

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Draft	Report on voting
69/847/FDIS	69/862/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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INFORMATION EXCHANGE FOR ELECTRIC VEHICLE CHARGING ROAMING SERVICE –

Part 2: Use cases

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1 Scope

This part of IEC 63119 specifies roaming use cases of information exchange between EV charging service providers (CSP), charging station operators (CSOs) and clearing house platforms through roaming endpoints. The elementary use cases defined in this document are designed to support the user to have access to the EV supply equipment which does not belong to the home-CSP.

IEC 63119 (all parts) is applicable to high-level communication involved in information exchange/interaction between different CSPs, as well as between a CSP and CSO with or without clearing house platform through the roaming endpoint.

IEC 63119 (all parts) does not specify the communication either between charging station (CS) and charging station operator (CSO) or between EV and CS.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 63119-1, *Information exchange for electric vehicle charging roaming service – Part 1: General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 63119-1 and the following apply.

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3.1
service
series of processes that the service provider provides to the EV user, including energy transfer service, reservation service, parking service, etc.

3.2
energy transfer service
charging service
complete energy transfer process that the service provider provides to the EV user, including authentication, charging, billing, and settlement, for the time being