

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**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**



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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

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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The text of this International Standard is based on the following documents:

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.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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# INFORMATION EXCHANGE FOR ELECTRIC VEHICLE CHARGING ROAMING SERVICE –

## Part 2: Use cases

### 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.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO online browsing platform: available at <http://www.iso.org/obp>

#### 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