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Informationsutbyte för roamingtjänster för laddning av elfordon – Del 1: Allmänt

*Information exchange for electric vehicle charging roaming service –
Part 1: General*

Som svensk standard gäller europastandarden EN IEC 63119-1:2019. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63119-1:2019.

Nationellt förord

Europastandarden EN IEC 63119-1:2019

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63119-1, First edition, 2019 - Information exchange for electric vehicle charging roaming service - Part 1: General**

utarbetad inom International Electrotechnical Commission, IEC.

ICS 43.120.00; 29.130.20; 35.240.01

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EUROPEAN STANDARD

EN IEC 63119-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Information exchange for electric vehicle charging roaming
service - Part 1: General
(IEC 63119-1:2019)**

Échange d'informations pour le service d'itinérance de la
recharge des véhicules électriques - Partie 1: Généralités
(IEC 63119-1:2019)

Informationsaustausch für Roaming-Ladedienste für
Elektrofahrzeuge - Teil 1: Allgemeines
(IEC 63119-1:2019)

This European Standard was approved by CENELEC on 2019-07-31. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 69/654/FDIS, future edition 1 of IEC 63119-1, prepared by IEC/TC 69 "Electric road vehicles and electric industrial trucks" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63119-1:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-04-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-07-31

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Endorsement notice

The text of the International Standard IEC 63119-1:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61851-1:2017	NOTE	Harmonized as EN IEC 61851-1:2019 (not modified)
IEC 63110-1	NOTE	Harmonized as EN IEC 63110-1 ¹

¹ To be published. Stage at the time of publication: prEN IEC 63110-1:2018

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
RFC 5246	-	The Transport Layer Security (TLS) - Protocol Version 1.2		-

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INFORMATION EXCHANGE FOR ELECTRIC VEHICLE CHARGING ROAMING SERVICE –

Part 1: General

FOREWORD

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International Standard IEC 63119-1 has been prepared by IEC technical committee 69: Electric road vehicles and electric industrial trucks.

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

FDIS	Report on voting
69/654/FDIS	69/659/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 63119 series, published under the general title *Information exchange for electric vehicle charging roaming service*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INFORMATION EXCHANGE FOR ELECTRIC VEHICLE CHARGING ROAMING SERVICE –

Part 1: General

1 Scope

This part of IEC 63119 establishes a basis for the other parts of IEC 63119, specifying the terms and definitions, general description of the system model, classification, information exchange and security mechanisms for roaming between EV charge service providers (CSPs), charging station operators (CSOs) and clearing house platforms through roaming endpoints. It provides an overview and describes the general requirements of the EV roaming service system.

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 a CSO with or without a clearing house platform through the roaming endpoint.

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

RFC 5246, The Transport Layer Security (TLS) Protocol Version 1.2