TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

CLC IEC/TS 61980-2

June 2020

ICS 43.120

English Version

Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure (IEC/TS 61980-2:2019)

Systèmes de transfert de puissance sans fil (WPT) pour véhicules électriques - Partie 2 : Exigences spécifiques en matière de communication entre un véhicule électrique routier et l'infrastructure (IEC/TS 61980-2:2019)

Kontaktlose Energieübertragungssysteme (WPT) für Elektrofahrzeuge - Teil 2: Besondere Anforderungen für die Kommunikation zwischen Elektrostraßenfahrzeugen und Infrastruktur (IEC/TS 61980-2:2019)

This Technical Specification was approved by CENELEC on 2020-05-25.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

Ref. No. CLC IEC/TS 61980-2:2020 E

European foreword

This document (CLC IEC/TS 61980-2:2020) consists of the text of IEC/TS 61980-2:2019 prepared by IEC/TC 69 "Electric road vehicles and electric industrial trucks".

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Technical Specification IEC/TS 61980-2:2019 was approved by CENELEC as a European Technical Specification without any modification.

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

IEC 60038:2009	NOTE	Harmonized as EN 60038:2011
ISO 15118-1	NOTE	Harmonized as EN ISO 15118-1
ISO 15118-5	NOTE	Harmonized as EN ISO 15118-5

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 When 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.

Publication	Year	Title	EN/HD	Year
IEC 61980-1	-	Electric vehicle wireless power transfer (WPT) systems - Part 1: General requirements	-	-
IEC/TS 61980-3	2019	Electric vehicle wireless power transfer (wpt) systems - Part 3: Specific requirements for the magnetic field wireless power transfer systems	CLC IEC/TS 61980-3	2020
ISO 15118	series	Road vehicles - Vehicle-to-grid communication Interface	EN ISO 15118	series
ISO 15118-2	-	Road vehicles - Vehicle-to-grid communication Interface - Part 2: Network and application protocol requirements	EN ISO 15118-2	-
ISO 15118-8	2018	Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication	EN ISO 15118-8	2019
ISO 15118-20	-	Road vehicles - Vehicle to grid communication interface - Part 20: 2nd generation network and application protocol requirements	-	-

IEC TS 61980-2

Edition 1.0 2019-06

TECHNICAL SPECIFICATION

colour inside

Electric vehicle wireless power transfer (WPT) systems – Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure

IEC TS 61980-2:2019-06(en)

CONTENTS