SLOVENSKI STANDARD
SIST EN IEC/IEE 63184:2025

01-junij-2025

Ocenjevanje izpostavljenosti ljudi sistemu brezžičnega prenosa energije z električnim in magnetnim poljem - Modeli, instrumenti, meritve ter računalniške metode in postopki (frekvenčno območje od 3 kHz do 30 MHz)

Assessment Methods of the Human Exposure to Electric and Magnetic Fields from Wireless Power Transfer Systems - Models, Instrumentation, Measurement and Computational Methods and Procedures (Frequency Range of 3 kHz to 30 MHz)

Bewertungsmethoden für die Exposition des Menschen gegenüber elektrischen und magnetischen Feldern von drahtlosen Energieübertragungssystemen - Modelle, Instrumente, Mess- und Berechnungsmethoden und -verfahren (Frequenzbereich von 3 kHz bis 30 MHz)

Méthodes d'évaluation de l'exposition humaine aux champs électriques et magnétiques produit par les systèmes de transfert de puissance sans fil - Modèles, instrumentation, méthodes et procédures de mesure et de calcul (Plage de fréquences comprise entre 3 kHz et 30 MHz)

Ta slovenski standard je istoveten z: **EN IEC/IEEE 63184:2025**

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
17.240	Merjenje sevanja	Radiation measurements

SIST EN IEC/IEE 63184:2025 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC/IEEE 63184

April 2025

ICS 17.220.20; 17.240

English Version

Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems - Models, instrumentation, measurement and computational methods and procedures (frequency range of 3 kHz to 30 MHz) (IEC/IEEE 63184:2025)

Méthodes d'évaluation de l'exposition humaine aux champs électriques et magnétiques produits par les systèmes de transfert de puissance sans fil - Modèles, instrumentation, méthodes et procédures de mesure et de calcul (Plage de fréquences comprise entre 3 kHz et 30 MHz) (IEC/IEEE 63184:2025)

Bewertungsmethoden für die Exposition des Menschen gegenüber elektrischen und magnetischen Feldern von drahtlosen Energieübertragungssystemen - Modelle, Instrumente, Mess- und Berechnungsmethoden und -verfahren (Frequenzbereich von 3 kHz bis 30 MHz) (IEC/IEEE 63184:2025)

This European Standard was approved by CENELEC on 2025-04-01. 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.

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, Türkiye 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. EN IEC/IEEE 63184:2025 E

European foreword

The text of document 106/669/FDIS, future edition 1 of IEC/IEEE 63184, prepared by TC 106 "Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC/IEEE 63184:2025.

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) 2026-04-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-04-30

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.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC/IEEE 63184:2025 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 standard indicated:

IEC 61980-3:2022	NOTE	Approved as EN IEC 61980-3:2022 (not modified)
IEC 62226-2-1:2004	NOTE	Approved as EN 62226-2-1:2005 (not modified)
IEC 62233:2005	NOTE	Approved as EN 62233:2008
IEC 62311:2019	NOTE	Approved as EN IEC 62311:2020 (not modified)
IEC 60990:2016	NOTE	Approved as EN 60990:2016 (not modified)
IEC/IEEE 63195-2:2022	NOTE	Approved as EN IEC/IEEE 63195-2:2023 (not modified)
ISO/IEC 17025:2017	NOTE	Approved as EN ISO/IEC 17025:2017 (not modified)
ISO 19363:2020	NOTE	Approved as EN ISO 19363:2021 (not modified)

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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61786-1	2013	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings - Part 1: Requirements for measuring instruments	EN 61786-1	2014
+ AMD1	2024		+ A1	2024
IEC 61786-2	2014	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings - Part 2: Basic standard for measurements	-	-
IEC/IEEE 62209-1528	2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Part 1528: Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz)	EN IEC/IEEE 62209-1528	2021
IEC/IEEE 62704-1	2017	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 1: General requirements for using the finite difference time-domain (FDTD) method for SAR calculations 	-	-
IEC/IEEE 62704-4	2020	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communication devices, 30 MHz to 6 GHz - Part 4: General requirements for using the finite element method for SAR calculations	-	-

IEC/IEEE 63184

Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems – Models, instrumentation, measurement and computational methods and procedures (frequency range of 3 kHz to 30 MHz)

Méthodes d'évaluation de l'exposition humaine aux champs électriques et magnétiques produits par les systèmes de transfert de puissance sans fil – Modèles, instrumentation, méthodes et procédures de mesure et de calcul (Plage de fréquences comprise entre 3 kHz et 30 MHz)

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 17.220.20; 17.240

ISBN 978-2-8327-0139-3