

English Version

**Assessment of electronic and electrical equipment related to
human exposure restrictions for electromagnetic fields (0 Hz to
300 GHz)
(IEC 62311:2019)**

Évaluation des équipements électroniques et électriques en
relation avec les restrictions d'exposition humaine aux
champs électromagnétiques (0 Hz à 300 GHz)
(IEC 62311:2019)

Bewertung von elektrischen und elektronischen
Einrichtungen in Bezug auf Begrenzungen der Exposition
von Personen in elektromagnetischen Feldern (0 Hz - 300
GHz)
(IEC 62311:2019)

This European Standard was approved by CENELEC on 2019-05-23. 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

European foreword

The text of document 106/480/FDIS, future edition 2 of IEC 62311, prepared by IEC/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 62311:2020.

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) 2020-07-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-01-24

This document supersedes EN 62311:2008 and all of its amendments and corrigenda (if any).

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 Standard IEC 62311:2019 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:

| | | |
|------------------|------|--|
| ISO/IEC 17025 | NOTE | Harmonized as EN ISO/IEC 17025 |
| CISPR 32 | NOTE | Harmonized as EN 55032 |
| IEC 61786-1:2013 | NOTE | Harmonized as EN 61786-1:2014 (not modified) |
| IEC 62110:2009 | NOTE | Harmonized as EN 62110:2009/AC:2015 (not modified) |
| IEC 62209-1:2016 | NOTE | Harmonized as EN 62209-1:2016 (not modified) |
| IEC 62209-2:2010 | NOTE | Harmonized as EN 62209-2:2010 (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.cenelec.eu.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| IEC 60050-161 | 1990 | International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility | - | - |
| IEC 62232 | 2017 | Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure | EN 62232 | 2017 |