BS EN 62911:2016



BSI Standards Publication

Audio, video and information technology equipment — Routine electrical safety testing in production

bsi.

National foreword

This British Standard is the UK implementation of EN 62911:2016. It is identical to IEC 62911:2016. It supersedes BS EN 50514:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/108, Safety of electronic equipment within the field of audio/video, information technology and communication technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD

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English Version

Audio, video and information technology equipment - Routine electrical safety testing in production (IEC 62911:2016)

Appareils audio, vidéo et matériel de traitement de l'information - Essais individuels de série, en production, pour la vérification de la sécurité électrique (IEC 62911:2016)

Audio, Video und Einrichtungen der Informationstechnik - Stückprüfungen der elektrischen Sicherheit in der Fertigung (IEC 62911:2016)

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

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European foreword

The text of document 108/616/FDIS, future edition 1 of IEC 62911, prepared by IEC/TC 108 "Safety of electronic equipment within the field of audio/video, information technology and communication technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62911:2016.

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)	2016-11-10
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-02-10

This document supersedes EN 50514:2014.

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Endorsement notice

The text of the International Standard IEC 62911:2016 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60065	-	Audio, video and similar electronic apparatus - Safety requirements	EN 60065	-
IEC 60950-1	-	Information technology equipment - Safety -- Part 1: General requirements	EN 60950-1	-
IEC 62368-1	-	Audio/video, information and communication technology equipment -- Part 1: Safety requirements	EN 62368-1	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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AUDIO, VIDEO AND INFORMATION TECHNOLOGY EQUIPMENT – ROUTINE ELECTRICAL SAFETY TESTING IN PRODUCTION

FOREWORD

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International Standard IEC 62911 has been prepared by TC108: Safety of electronic equipment within the field of audio/video, information technology and communication technology

The text of this standard is based on the following documents:

FDIS	Report on voting
108/616/FDIS	108/635/RVD

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

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

In this standard, the following print types or formats are used:

– requirements proper and normative annexes: in roman type;

– compliance statements and test specifications: in *italic type*;

– notes/explanatory matter: in smaller roman type;

– normative conditions within tables: in smaller roman type;

– terms that are defined in Clause 3: **bold**.

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

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

AUDIO, VIDEO AND INFORMATION TECHNOLOGY EQUIPMENT – ROUTINE ELECTRICAL SAFETY TESTING IN PRODUCTION

1 Scope

This International Standard defines **routine electrical safety test** procedures for use during or after manufacturing of complete equipment, sub-assemblies or components, complying with IEC 60065, IEC 60950-1 or IEC 62368-1 and powered by an **a.c. mains supply** or **d.c. mains supply**, to detect manufacturing failures and unacceptable tolerances in manufacturing and materials.

NOTE All the tests defined in this standard do not necessarily have to be performed at the end product manufacturing location. The optimal location for the **routine electrical safety tests** can be defined by the equipment manufacturer and reviewed under the conformity assessment scheme.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60065, *Audio, video and similar electronic apparatus – Safety requirements*

IEC 60950-1, *Information technology equipment – Safety – Part 1: General requirements*

IEC 62368-1, *Audio/video, information and communication technology equipment – Part 1: Safety requirements*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60065, IEC 60950-1 and IEC 62368-1, as well as the following apply.

3.1
routine electrical safety test
electrical safety test to which each individual equipment is subjected during or at the end of manufacture

4 Conformance

Equipment shall pass the **routine electrical safety tests** of Clause 5 where applicable and the results of these tests shall be recorded according to Clause 6 prior to shipment from the manufacturing site.

NOTE Practical measures can be used to conduct the test, such as finding an appropriate way to make the connections necessary to perform the relevant test.