

<b>STN</b>	<b>Audiozariadenia, videozariadenia a zariadenia informačnej techniky. Kusové skúšanie elektrickej bezpečnosti vo výrobe.</b>	<b>STN EN 50514</b>  36 9062
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Audio, video and information technology equipment - Routine electrical safety testing in production

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/15

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Oznámením tejto normy sa od 21.07.2017 ruší  
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Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 50514**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

ICS 33.160.01; 35.020

Supersedes EN 50514:2008

English Version

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

Appareils audio, vidéo et matériel de traitement de l'information - Essais individuels de série, en production, pour la vérification de la sécurité électrique

Audio- und Video- Geräte und Einrichtungen der Informationstechnik - Stückprüfungen der elektrischen Sicherheit in der Fertigung

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

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## Foreword

This document (EN 50514:2014) has been prepared by CLC/TC 108X, Safety of electronic equipment within the fields of audio/video, information technology and communication technology.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-07-21
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-07-21

This document supersedes EN 50514:2008.

In comparison with EN 50514:2008, the technical change in this document is the addition of requirements for equipment operating on a d.c. mains.

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

This European Standard applies to equipment that complies with EN 60065 or EN 60950-1. Most of the tests specified in those standards are TYPE TESTS. For ROUTINE TESTS, to be carried out during or after manufacture, TYPE TESTS may not be suitable. Nevertheless, it is recognized that some tests are necessary in order to guarantee an acceptable level of safety.

This European Standard defines ROUTINE TESTS to measure the resistance of the earthing path and to check the insulation between the PRIMARY CIRCUIT and accessible conductive parts. In addition, this European Standard defines the documentation to be maintained by the manufacturer in respect of these tests.

This standard is complementary to the product safety standards (EN 60065 or EN 60950-1) and is to be considered only as a tool for voluntary application by manufacturers.

This European Standard can be used in association with Permanent Document CIG 021, *Factory inspection procedures - Harmonised requirements*, of the European Electrical Products Certification Association.

Permanent Document CIG 021 can be obtained from signatory bodies (certification bodies).

In this European Standard, the following print types are used:

- normative text: roman type;
  - *test specifications: italic type;*
  - terms which are defined in EN 60065 or EN 60950-1: SMALL CAPITALS.
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## 1 Scope

This European Standard defines routine test procedures for use during or after manufacturing of complete equipment, sub-assemblies or components, certified or declared as complying with EN 60065 or EN 60950-1 and powered by an a.c. or d.c. mains supply. It defines the ROUTINE ELECTRICAL SAFETY TEST and their procedures to be applied during or at the end of the manufacturing process of apparatus certified or declared as complying with EN 60065 or EN 60950-1.

The application of the tests detailed in this European Standard is design dependent and needs to be defined by the manufacturer.

## 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.

EN 60065, *Audio, video and similar electronic apparatus - Safety requirements (IEC 60065)*

EN 60950-1, *Information technology equipment - Safety - Part 1: General requirements (IEC 60950-1)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**