

**MULTIMEEDIASEADME ELEKTROMAGNETILINE  
ÜHILDUVUS. KIIRGUSNÕUDED**

**Electromagnetic compatibility of multimedia equipment  
- Emission requirements (CISPR 32:2015)**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 55032:2015 +A11:2020 sisaldab Euroopa standardi EN 55032:2015 ja selle muudatuse A1:2020 ja paranduse AC:2016 ingliskeelset teksti.</p>	<p>This Estonian standard EVS-EN 55032:2015 +A11:2020 consists of the English text of the European standard EN 55032:2015 and its amendment A1:2020 and its corrigendum AC:2016.</p>
<p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.07.2015, muudatus A1 06.03.2020.</p>	<p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.</p> <p>Date of Availability of the European standard is 03.07.2015, for A1 06.03.2020.</p>
<p>Parandusega AC lisatud või muudetud teksti algus ja lõpp on tekstis ära märgitud märgenditega <b>AC</b> <b>AC</b>.</p> <p>Sellesse standardisse on muudatus A11 sisse viidud ja tehtud muudatused tähistatud topeltpüstkriipsuga lehe välisveerisel.</p> <p>Selles standardis on rahvusvahelise standardi ühismuudatused tähistatud püstkriipsuga teksti välimisel veerisel.</p> <p>Standard on kättesaadav Eesti Standardikeskusest.</p>	<p>The start and finish of text introduced or altered by amendment AC is indicated in the text by symbols <b>AC</b> <b>AC</b>.</p> <p>The amendment A11 has been incorporated into this standard and changes have been marked by a double vertical line on the outer row of the page.</p> <p>Common modifications have been incorporated into this international standard and changes have been marked by a vertical line on the outer row of the page.</p> <p>The standard is available from the Estonian Centre for Standardisation.</p>

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ICS 33.100.10

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EUROPEAN STANDARD

**EN 55032 + A11**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2015, March 2020

ICS 33.100.10

Supersedes EN 55032:2012

English Version

**Electromagnetic compatibility of multimedia equipment -  
Emission Requirements  
(CISPR 32:2015)**

Compatibilité électromagnétique des équipements  
multimédia - Exigences d'émission  
(CISPR 32:2015)

Elektromagnetische Verträglichkeit von Multimediageräten  
und -einrichtungen - Anforderungen an die Störaussendung  
(CISPR 32:2015)

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Ref. No. EN 55032:2015 E +  
EN 55032:2015/A11:2020 E

## Foreword

The text of document CIS/1/498/FDIS, future edition 2 of CISPR 32, prepared by CISPR SC I "Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 55032:2015.

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) 2016-02-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-05-05

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## Amendment A11 European foreword

This document (EN 55032:2015/A11:2020) has been prepared by CLC/TC 210 "Electromagnetic Compatibility (EMC)".

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) 2020-11-27
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTROMAGNETIC COMPATIBILITY  
OF MULTIMEDIA EQUIPMENT –****Emission requirements****FOREWORD**

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard CISPR 32 has been prepared by CISPR subcommittee I: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.

This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) additional requirements using FAR,
- b) additional requirements for outdoor unit of home satellite receiving systems,
- c) addition of new informative annexes covering GTEM and RVC,
- d) numerous maintenance items are addressed to improve the testing of MME.

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

FDIS	Report on voting
CIS/I/498/FDIS	CIS/I/501/RVD

Full information on the voting for the approval of this publication 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.

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.

**IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.**

The contents of the corrigendum of June 2016 have been included in this copy.

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# ELECTROMAGNETIC COMPATIBILITY OF MULTIMEDIA EQUIPMENT –

## Emission requirements

### 1 Scope

*NOTE* Blue coloured text within this document indicates text that will be aligned with the future MME immunity publication CISPR 35.

This International Standard applies to multimedia equipment (MME) as defined in 3.1.24 and having a rated r.m.s. AC or DC supply voltage not exceeding 600 V.

Equipment within the scope of CISPR 13 or CISPR 22 is within the scope of this publication.

MME intended primarily for professional use is within the scope of this publication.

The radiated emission requirements in this standard are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU, nor to any spurious emissions related to these intentional transmissions.

Equipment, for which emission requirements in the frequency range covered by this publication are explicitly formulated in other CISPR publications (except CISPR 13 and CISPR 22), are excluded from the scope of this publication.

In-situ testing is outside the scope of this publication.

This publication covers two classes of MME (Class A and Class B). The MME classes are specified in Clause 4.

The objectives of this publication are:

- 1) to establish requirements which provide an adequate level of protection of the radio spectrum, allowing radio services to operate as intended in the frequency range 9 kHz to 400 GHz;
- 2) to specify procedures to ensure the reproducibility of measurement and the repeatability of results.

### 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.

CISPR 16-1-1:2010, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus*

CISPR 16-1-1:2010/AMD1:2010

CISPR 16-1-1:2010/AMD2:2014

CISPR 16-1-2:2003<sup>1</sup>, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Conducted disturbances*

CISPR 16-1-2:2003/AMD 1:2004

CISPR 16-1-2:2003/AMD 2:2006

CISPR 16-1-4:2010, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements*

CISPR 16-1-4:2010/AMD1:2012

CISPR 16-2-1:2008<sup>2</sup>, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements*

CISPR 16-2-1:2008/ AMD 1:2010

CISPR 16-2-1:2008/ AMD 2:2013

CISPR 16-2-3:2010, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements*

CISPR 16-2-3:2010/AMD1:2010

CISPR 16-2-3:2010/AMD2:2014

CISPR 16-4-2:2011, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Measurement instrumentation uncertainty*

IEC 61000-4-6:2008<sup>3</sup>, *Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields*

ISO IEC 17025:2005, *General requirements for the competence of testing and calibration laboratories*

ANSI C63.5-2006, *American National Standard (for) Electromagnetic Compatibility – Radiated Emission Measurements in Electromagnetic Interference (EMI) Control – Calibration of Antennas (9 kHz to 40 GHz)*

IEEE Std 802.3, *IEEE Standard for Information technology – Specific requirements – Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications*

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<sup>1</sup> First edition (2003). This first edition has been replaced in 2014 by a second edition CISPR 16-1-2:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Coupling devices for conducted disturbance measurements*.

<sup>2</sup> First edition (2008). This first edition has been replaced in 2014 by a second edition CISPR 16-2-1:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements*.

<sup>3</sup> Third edition (2008). This third edition has been replaced in 2013 by a fourth edition IEC 61000-4-6:2013, *Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields*.