

**MULTIMEEDIASEADME ELEKTROMAGNETILINE  
ÜHILDUVUS. KIIRGUSNÕUDED**

**Electromagnetic compatibility of multimedia equipment  
- Emission requirements (CISPR 32:2015 + CISPR  
32:2015/A1:2019)**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 55032:2015+A11+A1:2020 sisaldab Euroopa standardi EN 55032:2015 ja selle muudatuste A11:2020 ja A1:2020 ning paranduse AC:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 55032:2015+A11+A1:2020 consists of the English text of the European standard EN 55032:2015 and its amendments A11:2020 and A1:2020; and its corrigendum AC:2016.
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ICS 33.100.10

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EUROPEAN STANDARD

**EN 55032 + A11 + A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2015, March 2020, December 2020

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Supersedes EN 55032:2012

English Version

**Electromagnetic compatibility of multimedia equipment -  
Emission Requirements  
(CISPR 32:2015 + CISPR 32:2015/A1:2019)**

Compatibilité électromagnétique des équipements  
multimédia - Exigences d'émission  
(CISPR 32:2015 + CISPR 32:2015/A1:2019)

Elektromagnetische Verträglichkeit von Multimediageräten  
und -einrichtungen - Anforderungen an die Störaussendung  
(CISPR 32:2015 + CISPR 32:2015/A1:2019)

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EN 55032:2015/A11:2020 E +  
EN 55032:2015/A1:2020 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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-05-05

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For the relationship with EU Directive see informative Annex ZZ, which is an integral part of this document.

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The text of the International Standard CISPR 32:2015 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:

CISPR 13:2009	NOTE	Harmonized as EN 55013:2013 (modified).
CISPR 16 Series	NOTE	Harmonized as EN 55016 Series.
CISPR 22:2008	NOTE	Harmonized as EN 55022:2010 (modified).

## **A11** Amendment A11 European foreword

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

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- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-11-27

This document amends EN 55032:2015.

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## **A1** Amendment A1 European foreword

The text of document CIS/1/617/FDIS, future CISPR 32/A1, prepared by CISPR SC I "Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers" of CISPR "International special committee on radio interference" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 55032:2015/A1:2020.

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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

**A1** AMENDMENT A1 FOREWORD

This amendment has been prepared by subcommittee CISPR I: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers, of IEC technical committee CISPR: International special committee on radio interference.

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

FDIS	Report on voting
CIS/I/617/FDIS	CIS/I/623/RVD

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

The committee has decided that the contents of this amendment and the base 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.**

# 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.

**A1** *deleted text* **A1**

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

**A1** The emission requirements in this standard are not intended to be applicable to the intentional transmissions from a radio communication device operated in accordance with the ITU-R Radio Regulations, nor to any spurious emissions related to these intentional transmissions. **A1**

**A1** Equipment for which emission requirements in the frequency range covered by this publication are explicitly formulated in other CISPR publications is excluded from the scope of this publication. **A1**

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.

**A1** CISPR 16-1-1:2015, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus* **A1**

**A1** 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*  
CISPR 16-1-2:2014/AMD1:2017 **A1**

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

**A1** CISPR 16-1-4:2010/AMD2:2017 **A1**

**A1** CISPR 16-1-5:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-5: Radio disturbance and immunity measuring apparatus – Antenna calibration sites and reference test sites for 5 MHz to 18 GHz*  
CISPR 16-1-5:2014/AMD1:2016

CISPR 16-1-6:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration*  
CISPR 16-1-6:2014/AMD 1:2017 **A1**

**A1** 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*  
CISPR 16-2-1:2014/AMD1:2017 **A1**

**A1** CISPR 16-2-3:2016, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements* **A1**

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*

**A1** CISPR 16-4-2:2011/AMD1:2014

CISPR 16-4-2:2011/AMD2:2018 **A1**

IEC 61000-4-6:2008 <sup>1</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*

**A1** *deleted text* **A1**

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> 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*.