

STN	Elektromagnetická kompatibilita multimediálnych zariadení Požiadavky na emisie Zmena A1	STN EN 55032/A1
		33 4232

Electromagnetic compatibility of multimedia equipment - Emission Requirements

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. 03/21

STN EN 55032 z decembra 2015 sa bez tejto zmeny A1 môže používať do 4. 12. 2023.

Obsahuje: CISPR 32:2015/AMD1:2019, EN 55032:2015/A1:2020

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 55032:2015/A1

December 2020

ICS 33.100.10

English Version

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

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

Elektromagnetische Verträglichkeit von Multimediacrägen
und Einrichtungen - Anforderungen an die Störaussendung
(CISPR 32:2015/A1:2019)

This amendment A1 modifies the European Standard EN 55032:2015; it was approved by CENELEC on 2019-11-05. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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.

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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

EN 55032:2015/A1:2020 (E)**European foreword**

The text of document CIS/I/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.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-06-04 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2023-12-04 document have to be withdrawn

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

Endorsement notice

The text of the International Standard CISPR 32:2015/A1:2019 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 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.

Replace Annex ZA of EN 55032:2015 by the following one:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	-	-
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	EN 55016-1-2	2014
+ A1	2017		+ A1	2018
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	EN 55016-1-4	2010
+ A1	2012		+ A1	2012
+ A2	2017		+ A2	2017
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	EN 55016-1-5	2015
+ A1	2016		+ A1	2017

EN 55032:2015/A1:2020 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	EN 55016-1-6	2015
+ A1	2017		+ A1	2017
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	EN 55016-2-1	2014
+ A1	2017		+ A1	2017
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	EN 55016-2-3	2017
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	EN 55016-4-2	2011
+ A1	2014		+ A1	2014
+ A2	2018		+ A2	2018
IEC 61000-4-6	2008	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	-	-
IEEE Std 802.3	-	IEEE Standard for Ethernet	-	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

AMENDMENT 1 AMENDEMENT 1

Electromagnetic compatibility of multimedia equipment – Emission requirements

**Compatibilité électromagnétique des équipements multimédia – Exigences
d'émission**





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INTERNATIONAL STANDARD

NORME INTERNATIONALE



INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

AMENDMENT 1

AMENDEMENT 1

Electromagnetic compatibility of multimedia equipment – Emission requirements

Compatibilité électromagnétique des équipements multimédia – Exigences
d'émission

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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.

1 Scope

Delete the second paragraph starting with "Equipment within the scope..".

Replace the fourth paragraph with the following:

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.

Replace the fifth paragraph with the following:

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.

CISPR 32:2015/AMD1:2019
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2 Normative references

Replace the existing reference to CISPR 16-1-1:2010 and its amendments with:

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

Replace the existing reference to CISPR 16-1-2:2003 and its amendments with:

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

Add to CISPR 16-1-4:2010 the following amendment:

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

Replace the existing reference to CISPR 16-2-1:2008 and its amendments with:

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

Replace the existing reference to CISPR 16-2-3:2010 and its amendments with:

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

Add to CISPR 16-4-2:2011 the following amendments:

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

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

Delete the normative reference to ANSI C63.5-2006

Add the following new references to the existing list:

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

As a consequence of the above updates to CISPR 16 normative references the following references throughout the standard require updating as follows. NOTE: some of these may already be addressed with other changes given in this document:

Location of reference	Replace the existing reference	by the following new reference
Clause 2 Footnote 1 to References	CISPR 16-1-2	Delete Footnote 1 related to CISPR 16-1-2
Clause 2 Footnote 2 to References	CISPR 16-2-1	Delete Footnote 2 related to CISPR 16-2-1
3.1.9	CISPR 16-2-1	3.1.28 of CISPR 16-2-1:2014/AMD1:2017
Clause 9	Table 1 of CISPR 16-4-2:2011	Table 1 of CISPR 16-4-2: 2011/ AMD1:2014/AMD2:2018
Clause 11	CISPR 16-4-2	CISPR 16-4-2: 2011/AMD1:2014/AMD2:2018, Clauses 5, 7 and 8
Table A.1, footnote to table	CISPR 16-1-4:2010 /AMD1:2012	Delete Note to Table
Table A.1, footnote to table	CISPR 16-2-3:2010/ AMD1:2010	Delete Note to Table
Table A1.1	5.3 of CISPR 16-1-4:2010/AMD1:2012	5.3 of CISPR 16-1-4:2010/AMD1:2012
Table A1.1	7.3 of CISPR 16-2-3:2010	7.3 of CISPR 16-2-3:2016
Table A1.2	5.2 of CISPR 16-1-4:2010/AMD1:2012	5.2 of CISPR 16-1-4:2010/AMD1:2012
Table A1.2	7.3 of CISPR 16-2-3:2010	7.3 of CISPR 16-2-3:2016
Table A1.3	8.3 of CISPR 16-1-4:2010/AMD1:2012	8.3 of CISPR 16-1-4:2010/ AMD1:2012/AMD2:2017
Table A1.3	7.6.6 of CISPR 16-2-3:2010	7.6.6 of CISPR 16-2-3:2016
Table A1.4	5.4.7 of CISPR 16-1-4:2010/AMD1:2012	5.4.7 of CISPR 16-1-4:2010/AMD1:2012
Table A1.4	Annex C and 7.4 of CISPR 16-2-3:2010	7.4 of CISPR 16-2-3:2016
Table A.8, footnote to table	CISPR 16-1-2:2003/AMD1:2004/ AMD 2:2006	Delete Note to Table
Table A.8, footnote to table	CISPR 16-2-1:2008/AMD1:2010 /AMD2:2013	Delete Note to Table
Table A8.1	Clause 4 of CISPR 16-1-2:2003	Clause 4 of CISPR 16-1-2:2014/ AMD1:2017
Table A8.1	Clause 7 of CISPR 16-2-1:2008	Clause 7 of CISPR 16-2-1:2014/ AMD1:2017
Table A8.2	Clause 7 of CISPR 16-1-2:2003	Clause 7 of CISPR 16-1-2:2014
Table A8.2	Clause 7 of CISPR 16-2-1:2008	Clause 7 of CISPR 16-2-1:2014/ AMD1:2017
Table A8.3	5.1 of CISPR 16-1-2:2003	5.1 of CISPR 16-1-2:2014
Table A8.3	Clause 7 of CISPR 16-2-1:2008	Clause 7 of CISPR 16-2-1:2014/ AMD1:2017
Table A8.4	5.2.2 of CISPR 16-1-2:2003	5.2.2 of CISPR 16-1-2:2014
Table A8.4	Clause 7 of CISPR 16-2-1:2008	Clause 7 of CISPR 16-2-1:2014/ AMD1:2017
Table C.1 row 6	CISPR 16-1-2:2003/AMD1:2004/ AMD2:2006, Figure 5 and Figure 6	CISPR 16-1-2:2014/AMD1:2017, Figure 5
C.2.2.1	CISPR 16-1-1:2010, Clause 2	CISPR 16-1-1:2015, Clauses 4, 5, 6 and 7
C.2.2.1	CISPR 16-1-1:2010, Clause 6	CISPR 16-1-1:2015, Clause 6
C.2.2.3	Annex A of CISPR 16-2-3:2010/ AMD1:2010	Annex A of CISPR 16-2-3:2016
C.2.2.4	Tables 1 and 2 of CISPR 16-1-4:2010/ AMD1:2012	Tables 8, 9 and 10 of CISPR 16-1-4:2010/ AMD1:2012
C.3.5	6.5.1 of CISPR 16-2-1:2008/ AMD1:2010/AMD 2:2013	6.5.1 of CISPR 16-2-1:2014
C.3.6	6.5.1 of CISPR 16-2-1:2008/ AMD1:2010/AMD 2:2013	6.5.1 of CISPR 16-2-1:2014

CISPR 32:2015/AMD1:2019
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Location of reference	Replace the existing reference	by the following new reference
C.3.7	6.5.1 of CISPR 16-2-1:2008/ AMD1:2010/AMD 2:2013	6.5.1 of CISPR 16-2-1:2014
C.3.8	6.5.1 of CISPR 16-2-1:2008/ AMD1:2010/AMD 2:2013	6.5.1 of CISPR 16-2-1:2014
C.4.1.4	5.1 of CISPR 16-1-2:2003/ AMD1:2004/AMD 2:2006	5.1 of CISPR 16-1-2:2014
C.4.1.5	5.2.2 of CISPR 16-1-2:2003/ AMD1:2004/AMD 2:2006	5.2.2 of CISPR 16-1-2:2014
C.4.4	CISPR 16-1-4:2010/AMD1:2012	CISPR 16-1-4:2010/AMD1:2012, 5.4
D.1.2	5.5.2 of CISPR 16-1-4:2010/ AMD1:2012	5.5.2 of CISPR 16-1-4:2010/ AMD1:2012
G.2.3	5.2.2 of CISPR 16-1-2:2003/ AMD1:2004/AMD 2:2006	5.2.2 of CISPR 16-1-2:2014
Annex E	Annex B of CISPR 16-2-1:2008/ AMD1:2010/AMD 2:2013	Annex B of CISPR 16-2-1:2014

koniec náhľadu – text ďalej pokračuje v platenej verzii STN