



SLOVENSKI STANDARD
SIST EN 55015:1997/A1:1998
01-september-1998

Limits and methods of measurement of radio disturbance characteristics of electrical lighting equipment and similar equipment - Amendment A1 (CISPR 15:1996/A1:1997)

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

Grenzwerte und Meßverfahren für Funkstörungen von elektrischen Beleuchtungseinrichtungen und ähnlichen Elektrogeräten
(standards.iteh.ai)

Limites et méthodes de mesure des perturbations radioélectriques produites par les appareils électriques d'éclairage et les appareils analogues

Ta slovenski standard je istoveten z: EN 55015:1996/A1:1997

ICS:

33.100.99 Drugi vidiki v zvezi z EMC Other aspects related to EMC

SIST EN 55015:1997/A1:1998 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 55015/A1

July 1997

ICS 33.100

Descriptors: Radio disturbance, method of measurement, lighting equipment, luminaire, limit, evaluation, statistics

English version

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:1996/A1:1997)

Limites et méthodes de mesure des perturbations radioélectriques produites par les appareils électriques d'éclairage et les appareils analogues (CISPR 15:1996/A1:1997)

Grenzwerte und Meßverfahren für Funkstörungen von elektrischen Beleuchtungseinrichtungen und ähnlichen Elektrogeräten (CISPR 15:1996/A1:1997)

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This amendment A1 modifies the European Standard EN 55015:1996; it was approved by CENELEC on 1997-07-01. 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 Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
Urad RS za standardizacijo in meroslovje
LJUBLJANA

SIST. EN 55015/A1

PREVZET PO METODI RAZGLASITVE

-09- 1998

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document CISPR/F/211/FDIS, future amendment 1 to CISPR 15:1996, prepared by CISPR SC F, Interference relating to household appliances, tools, lighting equipment and similar apparatus, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 55015:1996 on 1997-07-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1998-06-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2000-01-01

Endorsement notice

The text of amendment 1:1997 to the International Standard CISPR 15:1996 was approved by CENELEC as an amendment to the European Standard without any modification.

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COMMISSION
ÉLECTROTECHNIQUE
INTERNATIONALE

CISPR
15

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

1996

AMENDEMENT 1
AMENDMENT 1

1997-06

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

Amendement 1

**Limites et méthodes de mesure
des perturbations radioélectriques
produites par les appareils électriques
d'éclairage et les appareils analogues**

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Amendment 1

**Limits and methods of measurement
of radio disturbance characteristics
of electrical lighting and similar equipment**

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IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

C

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by CISPR subcommittee F: Interference relating to household appliances, tools, lighting equipment and similar apparatus.

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

FDIS	Report on voting
CISPR/F/211/FDIS	CISPR/F/222/RVD

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

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4.3 Disturbance voltages

Replace the existing table 2a by the following new table 2a:

Table 2a – Disturbance voltage limits at mains terminals
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Frequency range	Limits dB(μ V)*	
	Quasi-peak	Average
9 kHz to 50 kHz**	110	–
50 kHz to 150 kHz**	90 to 80***	–
150 kHz to 0,5 MHz	66 to 56***	56 to 46***
0,5 MHz to 2,51 MHz	56	46
2,51 MHz to 3,0 MHz	73	63
3,0 MHz to 5,0 MHz	56	46
5 MHz to 30 MHz	60	50

* At the transition frequency the lower limit applies.

** The limit values in the frequency range 9 kHz to 150 kHz are considered to be "provisional limits" which may be modified after some years of experience.

*** The limit decreases linearly with the logarithm of the frequency in the ranges 50 kHz to 150 kHz and 150 kHz to 0,5 MHz.

NOTE – In Japan the limits in the frequency range 9 kHz to 150 kHz are not applicable. Moreover, the limits 56 dB(μ V) quasi-peak and 46 dB(μ V) average apply in between 2,51 MHz and 3 MHz.

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Table 3 – Radiated electromagnetic disturbance limits

In the heading, replace "dB(A)" by "dB(μA)*".*

Page 43

8.6 Self-ballasted lamps and semi-luminaires

Add, to the end of the second paragraph, the following new text:

.... of the V-network. However, for self-ballasted lamps having an operating frequency within the range 2,51 MHz to 3,0 MHz, the following circuit shall be used. The lamp is fitted in an appropriate lampholder and placed 0,4 m above a metal plate of dimensions at least 2 m × 2 m and shall be kept at least 0,8 m from any other earthed conducting surface. The artificial mains network (V-network) shall also be placed at a distance from at least 0,8 m from the lamp and the lead between lampholder and V-network shall not exceed 1 m. The plate shall be connected to the reference earth of the V-network.

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Subclause 10.3.2

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In the formula, replace the minus sign by a plus sign to obtain:

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Would you please take a minute to answer the survey on the other side and mail or fax to:

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3, rue de Varembe

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Fax to: CSC at +41 22 919 03 00

Thank you for your contribution to the standards making process.

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A Prioritaire

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International Electrotechnical Commission
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1211 GENEVA 20
Switzerland

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No. of IEC standard:
.....

2.
Tell us why you have the standard.
(check as many as apply). I am:
 the buyer
 the user
 a librarian
 a researcher
 an engineer
 a safety expert
 involved in testing
 with a government agency
 in industry
 other.....

3.
This standard was purchased from?
.....

4.
This standard will be used
(check as many as apply):
 for reference
 in a standards library
 to develop a new product
 to write specifications
 to use in a tender
 for educational purposes
 for a lawsuit
 for quality assessment
 for certification
 for general information
 for design purposes
 for testing
 other.....

5.
This standard will be used in conjunction
with (check as many as apply):
 IEC
 ISO
 corporate
 other (published by.....)
 other (published by.....)
 other (published by.....)

6.
This standard meets my needs
(check one)
 not at all
 almost
 fairly well
 exactly

7.
Please rate the standard in the following
areas as (1) bad, (2) below average,
(3) average, (4) above average,
(5) exceptional, (0) not applicable:
 clearly written
 logically arranged
 information given by tables
 illustrations
 technical information

8.
I would like to know how I can legally
reproduce this standard for:
 internal use
 sales information
 product demonstration
 other.....

9.
In what medium of standard does your
organization maintain most of its
standards (check one):
 paper
 microfilm/microfiche
 mag tapes
 CD-ROM
 floppy disk
 on line

9A.
If your organization currently maintains
part or all of its standards collection in
electronic media, please indicate the
format(s):
 raster image
 full text

10.
In what medium does your organization
intend to maintain its standards collection
in the future (check all that apply):
 paper
 microfilm/microfiche
 mag tape
 CD-ROM
 floppy disk
 on line

10A.
For electronic media which format will be
chosen (check one)
 raster image
 full text

11.
My organization is in the following sector
(e.g. engineering, manufacturing)
.....

12.
Does your organization have a standards
library:
 yes
 no

13.
If you said yes to 12 then how many
volumes:
.....

14.
Which standards organizations
published the standards in your
library (e.g. ISO, DIN, ANSI, BSI,
etc.):
.....

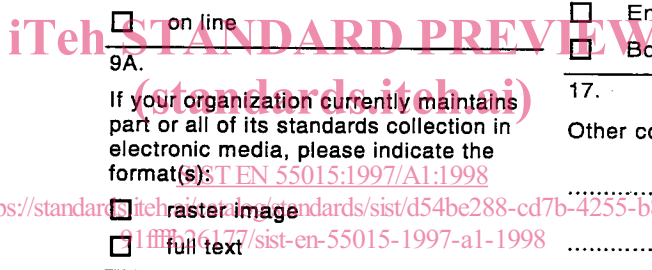
15.
My organization supports the
standards-making process (check as
many as apply):
 buying standards
 using standards
 membership in standards
organization
 serving on standards
development committee
 other.....

16.
My organization uses (check one)
 French text only
 English text only
 Both English/French text

17.
Other comments:
.....
.....
.....
.....
.....

18.
Please give us information about you
and your company
name:
job title:.....
company:

address:.....
.....
.....
.....
No. employees at your location:.....
turnover/sales:.....



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