

Vervangt NEN-EN 55013:1994; NEN-EN 55013:1994/C1:1998; NEN-EN 55013:1994/A12:1995; NEN-EN 55013:1994/A12:1995/C1:1998; NEN-EN 55013:1994/A13:1997; NEN-EN 55013:1994/A14:1999

Nederlandse norm

# **NEN-EN 55013** (en)

Radio en televisieomroepontvangers en toebehoren - Radiostoring - Grenswaarden en meetmethoden (CISPR 13:2001,MOD)

Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 13:2001,MOD)

ICS 33.100.01; 33.160.20; 33.160.25

februari 2002

Als Nederlandse norm is aanvaard:

- EN 55013:2001, IDT
- CISPR 13:2001, MOD

In deze publicatie zijn achter het Nederlands voorblad en de Europese aanvaardingsbladen de Engelstalige (oneven) bladzijden uit de CISPR opgenomen.

Nederlands Elektrotechnisch Comité (NEC)  
Normcommissie NEC "EMC 1"

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## Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

| <u>vermelde norm</u> | <u>Nederlandse norm</u> | <u>titel</u>   |
|----------------------|-------------------------|--|
| CISPR 16-1:1999      | NEN-CISPR 16-1:1999     | Specificatie voor meetapparatuur en meetmethoden voor radiostoringen en immuniteit - Deel 1: Meetapparatuur voor radiostoringen en immuniteit (en,fr)    |
| CISPR 16-2:1996      | NEN-CISPR 16-2:1998     | Specificatie voor meetontvangers en meetmethoden voor radiostoringen en -immuniteit - Deel 2: Methode voor het meten van storingen en immuniteit (en,fr) |
| CISPR 22:1997        | NEN-EN 55022:1999       | Gegevensverwerkende apparatuur - Radiostoringskenmerken - Grenswaarden en meetmethoden (CISPR 22:1997, gewijzigd) (en)                                   |
| IEC 60050-161:1990   | NEN 10050-161:1991      | Internationale elektrotechnische woordenlijst - Hoofdstuk 161: Elektromagnetische compatibiliteit (en,fr,ru)   |
| IEC 60728-2          | -                       | -  |
| ITU-R BT 471-1:1994  | -                       | -  |

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EUROPEAN STANDARD

**EN 55013**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 33.100.10

Supersedes EN 55013:1990 + A12:1994 + A13:1996 + A14:1999

English version

**Sound and television broadcast receivers  
and associated equipment -  
Radio disturbance characteristics -  
Limits and methods of measurement  
(CISPR 13:2001, modified)**

Récepteurs de radiodiffusion et de  
télévision et équipements associés -  
Caractéristiques des perturbations  
radioélectriques -  
Limites et méthodes de mesure  
(CISPR 13:2001, modifiée)

Ton- und Fernseh-Rundfunkempfänger  
und verwandte Geräte der  
Unterhaltungselektronik -  
Funkstöreigenschaften -  
Grenzwerte und Messverfahren  
(CISPR 13:2001, modifiziert)

This European Standard was approved by CENELEC on 2001-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 European Standard 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**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/E/213/FDIS, future edition 4 of CISPR 13, prepared by CISPR SC E, Interference relating to radio receivers, was submitted to the IEC-CENELEC parallel vote. Together with a common modification prepared by SC 210A, EMC Products, of Technical Committee CENELEC TC 210, Electromagnetic compatibility (EMC), it was approved by CENELEC as EN 55013 on 2001-09-01.

This European Standard supersedes EN 55013:1990 + A12:1994 + A13:1996 + A14:1999.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-09-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

### Endorsement notice

The text of the International Standard CISPR 13:2001 was approved by CENELEC as a European Standard with agreed common modifications as given below.

#### COMMON MODIFICATIONS

Table 5, **delete** note b and the six references to note b in column 4.

Bibliography, **add** the following note for CISPR 11.

NOTE CISPR 11:1997, mod., is harmonized as EN 55011:1998.

**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>   | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| CISPR 16-1         | 1998        | Specification for radio disturbance and immunity measuring apparatus and methods<br>Part 1: Radio disturbance and immunity measuring apparatus | -            | -           |
| CISPR 16-2         | 1996        | Part 2: Methods of measurement of disturbances and immunity  | -            | -           |
| CISPR 22 (mod)     | 1997        | Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement                                       | EN 55022     | 1998        |
| IEC 60050-161      | 1990        | International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility   | -            | -           |
| IEC 60728-2        |             | Cabled distribution systems for television and sound signals<br>Part 2: Electromagnetic compatibility of equipment                             | -            | -           |
| ITU-R BT.471-1     | 1994        | Nomenclature and description of colour bar signals   | -            | -           |

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Fourth edition  
2001-04

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

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**Récepteurs de radiodiffusion et de télévision  
et équipements associés –  
Caractéristiques des perturbations  
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Limits and methods of measurement**



Numéro de référence  
Reference number  
CISPR 13:2001



## Révision de la présente publication

Le contenu technique des publications de la CEI et du CISPR est constamment revu par la Commission et par le CISPR afin qu'il reflète bien l'état actuel de la technique.

Les renseignements relatifs à des questions à l'étude et des travaux en cours entrepris par le comité technique qui a établi cette publication, ainsi que la liste des publications établies, se trouvent dans les documents ci-dessous:

- **Site web de la CEI\***
- **Catalogue des publications de la CEI**  
Publié annuellement et mis à jour mensuellement  
(Catalogue en ligne)\*
- **iec e-tech**  
Disponible à la fois sur le site web de la CEI\* et comme périodique imprimé

## Terminologie utilisée dans la présente publication

Seuls sont définis ici les termes spéciaux se rapportant à la présente publication.

En ce qui concerne la terminologie générale, le lecteur se reportera à la CEI 60050: *Vocabulaire Electrotechnique International (VEI)*, qui est établie sous forme de chapitres séparés traitant chacun d'un sujet défini, l'Index général étant publié séparément. Des détails complets sur le VEI peuvent être obtenus sur demande.

Pour les termes concernant les perturbations radioélectriques, voir le chapitre 902.

## Symboles graphiques et littéraux

Pour les symboles graphiques, les symboles littéraux et les signes d'usage général approuvés par la CEI, le lecteur consultera la CEI 60027: *Symboles littéraux à utiliser en électrotechnique* et la CEI 60617: *Symboles graphiques pour schémas*;

Les symboles et signes contenus dans la présente publication ont été soit tirés de la CEI 60027 ou CEI 60617, soit spécifiquement approuvés aux fins de cette publication.

\* Voir adresse du site web sur la page de titre.

## Revision of this publication

The technical content of IEC and CISPR publications is kept under constant review by the IEC and CISPR, thus ensuring that the content reflects current technology.

Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is to be found at the following IEC sources:

- **IEC web site\***
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## Terminology used in this publication

Only special terms required for the purpose of this publication are defined herein.

For general terminology, readers are referred to IEC 60050: *International Electrotechnical Vocabulary (IEV)*, which is issued in the form of separate chapters each dealing with a specific field, the General Index being published as a separate booklet. Full details of the IEV will be supplied on request.

For terms on radio interference, see Chapter 902.

## Graphical and letter symbols

For graphical symbols, and letter symbols and signs approved by the IEC for general use, readers are referred to IEC 60027: *Letter symbols to be used in electrical technology* and IEC 60617: *Graphical symbols for diagrams*;

The symbols and signs contained in the present publication have either been taken from IEC 60027 or IEC 60617, or have been specifically approved for the purpose of this publication.

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