



# MALAYSIAN STANDARD

MS CISPR 18-3:2003

## RADIO INTERFERENCE CHARACTERISTICS OF OVERHEAD POWER LINES AND HIGH- VOLTAGE EQUIPMENT - PART 3: CODE OF PRACTICE FOR MINIMIZING THE GENERATION OF RADIO NOISE (CISPR 18-3: 1986 and its Amendment 1:1996, IDT)

**ICS: 33.100.01**

Descriptors: radio interference, characteristic, overhead power lines, high voltage equipment, minimizing, generation, radio noise

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The Electrotechnical Industry Standards Committee (ISC E) under whose supervision this Malaysian Standard was developed comprises representatives from the following organisations:

- Department of Standards Malaysia
- Federation of Malaysian Consumers Association
- Federation of Malaysian Manufacturers
- Jabatan Kerja Raya
- Malaysian Electrical Appliances and Distributors Association
- Malaysian Electric Cables and Wires Association
- Ministry of Domestic Trade and Consumer Affairs
- Pusat Tenaga Malaysia
- Suruhanjaya Komunikasi dan Multimedia Malaysia
- Suruhanjaya Tenaga
- The Electrical and Electronics Association of Malaysia
- The Institution of Engineers, Malaysia
- Universiti Teknologi Malaysia

The Technical Committee on Electromagnetic which developed this Malaysian Standard consists of representatives from the following organisations:

- Federation of Malaysian Manufacturers
- Ministry of Domestic Trade and Consumer Affairs
- SIRIM Berhad (Secretariat)
- SIRIM QAS Sdn Bhd
- Suruhanjaya Komunikasi dan Multimedia Malaysia
- Suruhanjaya Tenaga
- Tenaga Nasional Berhad Research Sdn Bhd
- The Electrical and Electronics Association of Malaysia
- The Institution of Engineers, Malaysia
- Universiti Teknologi Malaysia

**NATIONAL FOREWORD**

This Malaysian Standard was developed by the Technical Committee on Electromagnetic Compatibility under the authority of the Electrotechnical Industry Standards Committee.

This Malaysian Standard is identical with CISPR 18-3:1986 and its Amendment 1:1996, Radio interference characteristics of overhead power lines and high-voltage equipment Part 3: Code of practice for minimizing the generation of radio noise, published by the International Electrotechnical Commission (IEC). The text of the IEC Standard is recommended for publication as a Malaysian Standard without deviation. However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, “this IEC Standard” should read “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any), to read as a full point; and
- c) the basic CISPR 18-3 is printed in English and French languages. However, only the English version on odd pages is retained for this Malaysian Standard.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i. e. a standard where the technical content, structure, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.

COMMISSION  
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Première édition  
First edition  
1986-09

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

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**Caractéristiques des lignes et des équipements  
à haute tension relatives aux perturbations  
radioélectriques**

**Troisième partie:  
Code pratique de réduction du bruit radioélectrique**

**Radio interference characteristics of  
overhead power lines and high-voltage equipment**

**Part 3:  
Code of practice for minimizing the generation  
of radio noise**



Numéro de référence  
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CISPR 18-3: 1986

## 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 régulièrement  
(Catalogue en ligne)\*
- **Bulletin de la CEI**  
Disponible à la fois au «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 radio-électriques, 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;*
- 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.

\* «Site web» de la CEI <http://www.iec.ch>

## 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\***
- **Catalogue of IEC publications**  
Published yearly with regular updates  
(On-line catalogue)\*
- **IEC Bulletin**  
Available both at the IEC web site\* and as a printed periodical

## 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;*
- 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.

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

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