



MALAYSIAN STANDARD

MS IEC 60065:2007

**AUDIO, VIDEO AND SIMILAR ELECTRONIC
APPARATUS - SAFETY REQUIREMENTS
(SECOND REVISION)
(IEC 60065:2005, IDT)**

ICS: 97.020

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Committee representation

The Electrotechnical-2 Industry Standards Committee (ISC S) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of the Computer and Multimedia Industry of Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Kerja Raya Malaysia
Kementerian Dalam Negeri dan Hal Ehwal Pengguna
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Ministry of International Trade and Industry
Persatuan Pengguna-Pengguna Standard Malaysia
Pusat Tenaga Malaysia
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification Section)
Suruhanjaya Komunikasi dan Multimedia Malaysia
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
Universiti Multimedia
Universiti Tenaga Nasional

The Technical Committee on Safety of Audio, Video and IT Equipments which supervises adoption of the IEC Standard consists of representatives from the following organisations:

Association of the Computer and Multimedia Industry of Malaysia
Malaysian Electrical Appliances and Distribution Association
Radio TV Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Section)
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
Universiti Malaya
Universiti Multimedia
Universiti Putra Malaysia

The Working Group on Audio, Video and Similar Electronic Apparatus – Safety Requirements which recommends adoption of the IEC Standard consists of representatives from the following organisations:

Pioneer Technology (M) Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Electrical and Electronic Section)
Sony EMCS (M) Sdn Bhd
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
TM Research and Development

NATIONAL FOREWORD

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on Audio, Video and Similar Electronic Apparatus under the authority of the Electrotechnical - 2 Industry Standards Committee.

This Malaysian Standard is the 2nd Revision of MS IEC 60065:2003, Audio, video and similar electronic apparatus - Safety requirements (First revision), *Audio, video and similar electronic apparatus - Safety requirements*.

This Malaysian Standard is identical with IEC 60065:2005, *Audio, video and similar electronic apparatus - Safety requirements*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply :

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point;
- c) The basis IEC 60065 is printed in English and French languages. However, only the English version is retained for this Malaysian Standard; and
- d) references to International Standards should be replaced by equivalent Malaysian Standards as follows :

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
IEC 60320 (All parts), <i>Appliance couplers for household and similar general purposes</i>	MS IEC 60320 (All parts), <i>Appliance couplers for household and similar general purposes</i>
IEC 60335-1, <i>Household and similar electrical appliances – Safety – Part 1: General requirements</i>	MS IEC 60335-1, <i>Household and similar electrical appliances – Safety – Part 1: General requirements</i>
IEC 60417 (All parts), <i>Graphical symbols for use on equipment</i>	MS IEC 60417 (All parts), <i>Graphical symbols for use on equipment</i>
IEC 60529, <i>Degrees of protection provided by enclosures (IP Code)</i>	MS IEC 60529, <i>Degrees of protection provided by enclosures (IP Code)</i>
IEC 60950, <i>Safety of information technology equipment</i>	MS IEC 60950, <i>Safety of information technology equipment</i>
IEC 61032, <i>Protection of persons and equipment by enclosures – Probes for verification</i>	MS IEC 61032, <i>Protection of persons and equipment by enclosures – Probes for verification</i>
IEC 61058-1, <i>Switches for appliances – Part 1: General requirements</i>	MS IEC 61058-1, <i>Switches for appliances – Part 1: General requirements</i>
IEC 61558-1, <i>Safety of power transformers,, power supply units and similar – Part 1: General requirements and tests and Amendment 1</i>	MS IEC 61558-1, <i>Safety of power transformers,, power supply units and similar – Part 1: General requirements and tests and Amendment 1</i>

NATIONAL FOREWORD *(continued)*

This standard cancels and replaces MS IEC 60065:2003, Audio, video and similar electronic apparatus - Safety requirements (First revision).

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, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

Preview Only

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**AUDIO, VIDEO AND SIMILAR ELECTRONIC APPARATUS –
SAFETY REQUIREMENTS**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60065 has been prepared by IEC technical committee 92: Safety of audio, video and similar electronic equipment.

It has the status of a group safety publication in accordance with IEC Guide 104.

This consolidated version of IEC 60065 is based on the seventh edition (2001) [documents 92/85/FDIS and 92/89/RVD], its amendment 1 (2005) [documents 108/136/FDIS and 108/148A/RVD] and its corrigendum of August 2002.

It bears the edition number 7.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

In this standard, the following print types are used:

- requirements proper: roman type
- *test specifications: italic type*
- NOTES: smaller roman type

For terms defined in clause 2, SMALL CAPITALS are used.

Annexes A, B, C, D, E, F, G, H, J, K and L form an integral part of this standard.

Annexes M and N are for information only.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site 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.