



MALAYSIAN STANDARD

MS IEC 61000-4-16:2008
(CONFIRMED:2015)

**Electromagnetic compatibility (EMC) -
Part 4-16: Testing and measurement
techniques - test for immunity to conducted,
common mode disturbances in the frequency
range 0 HZ to 150 KHZ
(First revision)
(IEC 61000-4-16:2002, IDT)**

IEC 61000-4-16:2002 is endorsed as Malaysian Standard with the reference number MS IEC 61000-4-16:2008.

ICS: 33.100.20

Descriptors: electromagnetic compatibility, testing, measurement technique, immunity, common mode disturbance, 0 Hz to 150 kHz, frequency

NOTE. This MS has been reviewed by the responsible committee and confirmed that its contents are current

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Committee representation

The Industry Standards Committee on Electrotechnical-1 (ISC E) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia
Energy Commission
Federation of Malaysian Consumers Association
Federation of Malaysian Manufacturers
Independent Power Producer Association
Jabatan Kerja Raya Malaysia
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Malaysian Standard Users Association
Ministry of Domestic Trade and Consumer Affairs
Ministry of International Trade and Industry
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Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Power Quality which recommended the adoption of the IEC Standard consists of representatives from the following organisations:

Energy Commission

Federation of Malaysian Manufacturers

Independent Power Producer Association

Jabatan Kerja Raya Malaysia

Ministry of Public Utilities Sarawak (Electrical Inspectorate Unit)

Petroleum Nasional Berhad

SIRIM Berhad (Secretariat)

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The Electrical and Electronics Association of Malaysia

The Institution of Engineers, Malaysia

TNB Research Sdn Bhd

Universiti Teknologi Malaysia

Universiti Teknologi MARA

MS IEC 61000-4-16:2008

NATIONAL FOREWORD

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Technical Committee on Power Quality under the authority of the Industry Standards Committee on Electrotechnical-1.

This Malaysian Standard is the first revision of MS IEC 61000-4-16:2000, *Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz*.

This Malaysian Standard is identical with IEC 61000-4-16:2002, *Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz*, published by the International Electrotechnical Commission (IEC). However, for the purpose 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 61000-4-16 is printed in English and French languages. However, only the English version is retained for this Malaysian Standard;
- d) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced International Standards

Corresponding Malaysian Standards

IEC 60050(161), *International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility*

MS IEC 60050(161), *International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility*

IEC 60068-1, *Environmental testing - Part 1: General and guidance*

MS IEC 60068-1, *Environmental testing - Part 1: General and guidance*

- e) references to International Standard in bibliography should be replaced by equivalent Malaysian Standard as follows:

Referenced International Standard

Corresponding Malaysian Standard

IEC 61000-4-6, *Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 6: Immunity to conducted disturbances induced by radio-frequency fields*

MS IEC 61000-4-6, *Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 6: Immunity to conducted disturbances induced by radio-frequency fields*

NATIONAL FOREWORD (*continued*)

This Malaysian Standard cancels and replaces MS IEC 61000-4-16:2000.

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.