MALAYSIAN STANDARD

MS ISO/IEC 13818-1:2009 (CONFIRMED:2015)

Information technology - Generic coding of moving pictures and associated audio information: Systems (ISO/IEC 13818-1:2007, AMD. 1:2007, COR. 1:2008, IDT)

ISO/IEC 13818-1:2007, Amendment 1:2007 and Technical Corrigendum 1:2008 are endorsed as Malaysian Standard with the reference number MS ISO/IEC 13818-1:2009.

ICS: 35.040

Descriptors: computer graphics, character sets and information coding

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

DEPARTMENT OF STANDARDS MALAYSIA

DEVELOPMENT OF MALAYSIAN STANDARDS

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Confirmed MS: A Malaysian Standard that has been reviewed by the responsible committee and confirmed that its contents are current.

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Technical corrigendum: A corrected reprint of the current edition which is issued to correct either a technical error or ambiguity in a Malaysian Standard inadvertently introduced either in drafting or in printing and which could lead to incorrect or unsafe application of the publication.

NOTE: Technical corrigenda are not to correct errors which can be assumed to have no consequences in the application of the MS, for example minor printing errors.

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Committee representation

The Industry Standards Committee on Information Technology, Telecommunication and Multimedia (ISC G) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Association of the Computer and Multimedia Industry of Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Institut Tadbiran Awam Negara, Malaysia
Malaysian Administrative, Modernisation and Management Planning Unit
Malaysian Communications and Multimedia Commission
Malaysian International Chamber of Commerce and Industry
Malaysian National Computer Confederation
Malaysian Technical Standards Forum Berhad
MIMOS Berhad
Ministry of Domestic Trade and Consumer Affairs
Ministry of Energy, Water and Communications Malaysia
Ministry of International Trade and Industry
Ministry of Science, Technology and Innovation
Multimedia Development Corporation Sdn Bhd
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
Telekom Malaysia Berhad
The Institution of Engineers, Malaysia
Universiti Multimedia
Universiti Teknologi Malaysia

The Technical Committee on Computer Graphics and Multimedia which recommended the adoption of the ISO/IEC Standard consists of representatives from the following organisations:

Multimedia Development Corporation Sdn Bhd
SIRIM Berhad (Secretariat)
Universiti Putra Malaysia
Universiti Teknikal Malaysia Melaka
Universiti Teknologi Malaysia
Universiti Teknologi MARA

NATIONAL FOREWORD

The adoption of the ISO/IEC Standard as a Malaysian Standard was recommended by the Technical Committee on Computer Graphics and Multimedia under the authority of the Industry Standards Committee on Information Technology, Telecommunication and Multimedia.

This Malaysian Standard is identical with ISO/IEC 13818-1:2007, *Information technology - Generic coding of moving pictures and associated audio information: Systems*, including its Amendment 1:2007 and Technical Corrigendum 1:2008, published by the International Organisation for Standardisation (ISO) and 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"; and

b) the comma which is used as a decimal sign (if any), to read as a point.

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 (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.

INTERNATIONAL STANDARD

ISO/IEC 13818-1

Third edition
2007-10-15

Information technology — Generic coding of moving pictures and associated audio information: Systems

Technologies de l'information — Codage générique des images animées et des informations sonores associées: Systèmes

Reference number
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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 13818-1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information,* in collaboration with ITU-T. The identical text is published as ITU-T Rec. H.222.0 (05/2006).

This third edition cancels and replaces the second edition (ISO/IEC 13818-1:2000), which has been technically revised. It also incorporates the Amendments ISO/IEC 13818-1:2000/Amd.1:2003, ISO/IEC 13818-1:2000/Amd.2:2004, ISO/IEC 13818-1:2000/Amd.3:2004, ISO/IEC 13818-1:2000/Amd.4:2005 and ISO/IEC 13818-1:2000/Amd.5:2005, and the Technical Corrigenda ISO/IEC 13818-1:2000/Cor.1:2002, ISO/IEC 13818-1:2000/Cor.2:2002, ISO/IEC 13818-1:2000/Cor.3:2005, ISO/IEC 13818-1:2000/Cor.4:2007.

ISO/IEC 13818 consists of the following parts, under the general title *Information technology — Generic coding of moving pictures and associated audio information*:

— *Part 1: Systems*

— *Part 2: Video*

— *Part 3: Audio*

— *Part 4: Conformance testing*

— *Part 5: Software simulation* [Technical Report]

— *Part 6: Extensions for DSM-CC*

— *Part 7: Advanced Audio Coding (AAC)*

— *Part 9: Extension for real time interface for systems decoders*

— *Part 10: Conformance extensions for Digital Storage Media Command and Control (DSM-CC)*

— *Part 11: IPMP on MPEG-2 systems*