INTERNATIONAL STANDARD

ISO/IEC 13818-1

Fifth edition
2015-07-01

AMENDMENT 4
2016-10-15

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

Part 1: Systems

AMENDMENT 4: New profiles and levels for MPEG4 audio descriptor

Technologies de l'information — Codage générique des images animées et du son associé —

Partie 1: Systèmes

AMENDEMENT 4: Nouveaux profils et niveaux pour le descripteur audio MPEG4

Reference number
ISO/IEC 13818-1:2015/Amd.4:2016(E)

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

Amendment 4 to ISO/IEC 13818-1:2015 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 Rec. ITU-T H.222.0 (07/2016)/Amd.4.

INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

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

Amendment 4

New profile and levels for MPEG-4 audio descriptor

1) Clause 1.2.3

In clause 1.2.3, edit the entry for ISO/IEC 14496-3 to specify:

– ISO/IEC 14496-3:2009 with Amd. 4:2013, *Information technology – Coding of audio-visual objects – Part 3: Audio*.

2) Table 2-72

Replace Table 2-72 with the following:

Table 2-72 – MPEG-4_audio_profile_and_level assignment values

Value	Description
0x00-0x0E	Reserved
0x0F	No audio profile and level defined for the associated MPEG-4 audio stream
0x10	Main profile, level 1
0x11	Main profile, level 2
0x12	Main profile, level 3
0x13	Main profile, level 4
0x14-0x17	Reserved
0x18	Scalable Profile, level 1
0x19	Scalable Profile, level 2
0x1A	Scalable Profile, level 3
0x1B	Scalable Profile, level 4
0x1C-0x1F	Reserved
0x20	Speech profile, level 1
0x21	Speech profile, level 2
0x22-0x27	Reserved
0x28	Synthesis profile, level 1
0x29	Synthesis profile, level 2
0x2A	Synthesis profile, level 3
0x2B-0x2F	Reserved
0x30	High quality audio profile, level 1
0x31	High quality audio profile, level 2
0x32	High quality audio profile, level 3
0x33	High quality audio profile, level 4
0x34	High quality audio profile, level 5
0x35	High quality audio profile, level 6
0x36	High quality audio profile, level 7
0x37	High quality audio profile, level 8
0x38	Low delay audio profile, level 1
0x39	Low delay audio profile, level 2
0x3A	Low delay audio profile, level 3
0x3B	Low delay audio profile, level 4
0x3C	Low delay audio profile, level 5
0x3D	Low delay audio profile, level 6

Table 2-72 – MPEG-4_audio_profile_and_level assignment values

Value	Description
0x3E	Low delay audio profile, level 7
0x3F	Low delay audio profile, level 8
0x40	Natural audio profile, level 1
0x41	Natural audio profile, level 2
0x42	Natural audio profile, level 3
0x43	Natural audio profile, level 4
0x44-0x47	Reserved
0x48	Mobile audio internetworking profile, level 1
0x49	Mobile audio internetworking profile, level 2
0x4A	Mobile audio internetworking profile, level 3
0x4B	Mobile audio internetworking profile, level 4
0x4C	Mobile audio internetworking profile, level 5
0x4D	Mobile audio internetworking profile, level 6
0x4E-0x4F	Reserved
0x50	AAC profile, level 1
0x51	AAC profile, level 2
0x52	AAC profile, level 4
0x53	AAC profile, level 5
0x54	AAC profile, level 6
0x55	AAC profile, level 7
0x56-0x57	Reserved
0x58	High efficiency AAC profile, level 2
0x59	High efficiency AAC profile, level 3
0x5A	High efficiency AAC profile, level 4
0x5B	High efficiency AAC profile, level 5
0x5C	High efficiency AAC profile, level 6
0x5D	High efficiency AAC profile, level 7
0x5E-0x5F	Reserved
0x60	High efficiency AAC v2 profile, level 2
0x61	High efficiency AAC v2 profile, level 3
0x62	High efficiency AAC v2 profile, level 4
0x63	High efficiency AAC v2 profile, level 5
0x64	High efficiency AAC v2 profile, level 6
0x65	High efficiency AAC v2 profile, level 7
0x66-0x67	Reserved
0x68	Extended HE AAC Profile, level 1
0x69	Extended HE AAC Profile, level 2
0x6A	Extended HE AAC Profile, level 3
0x6B	Extended HE AAC Profile, level 4
0x6C	Extended HE AAC Profile, level 6
0x6D	Extended HE AAC Profile, level 7
0x6E-0x6F	reserved
0x70	Baseline USAC Profile, level 1
0x71	Baseline USAC Profile, level 2
0x72	Baseline USAC Profile, level 3
0x73	Baseline USAC Profile, level 4
0x74-0x7F	reserved
0x80	Low Delay AAC Profile, level 1