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AMENDMENT 4
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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

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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 <u>with Amd. 4:2013</u>, *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

Table 2-72 – MPEG-4_audio_profile_and_level assignment values

Value	Description
0x81-0x87	reserved
0x88	Low Delay AAC v2 Profile, level 1
0x89	Low Delay AAC v2 Profile, level 2
0x8A	Low Delay AAC v2 Profile, level 3
0x8B	Low Delay AAC v2 Profile, level 4
0x8C-0x8F	reserved
0x90	High Definition AAC Profile, level 1
0x91-0x97	reserved
0x98	ALS Simple Profile, level 1
0x99-0xFE	reserved
0xFF	Audio profile and level not specified by the MPEG-4_audio_profile_and_level field in this descriptor

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