
Information technology — Coding of audio-visual objects —

Part 3: Audio

AMENDMENT 6: Profiles, levels and downmixing method for 22.2 channel programs

*Technologies de l'information — Codage des objets audiovisuels —
Partie 3: Codage audio
AMENDEMENT 6: .*



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Page 31, 1.5.2.3

Replace:

Table 1.10 — Levels for the AAC Profile

Level	Max. channels/ object	Max. sampling rate [kHz]	Max. PCU	Max. RCU
1	2	24	3	5
2	2	48	6	5
3	NA	NA	NA	NA
4	5	48	19	15
5	5	96	38	15
6	7	48	25	19
7	7	96	50	19

with:

Table 1.10 — Levels for the AAC Profile

Level	Max. channels/ object	Max. sampling rate [kHz]	Max. PCU	Max. RCU
1	2	24	3	5
2	2	48	6	5
3	NA	NA	NA	NA
4	5	48	19	15
5	5	96	38	15
6	7	48	25	19
7	7	96	50	19
8	22	48	73	56
9	22	96	146	56

Page 36, 1.5.2.4

Insert the following new entries into Table 1.14 “audioProfileLevelIndication values” and adapt the “reserved for ISO use” range accordingly:

0x5D	AAC Profile	L8
0x5E	AAC Profile	L9
0x5F - 0x7F	reserved for ISO use	-

Page 13, 4.4.2.1

Replace:

Table AMD4.3 — Syntax of MPEG4_ancillary_data

Syntax	No. of Bits	Mnemonic
MPEG4_ancillary_data() {		
ancillary_data_sync;	8	bslbf
mpeg_audio_type	2	bslbf
dolby_surround_mode	2	bslbf
drc_presentation_mode	2	bslbf
stereo_downmix_mode;	1	bslbf
bs_info_reserved, set to “0”	1	bslbf
anc_data_status_reserved, set to “000”	3	bslbf
downmixing_levels_MPEG4_status	1	bslbf
ancillary_data_extension_status;	1	bslbf
audio_coding_and_compression_status	1	bslbf
coarse_grain_timecode_status	1	bslbf
fine_grain_timecode_status	1	bslbf
if (downmixing_levels_MPEG4_status == 1) {		
center_mix_level_on	1	bslbf
center_mix_level_value	3	bslbf
surround_mix_level_on	1	bslbf
surround_mix_level_value	3	bslbf
}		
If (audio_coding_mode_and_compression_status == 1) {		
audio_coding_mode_reserved	7	bslbf
compression_on	1	bslbf
compression_value	8	bslbf
}		
if(coarse_grain_timecode_status == 1)		
coarse_grain_timecode	16	bslbf
if(fine_grain_timecode_status == 1)		
fine_grain_timecode	16	bslbf
if (ancillary_data_extension_status == 1){		
reserved, set to “0”	1	bslbf
ext_downmixing_levels_status;	1	bslbf
ext_downmixing_global_gains_status;	1	bslbf
ext_downmixing_lfe_level_status;	1	bslbf
reserved, set to “0000”	4	bslbf
if (ext_downmixing_levels_status == 1){		
dmix_a_idx;	3	bslbf
dmix_b_idx;	3	bslbf
reserved, set to “00”	2	bslbf
}		