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TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Coding of audio-visual objects —

Part 4: Conformance testing

AMENDMENT 9: AVC fidelity range extensions conformance

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Codage des objets audiovisuels —

Partie 4: Essai de conformité

AMENDEMENT 9: Conformité des extensions de plage de fidélité AVC

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 14496-4:2004/Amd.9:2006 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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Replace the title of Table AMD 9-2:

Table AMD 9-2 – Bitstreams for High, High 10, High 4:2:2, and High 4:4:4 profile

with:

Table AMD 9-2 – Bitstreams for High, High 10, and High 4:2:2 profile

Remove the following rows from Table AMD 9-22:

4:4:4 12 bit	FREH444-1	Dolby	FREXT9_Dolby_C				X	4 and higher	24
	FREH444-2	Samsung AIT	FREXT10_Samsung_A				X	4 and higher	24

Replace the following rows in Table AMD 9-22:

Auxiliary coded picture	FREAUX-1	Apple	alphaconformanceG	X	X	X	X	2.1 and higher	29.97

Remove the following subclause:

10.6.6.23 Test bitstreams – Fidelity Range Extensions: 4:4:4 12 bit

10.6.6.23.1 Test bitstream #FREH444-1

Specification: All slices are coded as I slices. Each picture contains only one slice. disable_deblocking_filter_idc is equal to 1, specifying disabling of the deblocking filter process. entropy_coding_mode_flag is equal to 0, specifying the CAVLC parsing process. pic_order_cnt_type is equal to 0. frame_mbs_only_flag is equal to 1. chroma_format_idc is equal to 3. Both bit_depth_luma_minus8 and bit_depth_chroma_minus8 are set equal to 4. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T Rec. H.264 | ISO/IEC 14496-10.
Functional stage: Decoding of I slices for 4:4:4 12-bit
Purpose: Check that the decoder can properly decode I slices for 4:4:4 12-bit.

10.6.6.23.2 Test bitstream #FREH444-2

Specification: All slices are coded as IBBP slices. Each picture contains only one slice. disable_deblocking_filter_idc is equal to 1, specifying disabling of the deblocking filter process. entropy_coding_mode_flag is equal to 1, specifying the CABAC parsing process. pic_order_cnt_type is equal to 0. frame_mbs_only_flag is equal to 1. chroma_format_idc is equal to 3. residual_colour_transform_flag is equal to 1. Both bit_depth_luma_minus8 and bit_depth_chroma_minus8 are set equal to 4. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T Rec. H.264 | ISO/IEC 14496-10.
Functional stage: Decoding of I, P, and B slices for 4:4:4 12-bit
Purpose: Check that the decoder can properly decode I, P and B slices for 4:4:4 12-bit with residual colour transform.

Replace:

10.6.6.24 Auxiliary coded picture
10.6.6.24.1 Test bitstream #FREAUX-1
Specification: Coded slices of an auxiliary coded picture are included in this bitstream. The rest of the slices are coded as either an I slice or a P slice. entropy_coding_mode_flag is equal to 1, specifying the CABAC parsing process. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T Rec. H.264 | ISO/IEC 14496-10.
Functional stage: Decoding of coded slices of an auxiliary coded picture
Purpose: Check that the decoder can properly handle coded slices of an auziliary coded picture

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with:

10.6.6.23 Auxiliary coded picture
10.6.6.23.1 Test bitstream #FREAUX-1
Specification: Coded slices of an auxiliary coded picture are included in this bitstream. The rest of the slices are coded as either an I slice or a P slice. entropy_coding_mode_flag is equal to 1, specifying the CABAC parsing process. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T Rec. H.264 | ISO/IEC 14496-10.
Functional stage: Decoding of coded slices of an auxiliary coded picture
Purpose: Check that the decoder can properly handle coded slices of an auziliary coded picture

Remove the following bitstreams:

FREXT9_Dolby_C
FREXT10_Samsung_A

Replace the following bitstream:

alphaconformanceA

with:

alphaconformanceG

Replace the following bitstreams with the electronic attachments to this Technical Corrigendum:

HCBP1_HHI_A
HCBP2_HHI_A
Hi422FREXT16_SONY_A
Hi422FREXT17_SONY_A
Hi422FREXT18_SONY_A
Hi422FREXT19_SONY_A
Hi422FR1_SONY_A
Hi422FR2_SONY_A
Hi422FR3_SONY_A
Hi422FR4_SONY_A
Hi422FR6_SONY_A
Hi422FR7_SONY_A
Hi422FR8_SONY_A
Hi422FR9_SONY_A

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