INTERNATIONAL STANDARD ISO/IEC 14496-4:2004/Amd.9:2006
TECHNICAL CORRIGENDUM 2

Published 2012-08-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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 2

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 2

Technical Corrigendum 2 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*.

Replace the following bitstreams with the new ones contained in the electronic attachments.

Hi422FREXT3_Sony_A
Hi422FREXT8_Sony_A

Replace 6.6.23.6 with the following:

6.6.23.6 Test bitstream #FREH422-6

ICS 35.040 **Ref. No. ISO/IEC 14496-4:2004/Amd.9:2006/Cor.2:2012(E)**

Published in Switzerland

Specification: All slices are coded as I, P or B 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. Spatial direct prediction is used for direct prediction. direct_8x8_inference_flag is equal to 1. chroma_format_idc is equal to 2, specifying 4:2:2 chroma format. Both bit_depth_luma_minus8 and bit_depth_chroma_minus8 are set equal to 0. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T H.264 | ISO/IEC 14496-10.

Functional stage: Decoding of B slices for 4:2:2 8 bit.

Purpose: Check that a decoder can properly decode B slices for 4:2:2 8 bit without deblocking filter.

Replace 6.6.23.10 with the following:

6.6.23.10 Test bitstream #FREH422-10

Specification: All slices are coded as I, P or B 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. Spatial direct prediction is used for direct prediction. direct_8x8_inference_flag is equal to 1. chroma_format_idc is equal to 2, specifying 4:2:2 chroma format. Both bit_depth_luma_minus8 and bit_depth_chroma_minus8 are set equal to 2, specifying 10 bit video. All NAL units are encapsulated into the byte stream format specified in Annex B in ITU-T H.264 | ISO/IEC 14496-10.

Functional stage: Decoding of B slices for 4:2:2 10 bit.

Purpose: Check that a decoder can properly decode B slices for 4:2:2 10 bit without deblocking filter.