



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

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
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## **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*.

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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**

**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.