INTERNATIONAL STANDARD

ISO/IEC 14496-5

Second edition
2001-12-15
AMENDMENT 6
2005-06-15

Information technology — Coding of audio-visual objects —

Part 5:
Reference software

AMENDMENT 6: Advanced Video Coding (AVC) and High Efficiency Advanced Audio Coding (HE AAC) reference software

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Technologies de l'information — Codage des objets audiovisuels —

ISO/IEC 14496-5:2001/Amd 6:2005
Partie 5: Logiciel de référence
https://standards.iteh.ai/catalog/standards/sist/a7bfcad0-987e-457e-835e-
7b1ebd94*AMENDEMENT 6: Logiciel de référence pour le codage visuel avancé (AVC) et le codage audio avancé de rendement élevé*

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW

(standards.iteh.ai)

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 6 to ISO/IEC 14496-5:2001 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This amendment specifies reference software for advanced video coding (AVC) and high-efficiency advanced audio coding (HE AAC). The AVC reference software is made available as a new directory "jm_86" in the video/natural reference software archive. The HE AAC reference software is made available as a revision of the entire audio reference software archive.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Information technology — Coding of audio-visual objects —

Part 5:
Reference software

AMENDMENT 6: Advanced Video Coding (AVC) and High Efficiency Advanced Audio Coding (HE AAC) reference software

Replace clause 3 with:

3   Audio reference software

Location	Content
audio/natural/mp4AudVm_Rewrite	Natural audio decoder
audio/natural/mp4mcDec	Decoder for multichannel t/f streams
audio/natural/epTool	Error protection decoder extension
audio/SNHC/mpeg4sa	Structured audio decoder
audio/SNHC/mpeg4ac	Audio composition software
audio/SNHC/mpeg4ttsi	Text to speech decoder

Replace clause 4 with:

4   Visual reference software

Location	Content
video/natural/MoMuSys -1.0-001220_sony	Natural video decoder in C
video/natural/microsoft -2.3-001213	Natural video decoder in C++
video/snhc/FBA_V2	Face and body animation decoder

video/snhc/m3d20010209	3D mesh decoder integrated by Samsung
video/snhc/Dct	DCT-based FAP decoder
video/snhc/Fit	FIT decoder
video/snhc/Fit_liu	FIT decoder
video/snhc/lst/codec	FAP decoder
video/snhc/Mesh2D	Dynamic 2D mesh geometry and motion decoding
video/snhc/rockwell_epfl_v18	FAP decoder
video/snhc/rockwell_vds2	View-dependent texture decoding with back channel
video/natural/microsoft–vtc-update	Visual Texture encoder in C++
video/natural/jm_86/ldecod	AVC Joint Model (reference 8.6): visual decoder in C

Replace A.1 with:

A.1 Audio encoding software

Location	Content
audio/natural/mp4AudVm	Natural audio encoder
audio/natural/mp4mcEnc	Encoder for multichannel t/f streams
audio/natural/epTool	Error protection encoder extension
audio/natural/aacErrRobTrans	Transcoder for error robust AAC
audio/SNHC/mpeg4sa	Structured audio encoder
audio/SNHC/mpeg4ttsi	Text to speech encoder

Replace A.2 with:

A.2 Visual encoding software

Location	Content
Location	**Content**
video/natural/MoMuSys -1.0-001220_sony	Natural video encoder in C
video/natural/microsoft -2.3-001213	Natural video encoder in C++
video/snhc/FBA_V2	Face and body animation encoder by EPFL
video/snhc/m3d20010209	3D mesh encoder integrated by Samsung
video/snhc/DCT	DCT-based FAP encoder
video/snhc/FIT	FIT encoder
video/snhc/fit_liu	FIT encoder
video/snhc/IST/codec	FAP encoder
video/snhc/Mesh2D	Dynamic 2D mesh geometry and motion encoding
video/snhc/rockwell_epfl_v18	FAP encoder
video/snhc/rockwell_vds2	View-dependent texture encoding with back channel
video/natural/microsoft–vtc-update	Visual Texture encoder in C++
video/natural/jm_86/lencod	AVC Joint Model (reference 8.6): visual encoder in C

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/IEC 14496-5:2001/Amd.6:2005
https://standards.iteh.ai/catalog/standards/sist/a7bfcad0-987e-457e-835e-
7b1ebd944cb2/iso-iec-14496-5-2001-amd-6-2005

Replace B.1 with:

B.1 Audio utility software

Location	Content
audio/natural/conf_*	Tools for audio conformance
audio/natural/errGen	Error generator

iTeh STANDARD PREVIEW
(standards.iteh.ai)

iTeh STANDARD PREVIEW
(standards.iteh.ai)