



Information technology — Multimedia application format (MPEG-A)

Part 9: Digital Multimedia Broadcasting application format

AMENDMENT 1: Conformance and reference software

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Format pour application multimédia (MPEG-A)

Partie 9: Format pour application de diffusion générale multimédia numérique

AMENDEMENT 1: Logiciel de référence et conformité

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to ISO/IEC 23000-9:2008/Amd.1:2010 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 conformance files and the reference software attached to ISO/IEC 23000-9:2008/Amd.1:2010 or ISO/IEC 23000-9:2008/Amd.1:2010/Cor.1:2011 with the corresponding ones attached to this document.

In 8.5, replace the description tables for the conformance files 02, 04, 06, 09, 10 and 13 with the following:

In 8.5 of ISO/IEC 23000-9:2008/Amd.1:2010

File name		02_T-DMB-1_AV_r1.dmb
Description		the same as file '01'
Major brand		dv1b
Compatible brands		dmb1, dv1a, avc1, mp42
Components Inside the file	AVC, ER-BSAC	- each stream is stored as separate track - AVC as AVCSampleEntry('avc1') - ER-BSAC as MP4AudioSampleEntry('mp4a')
	A DID XML (containing TVA and REL)	- a TVA for content description and segment information - a REL for defining a simple license
	14 JPEG images related to TVA	- each image is stored as an item - a program title image - a segment group title image - 12 segment title images

In ISO/IEC 23000-9:2008/Amd.1:2010/Cor.1:2011

File name		04_T-DMB-1_BIFS(ES)_r2.dmb
Description		a golf program with BIFS in a separate track
Major brand		dv1a
Compatible brands		dmb1, dv1b, avc1, mp42
Components Inside the file	AVC, ER-BSAC, OD, BIFS and JPEG images	- each stream is stored as a separate track - AVC as MP4VisualSampleEntry('mp4v') - ER-BSAC as MP4AudioSampleEntry('mp4a') - IOD as ObjectDescriptorBox('iods') - OD as MpegSampleEntry('mp4s') - BIFS as MpegSampleEntry('mp4s') - JPEG as MP4VisualSampleEntry('mp4v')

In 8.5 of ISO/IEC 23000-9:2008/Amd.1:2010

File name		06_T-DMB-1_IPMP(ES)_r1.dmb
Description		the same as file '02'
Major brand		dv1b
Compatible brands		dmb1
Components Inside the file	AVC, ER-BSAC	- each streams is stored as separate track - each ES is encrypted with AES-128 CTR (key: "key1")
	A DID XML (containing TVA, REL and IPMP)	- a TVA for content description and segment information (the same TVA as is in the conformance file 02) - an REL for defining a simple license (the same TVA as in the conformance file 02) - an IPMP for describing the protection tool
	14 JPEG images related to TVA	- each image is stored as an item - a program title image - a segment group title image - 12 segment title images (one of the images is protected with the same tool and key as for the ESs)

In ISO/IEC 23000-9:2008/Amd.1:2010/Cor.1:2011

File name		09_T-DMB-2_TS_r2.dmb
Description		a T-DMB Profile 2 program (Visual Radio)
Major brand		dv2a
Compatible brands		dmb1, dv2b
Components Inside the file	An MPEG-2 TS (containing HE- AAC2, AVC, OD, BIFS and JPEG images)	- stored as an 'rm2t' hint track

In 8.5 of ISO/IEC 23000-9:2008/Amd.1:2010

File name		10_T-DMB-2_AV_r1.dmb
Description		a T-DMB Profile 2 program (Visual Radio)
Major brand		dv2a
Compatible brands		dmb1, dv2b, avc1, mp42
Components Inside the file	AVC, HE-AAC2, OD, BIFS and JPEG images	- each stream is stored as separate track