FINAL
DRAFT

AMENDMENT

ISO/IEC 14496-4:2004 FDAM 35

ISO/IEC JTC **1**

Secretariat: **ANSI**

Voting begins on:
2009-03-16

Voting terminates on:
2009-05-16

Information technology — Coding of audio-visual objects —

Part 4: Conformance testing

AMENDMENT 35: Simple studio profile levels 5 and 6 conformance testing

Technologies de l'information — Codage des objets audiovisuels —

Partie 4: Essai de conformité

AMENDEMENT 35: Essai de conformité pour niveaux 5 et 6 de profil de studio simple

Please see the administrative notes on page iii

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Reference number
ISO/IEC 14496-4:2004/FDAM 35:2009(E)

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Amendment 35 to ISO/IEC 14496-4:2004 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 conformance tests for Levels 5 and 6 of the ISO/IEC 14496-2 Simple Studio Profile. The bitstreams to be used for conformance testing of these levels accompany this document.

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Information technology — Coding of audio-visual objects —

Part 4: Conformance testing

AMENDMENT 35: Simple studio profile levels 5 and 6 conformance testing

After 5.7.1.3.1, add the following new subclauses:

5.7.1.4 Test Bitstreams – Simple Studio Profile Level 2

Test bitstreams for Simple and Core Studio Profile Level 2.

5.7.1.4.1 Test bitstream #SSPL2-1 and #SSPL2-2

Specification: A bitstream with frame_pred_frame_dct equal to 1. The number of MB/s, packet size and bit rate are the maximum allowed for the profile-and-level combination. The VBV fullness approaches the maximum, then approaches the minimum after removal of a large frame that is near the vbv_buffer_size.

Functional stage: VBV

Purpose: Check that the decoder has sufficient buffering and I/O bandwidth for Simple Studio Profile Level 2.

5.7.1.5 Test Bitstreams – Simple Studio Profile Level 3

Test bitstreams for Simple and Core Studio Profile Level 3.

5.7.1.5.1 Test bitstream #SSPL3-1 and #SSPL3-2

Specification: A bitstream with frame_pred_frame_dct equal to 1. The number of MB/s, packet size and bit rate are the maximum allowed for the profile-and-level combination. The VBV fullness approaches the maximum, then approaches the minimum after removal of a large frame that is near the vbv_buffer_size.

Functional stage: VBV

Purpose: Check that the decoder has sufficient buffering and I/O bandwidth for Simple Studio Profile Level 3.

5.7.1.6 Test Bitstreams – Simple Studio Profile Level 4

Test bitstreams for Simple and Core Studio Profile Level 4.

5.7.1.6.1 Test bitstream #SSPL4-1 and #SSPL4-2

Specification: A bitstream with frame_pred_frame_dct equal to 1. The number of MB/s, packet size and bit rate are the maximum allowed for the profile-and-level combination. The VBV fullness approaches the maximum, then approaches the minimum after removal of a large frame that is near the vbv_buffer_size.

Functional stage: VBV

Purpose: Check that the decoder has sufficient buffering and I/O bandwidth for Simple Studio Profile Level 4.

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5.7.1.7 Test Bitstreams – Simple Studio Profile Level 5

Test bitstreams for Simple Studio Profile Level 5.

5.7.1.7.1 Test bitstream #SSPL5-1 and #SSPL5-2

Specification: A bitstream with frame_pred_frame_dct equal to 1. The number of MB/s, packet size and bit rate are the maximum allowed for the profile-and-level combination. The VBV fullness approaches the maximum, then approaches the minimum after removal of a large frame that is near the vbv_buffer_size.

Functional stage: VBV

Purpose: Check that the decoder has sufficient buffering and I/O bandwidth for Simple Studio Profile Level 5.

5.7.1.8 Test Bitstreams – Simple Studio Profile Level 6

Test bitstreams for Simple Studio Profile Level 6.

5.7.1.8.1 Test bitstream #SSPL6-1 and #SSPL6-2

Specification: A bitstream with frame_pred_frame_dct equal to 1. The number of MB/s, packet size and bit rate are the maximum allowed for the profile-and-level combination. The VBV fullness approaches the maximum, then approaches the minimum after removal of a large frame that is near the vbv_buffer_size.

Functional stage: VBV

Purpose: Check that the decoder has sufficient buffering and I/O bandwidth for Simple Studio Profile Level 6.

In 5.7.2, replace the table as follows:

Categories	Bitstream	Donated by	Bitstream Name	Simple Studio						Core Studio			
				L1	L2	L3	L4	L5	L6	L1	L2	L3	L4
General	A3GE-1	Sony	vcon-stp1L1.bits	S						S			
	A3GE-2	Sony	vcon-stp2L1.bits	S						S			
	A3GE-3	Sony	vcon-stp3L1.bits	S						S			
	A3GE-4	Sony	vcon-stp4L1.bits	S						S			
	A3GE-5	Sony	vcon-stp5L1.bits	S						S			
	A3GE-6	Sony	vcon-stp6L1.bits	S						S			
	A3GE-7	Sony	vcon-stp7L1.bits	S						S			
	A3GE-8	Sony	vcon-stp8L1.bits	S						S			
	A3GE-9	Sony	vcon-stp9L1.bits	S						S			
	A3GE-10	Sony	vcon-stp10L1.bits	S						S			
	A3GE-11	Sony	vcon-stp11L1.bits	S						S			
	SSPL2-1	Sony	vcon-stp12L2.bits		S						S		
	SSPL2-2	Sony	vcon-stp13L2.bits		S						S		
	SSPL3-1	Sony	vcon-stp14L3.bits			S						S	

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Categories	Bitstream	Donated by	Bitstream Name	Simple Studio						Core Studio			
				L1	L2	L3	L4	L5	L6	L1	L2	L3	L4
	SSPL3-2	Sony	vcon-stp15L3.bits			S						S	
	SSPL4-1	Sony	vcon-stp16L4.bits				S						S
	SSPL4-2	Sony	vcon-stp17L4.bits				S						S
Shape	A3SH-1	NHK	vcon-stpsh1L1.bits	S						S			
	A3SH-2	NHK	vcon-stpsh2L1.bits							S			
Sprite	A3SP-1	NHK	vcon-stpsp1L1.bits							S			
Simple Studio Profile L5	SSPL5-1	Sony	vcon-ssp1L5.bits					S					
	SSPL5-2	Sony	vcon-ssp2L5.bits					S					
Simple Studio Profile L6	SSPL6-1	Sony	vcon-ssp1L6.bits						S				
	SSPL6-2	Sony	vcon-ssp2L6.bits						S				

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