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AMENDMENT 35
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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

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

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Foreword

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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.

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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.

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.

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	