
**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*

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.

ISO/IEC NORM.COM : Click to view the full PDF of ISO/IEC 14496-4:2004/Amd 35:2009



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 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.

IECNORM.COM : Click to view the full PDF of ISO/IEC 14496-4:2004/Amd 35:2009

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	