

American National Standard

INCITS/ISO/IEC 14496-4:2004/AM31:2009[2011]

(ISO/IEC 14496-4/Amd31:2009, IDT)

Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 31: Conformance testing for SVC profiles

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Adopted by INCITS (InterNational Committee for Information Technology Standards) as an American National Standard.

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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.

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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.

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 31 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 establishes conformance test requirements for conformance to ITU-T Rec. H.264 | ISO/IEC 14496-10.

In this Amendment, additional text to ITU-T Rec. H.264 | ISO/IEC 14496-10 is specified for testing the conformance of ITU-T Rec. H.264 | ISO/IEC 14496-10 video decoders including in particular the SVC Profiles, which consist of the Scalable Baseline, Scalable High, and Scalable High Intra profiles.

The following subclauses specify the normative tests for verifying conformance of ITU-T Rec. H.264 | ISO/IEC 14496-10 video bitstreams and decoders. These normative tests make use of test data (bitstream test suites) provided as an electronic annex to this document, and of the reference software decoder specified in ISO/IEC 14496-5 with source code available in electronic format.

The numbering in this Amendment is relative to the text of ISO/IEC 14496-4. When a numbered item (i.e., a clause, subclause, figure, table, or equation) or associated content is being replaced or modified, the same number is used for the modified numbered item. When a numbered item is inserted between prior numbered items, the number of the corresponding numbered item immediately preceding it is used and the letter 'a' is appended to this number. When, after this one such inserted numbered item, another numbered item is inserted, the letter "a" is replaced by the letter "b" to indicate their relative order, and so on, following ordinary English alphabetical order. If text integrating this Amendment with ISO/IEC 14496-4 is produced, the inserted numbered items with appended letters are to be assigned to corresponding numbers in their numerical order without any such letters, and any subsequent numbered items are to be assigned later numbers to avoid conflicts. The purpose of the numbering convention in this Amendment text is to avoid the renumbering of existing numbered items in ISO/IEC 14496-4 while drafting this Amendment. Therefore, if the addition of a numbered item does not require renumbering of numbered items in ISO/IEC 14496-4, the final number is assigned to the numbered item herein.