STANDARD

ISO/IEC 23001-8

First edition 2013-07-01

Information technology — MPEG systems technologies —

Part 8:

Coding-independent code points

Technologies de l'information — Technologies des systèmes MPEG — Partie 8: Points de code indépendants du codage







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Published in Switzerland

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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.

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.

ISO/IEC 23001-8 was prepared by Joint Technical Committee ISO/IEC JTC 1, Information technology, Subcommittee SC 29, Coding of audio, picture, multimedia and hypermedia information.

ISO/IEC 23001 consists of the following parts, under the general title *Information technology* — *MPEG* systems technologies:

- Part 1: Binary MPEG format for XML
- Part 2: Fragment request units
- Part 3: XML IPMP messages
- Part 4: Codec configuration representation
- Part 5: Bitstream Syntax Description Language (BSDL)
- Part 7: Common encryption in ISO base media file format files
- Part 8: Coding-independent code points

Information technology — MPEG systems technologies —

Part 8:

Coding-independent code points

1 Scope

This part of ISO/IEC 23001 defines various code points and fields that establish properties of a video or audio stream that are independent of the compression encoding and bit rate. These properties may describe the appropriate interpretation of decoded video or audio data or may, similarly, describe the characteristics of such signals before the signal is compressed by an encoder that is suitable for compressing such an input signal.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11664-1, Colorimetry — Part 1: CIE standard colorimetric observers

Rec. ITU-R BS.1770, Algorithms to measure audio programme loudness and true-peak audio level