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Second edition 2018-12

Information technology — MPEG systems technologies —

Part 12: **Sample variants**

Technologies de l'information — Technologies des systèmes MPEG — Partie 12: Variantes d'échantillon



ISO/IEC 23001-12:2018(E)



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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO/IEC 23001-12:2015), which has been technically revised.

The main changes compared to the previous edition are as follows:

- support for using sample variants for multiple alternate samples;
- support for using sample variants for multiple alternate protection schemes;
- support for carriage of sample variants in MPEG-2 transport streams.

A list of all parts in the ISO/IEC 23001 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Information technology — MPEG systems technologies —

Part 12:

Sample variants

1 Scope

This document defines sample variants and their carriage in the ISO base media file format (ISO/IEC 14496-12) and MPEG-2 transport stream (ISO/IEC 13818-1).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 13818-1:2018, Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems

ISO/IEC 14496-12:2015, Information technology — Coding of audio-visual objects — Part 12: ISO base media file format

ISO/IEC 23001-7, Information technology — MPEG systems technologies — Part 7: Common encryption in ISO base media file format files

 $ISO/IEC\ 23001-9, Information\ technology-MPEG\ systems\ technologies-Part\ 9:\ Common\ encryption\ of\ MPEG-2\ transport\ streams$