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Information technology — MPEG systems technologies —

Part 10:

Carriage of timed metadata metrics of media in ISO base media file format

Technologies de l'information — Technologies des systèmes MPEG —

*Partie 10: Transport de métriques de métadonnées de temporisation
de supports au format de fichier de support en base ISO*



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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.

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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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 23001-10:2015), which has been technically revised.

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

- addition of carriage of special information in new [Clause 6](#) and [Annex A](#) with support for encoded regions of interest;
- ISO/IEC 14496-12 and ISO/IEC 23008-2 moved from Bibliography to Clause 2 and other minor editorial changes to align fully with ISO/IEC Directives Part 2.

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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.

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Introduction

This document specifies the carriage of timed metadata in files belonging to the family based on ISO/IEC 14496-12. The families of metadata are 'green' metadata (related to energy conservation), quality measurements of the associated media data (related to video quality metrics) and coordinates describing relationship between media data.