
**Information technology — Multimedia
application format (MPEG-A) —**

**Part 12:
Interactive music application format**

**AMENDMENT 1: Conformance and
reference software**

*Technologies de l'information — Format pour application multimédia
(MPEG-A) —*

Partie 12: Format d'application musicale interactive

AMENDEMENT 1: Conformité et logiciel de référence





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Foreword

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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.

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Amendment 1 to ISO/IEC 23000-12:2010 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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After Clause 7, add the following:

8 Conformance points and conformance files

8.1 Conformance points

The conformance points of Interactive Music AF (IM AF) are followed:

- Conformance point 1 provides basic capability to play mixed audio track according to the preset. An IM AF file that conforms to this conformance point shall have one of the brands defined in clause 7 inside its 'ftyp' box and the preset information ('prst'). Files that conforms to this conformance point shall contain the following supported components:
 - Interactive Music AF compatible to ISO Base Media File Format
 - And one of the following supported audio components:
 - ✓ MPEG-1 Audio Layer III
 - ✓ MPEG-4 Audio AAC profile
 - ✓ MPEG-D SAOC Baseline profile
 - ✓ PCM
- Conformance point 2 provides basic capability to play mixed audio track according to the user's interactive setting (such as group/track selection and volume control) which comply with the rule. An IM AF file that conforms to this conformance point shall have one of the brands defined in the clause 7 inside its 'ftyp' box, group information ('grup') and the rule information ('rusc' and 'rumx'). Files that conforms to this conformance point shall contain the following supported components:
 - The components specified for conformance point 1
- Conformance point 3 provides capability to play image, timed text and metadata in addition to the capabilities of conformance point 1. Files that conforms to this conformance point shall contain the following supported components:
 - The components specified for conformance point 1
 - JPEG
 - 3GPP Timed Text
 - MPEG-7 Multimedia Description Scheme

8.2 Conformance files

Conformance files shall be readable by the IM AF reference SW. The general structure of an IM AF file shall conform to the normative file structure defined in Table 2 of 6.1. The conformance files shall be used to verify some possible combinations of components defined by the specification of the IM AF.