
**Information technology — Media context
and control —**

**Part 7:
Conformance and reference software**

*Technologies de l'information — Contrôle et contexte de supports —
Partie 7: Conformité et logiciel de référence*

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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 23005-7 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 23005-7:2011), which has been technically revised.

ISO/IEC 23005 consists of the following parts, under the general title *Information technology — Media context and control*:

- *Part 1: Architecture*
- *Part 2: Control information*
- *Part 3: Sensory information*
- *Part 4: Virtual world object characteristics*
- *Part 5: Data formats for interaction devices*
- *Part 6: Common types and tools*
- *Part 7: Conformance and reference software*

Introduction

This part of ISO/IEC 23005 specifies the conformance and reference software. The conformance and reference software of ISO/IEC 23005 serves three main purposes:

- validation of the written specification of the several parts of ISO/IEC 23005;
- clarification of the written specification of the several parts of ISO/IEC 23005; and
- conformance testing for checking interoperability for the various applications against the reference software which aims to be compliant with ISO/IEC 23005.

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Information technology — Media context and control —

Part 7: Conformance and reference software

1 Scope

This part of ISO/IEC 23005 specifies the conformance and reference software implementing the normative clauses of all parts of ISO/IEC 23005. The information provided is applicable for determining the reference software modules available for the parts of ISO/IEC 23005, understanding the functionality of the available reference software modules, and utilizing the available reference software modules. The available reference software modules are specified in the form of application programming interfaces (API) according to ISO/IEC 23006-1.

Furthermore, this part of ISO/IEC 23005 provides means for conformance testing, i.e. bit-streams – XML descriptions – that conform or do not conform to the normative clauses of the other parts of ISO/IEC 23005 and informative descriptions thereof.

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/IEC 19757-3, *Information technology — Document Schema Definition Languages (DSDL) — Part 3: Rule-based validation — Schematron*

ISO/IEC 23005-2, *Information technology — Media context and control — Control information*

ISO/IEC 23005-3, *Information technology — Media context and control — Sensory information*

ISO/IEC 23005-4, *Information technology — Media context and control — Virtual world object characteristics*

ISO/IEC 23005-5, *Information technology — Media context and control — Data formats for interaction devices*

ISO/IEC 23005-6, *Information technology — Media context and control — Common types and tools*

ISO/IEC 23006-1, *Information technology — Multimedia service platform technologies — Architecture*