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## Information technology — MPEG systems technologies —

### Part 3: XML IPMP messages

*Technologies de l'information — Technologies des systèmes MPEG —  
Partie 3: Messages XML IPMP*

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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.

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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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ISO/IEC 23001-3 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)*

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## Introduction

This part of ISO/IEC 23001 specifies a set of XML messages exchanged between the components of a device or between devices while performing Intellectual Property Management and Protection (IPMP) operations.

The protection mechanisms are based on the IPMP Tool model as defined in ISO/IEC 13818-11, ISO/IEC 14496-13 (MPEG-2/4 IPMP Extensions), and ISO/IEC 21000-4 (MPEG-21 IPMP Components). In order to support the operation of IPMP Tools on a device in an interoperable fashion, this part of ISO/IEC 23001 complements ISO/IEC 21000-4 by defining an XML API for the communication between IPMP Tools and the device on which they operate, or between two IPMP Tools.