

Australian Standard™

**Information technology—Multimedia  
framework (MPEG-21)**

**Part 2: Digital Item Declaration**

This Australian Standard was prepared by Committee IT-029, Coded Representation of Picture, Audio and Multimedia/Hypermedia Information. It was approved on behalf of the Council of Standards Australia on 14 May 2004.  
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**Part 2: Digital Item Declaration**

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## PREFACE

This Standard was prepared by the Standards Australia Committee IT-029, Coded Representation of Picture, Audio and Multimedia/Hypermedia Information.

This Standard is identical with, and has been reproduced from ISO/IEC 21000-2:2003, *Information technology—Multimedia framework (MPEG-21)—Part 2: Digital Item Declaration*.

The objective of this Standard is to define an open framework for multimedia delivery and consumption to enable transparent and augmented use of multimedia resources across a wide range of networks and devices used by different communities by defining a uniform and flexible abstraction and interoperable schema for declaring the structure and makeup of Digital Items.

This Standard is Part 2 of AS ISO/IEC 21000, *Information technology—Multimedia framework (MPEG-21)*, which is published in parts as follows:

Part 2: Digital Item Declaration (this Standard)

Part 3: Digital Item Identification

Part 5: Rights Expression Language

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AUSTRALIAN STANDARD

# Information technology — Multimedia framework (MPEG-21) —

Part 2:

## Digital Item Declaration

### 1 Scope

This document describes the MPEG-21 Digital Item Declaration technology, which is part 2 of the MPEG-21 standard.

#### 1.1 Organization of the document

This technology is described in three normative clauses:

- **Model:** The Digital Item Declaration Model (clause 6) describes a set of abstract terms and concepts to form a useful model for defining Digital Items. Within this model, a Digital Item is the digital representation of “a work”, and as such, it is the thing that is acted upon (managed, described, exchanged, collected, etc.) within the model.
- **Representation:** Clause 7 contains the normative description of the syntax and semantics of each of the Digital Item Declaration elements, as represented in XML. This clause also contains some non-normative examples for illustrative purposes.
- **Schema:** Clause 8 contains the normative XML schema comprising the entire grammar of the Digital Item Declaration representation in XML.

In addition, illustrative (non-normative) examples are provided.

### 2 Normative references

The following referenced documents are indispensable for the application 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.

*Extensible Markup Language 1.0 (Second Edition)*, W3C Recommendation, 6 October 2000

*XML Schema Part 1: Structures and Part 2: Datatypes*, W3C Recommendation, 2 May 2001

*Canonical XML Version 1.0*, W3C Recommendation, 15 March 2001

*Uniform Resource Identifiers (URI): Generic Syntax*, IETF RFC 2396, 1998

*Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies*. IETF RFC 2045, 1996