

Australian Standard™

**Information technology—Multimedia
content description interface**

Part 11: MPEG-7 profile schemas

STANDARDS
Australia



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 February 2006. This Standard was published on 10 March 2006.

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This Standard was issued in draft form for comment as DR 05534.

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First published as AS ISO/IEC 15939.11—2006.

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7307 9

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 TR 15938-11:2005, *Information technology—Multimedia content description interface, Part 11: MPEG-7 profile schemas*.

The objective of this Standard is to provide the Australian multimedia and broadcasting industry with the schemas in XSD form for each of the ISO/IEC 15938-9 standard description profiles, namely the Simple Metadata Profile (SMP), User Description Profile (UDP), and the Core Description Profile (CDP).

Standards Australia is in the process of adopting most of ISO/IEC 15938 series Standards. Refer to the website for current list.

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- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
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References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO/IEC		AS ISO/IEC	
15938	Information technology — Multimedia content description interface	15938	Information technology — Multimedia content description interface
15938-9	Part 9: Profiles and levels	15938.9	Part 9: Profiles and levels

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INTRODUCTION

This Technical Report, also known as “Multimedia Content Description Interface”, provides a standardized set of technologies for describing multimedia content. It addresses a broad spectrum of multimedia applications and requirements by providing a metadata system for describing the features of multimedia content.

The following are specified in this International Standard:

Description schemes (DS) describe entities or relationships pertaining to multimedia content. Description schemes specify the structure and semantics of their components, which may be Description Schemes, descriptors, or datatypes.

Descriptors (D) describe features, attributes, or groups of attributes of multimedia content.

Datatypes are the basic reusable datatypes employed by description schemes and descriptors.

Systems tools support delivery of descriptions, multiplexing of descriptions with multimedia content, synchronization, file format, and so forth.

This International Standard is subdivided into 10 parts:

Part 1 – Systems: specifies the tools for preparing descriptions for efficient transport and storage, compressing descriptions, and allowing synchronization between content and descriptions.

Part 2 – Description definition language: specifies the language for refining the International Standard set of description tools (DSs, Ds, and datatypes) and for defining new description tools.

Part 3 – Visual: specifies the description tools pertaining to visual content.

Part 4 – Audio: specifies the description tools pertaining to audio content.

Part 5 – Multimedia description schemes: specifies the generic description tools pertaining to multimedia including audio and visual content.

Part 6 – Reference software: provides a software implementation of the International Standard.

Part 7 – Conformance testing: specifies the guidelines and procedures for testing conformance of implementations of the International Standard.

Part 8 – Extraction and use of MPEG-7 descriptions: provides guidelines and examples of the extraction and use of descriptions.

Part 9 – Profiles and levels: provides guidelines and standard profiles.

Part 10 – Schema definition: specifies the schema using description definition language.

Part 11 – Profile Schemas: listing of profile schemas using description definition language.

AUSTRALIAN STANDARD

Information technology — Multimedia content description interface —**Part 11:
MPEG-7 profile schemas****1 Scope**

This Technical Report specifies the actual schema in XSD form for each of the ISO/IEC 15938-9 standard description profiles, namely the Simple Metadata Profile (SMP), User Description Profile (UDP), and the Core Description Profile (CDP).

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.

ISO/IEC 15938-9, *Information technology — Multimedia content description interface — Part 9: Profiles and levels*

3 Description Profile Schema**3.1 General**

This clause contains actual schema in XSD form for each of the ISO/IEC 15938-9 standard profiles.

3.2 SMP Profile Schema

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!-- ***** **/*****
```

This XML document was originally developed in the course of development of the ISO/IEC 15938 standard (MPEG-7). This XML document contains either a part of the MPEG-7 schema implementation for one or more MPEG-7 tools as specified by the MPEG-7 Requirements or MPEG-7 description examples conformant to the MPEG-7 schema.

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