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**Information technology — Metadata  
Registries Interoperability and Bindings  
(MDR-IB) —**

**Part 5:  
Profiles**

*Technologies de l'information — Interopérabilité et liaisons des registres  
de métadonnées (MDR-IB) —*

*Partie 5: Profils*



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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 20944-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

ISO/IEC 20944 consists of the following parts, under the general title *Information technology — Metadata Registries Interoperability and Bindings (MDR-IB)*:

- *Part 1: Framework, common vocabulary, and common provisions for conformance*
- *Part 2: Coding bindings*
- *Part 3: API bindings*
- *Part 4: Protocol bindings*
- *Part 5: Profiles*

## Introduction

This part of ISO/IEC 20944 contains provisions that are common to the profiles, and the profiles themselves.

It is intended that this part of ISO/IEC 20944 will be extended, via amendments or revisions, as additional profiles are established.

# Information technology — Metadata Registries Interoperability and Bindings (MDR-IB) —

## Part 5: Profiles

### 1 Scope

The ISO/IEC 20944 series of International Standards describe codings, application programming interfaces (APIs), and protocols for interacting with an ISO/IEC 11179 metadata registry (MDR).

This part of ISO/IEC 20944 specifies the common provisions for profiles using the ISO/IEC 20944 series.

This part of ISO/IEC 20944 specifies mapping of metamodel attributes, as specified in ISO/IEC 11179-3, to identifiers for the purpose of navigating metadata registries.

### 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 Guide 2, *Standardization and related activities — General vocabulary*

ISO/IEC TR 10000-1, *Information technology — Framework and taxonomy of International Standardized Profiles — Part 1: General principles and documentation framework*

ISO/IEC 11179-3:2003, *Information technology — Metadata registries (MDR) — Part 3: Registry metamodel and basic attributes*

ISO/IEC 20944-1:2013, *Information technology — Metadata Registries Interoperability and Bindings (MDR-IB) — Framework, common vocabulary, and common provisions for conformance*