
**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

This document is a preview generated by EVS



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Attribute mapping for ISO/IEC 11179-3 MDR metamodel.....	2
4.1 General	2
4.2 Value space of labels	2
4.3 Available labels.....	2
4.4 Label formation.....	2
4.5 Resolving conflicts.....	4
4.6 Additional provisions	4
4.7 Identifier mappings	5
4.8 Conformance label	13
5 Profile for ISO/IEC 11179-3 MDR metamodel.....	13
5.1 General	13
5.2 Profile	14
5.3 Conformance label	14
Annex A (informative) Developing and using profiles	15
Bibliography.....	17

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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 20944-1 apply.¹

¹ Users and implementers of this part of ISO/IEC 20944 may find it useful to reference the terms and definitions from ISO/IEC 20944-1.