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Information technology — Metadata registries (MDR) —

Part 6: Registration

*Technologies de l'information — Registres de métadonnées (RM) —
Partie 6: Enregistrement*

Withhold

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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 11179-6 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

This second edition cancels and replaces the first edition (ISO/IEC 11179-6:1997).

ISO/IEC 11179 consists of the following parts, under the general title *Information technology — Metadata registries (MDR)*:

- *Part 1: Framework*
- *Part 2: Classification*
- *Part 3: Registry metamodel and basic attributes*
- *Part 4: Formulation of data definitions*
- *Part 5: Naming and identification principles*
- *Part 6: Registration*

Introduction

This part of ISO/IEC 11179 specifies the procedure by which *administered items* required in various application areas could be registered and assigned an internationally unique identifier. The uniqueness of the identification of a registered *administered item* is determined by a combination of the Registration Authority Identifier (RAI), the unique identifier assigned to a *administered item* within a Registration Authority (RA), and the version under which an *administered item* registration is submitted or updated. The registered *administered items* are included in Registries of Administered Items, maintained by a Registration Authority, to which the administered items logically and functionally belong. An organization wishing to become a Registration Authority may do so in accordance with the procedure prescribed in Annex A.

This part of ISO/IEC 11179 has been revised to address other types of Administered Items besides data elements: data element concepts, conceptual domains and value domains. Each of these types of Administered Items, including data elements, is represented within a metadata registry by administration records that document the common administration and identification, naming and definition details together with their administered item-specific details.

Within this part of ISO/IEC 11179 the use of “Metadata Registry” denotes an implementation of a metadata registry that is based upon ISO/IEC 11179 and that is managed by a Registration Authority.

Information technology — Metadata registries (MDR) —

Part 6: Registration

1 Scope

This part of ISO/IEC 11179 specifies the procedure by which *administered items* required in various application areas could be registered and assigned an internationally unique identifier. For each Administered Item to be registered, this part of ISO/IEC 11179 defines the type of information that is specified, the conditions that are met, and the procedure(s) that are followed.

The requirements and procedure contained herein apply to all Administered Items specified in ISO/IEC 11179-3. In addition, administration records that document the common administration and identification, naming and definition details as required by, and associated with, any administered item-specific details are also governed by this part of ISO/IEC 11179.

This part of ISO/IEC 11179 only addresses the metadata that is used to specify all types of Administered Items. Others may want to use this part of ISO/IEC 11179 to register and manage locally defined Administered Item types that are not defined in ISO/IEC 11179-3.

This part of ISO/IEC 11179 does not address the metadata that is used to specify particular types of Administered Items such as data elements and value domains. This part of ISO/IEC 11179 does NOT specify the registry's system design, file organization techniques, storage media, programming languages, etc. to be used in its implementation.

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 11179-1, *Information technology — Metadata registries (MDR) — Part 1: Framework*

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

ISO/IEC 6523-1, *Information technology — Structure for the identification of organizations and organization parts — Part 1: Identification of organization identification schemes*