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INCITS/ISO/IEC 11179-6:2005[R2010]

INCITS/ISO/IEC 11179-6:2005
(ISO/IEC 11179-6:2005, IDT)

American National Standard

*Information technology —
Information technology —
Metadata registries (MDR) —
Part 6: Registration*

Developed by



Where IT all begins



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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*

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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.