
**Information technology — Concepts
and usage of metadata —**

**Part 2:
Metadata usage**

*Technologies de l'information — Concepts et utilisation des
métadonnées —*

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Reference number
ISO/IEC TR 19583-2:2020(E)

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Published in Switzerland

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see <http://patents.iec.ch>).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

A list of all parts in the ISO/IEC 19583 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The metamodels specified in the ISO/IEC 11179 series and the ISO/IEC 19763 series are expressed as conceptual models using the class diagram notation from the unified modelling language (UML).

The ISO/IEC 11179 series provides a specification for a registry in which information about metadata can be recorded and maintained. The ISO/IEC 19763 series provides a specification for a series of registries in which models describing system facilities (for example, information models and process models) can be registered. The mapping between models can also be registered. The registries described in the ISO/IEC 19763 series use the common facilities described in the ISO/IEC 11179 series.

Implementers and users of the registries described in the ISO/IEC 11179 series and the ISO/IEC 19763 series require further guidance to turn the conceptual models into concrete implementations. To provide the guidance, the ISO/IEC 19583 series has been developed.

The ISO/IEC 19583 series includes several parts, of which ISO/IEC TR 19583-1 and this document provide introductory information. ISO/IEC TR 19583-1 describes the concepts of metadata and does not handle concrete implementations. This document describes the numbering of the other parts in the ISO/IEC 19583 series that describe various implementations of the conceptual models in the ISO/IEC 11179 series and the ISO/IEC 19763 series, which can be done using many different kinds of technologies and applied to reach different goals.

The parts of the ISO/IEC 19583 series that are numbered as ISO/IEC 19583-2x are intended to address various implementations of the ISO/IEC 11179 series and the ISO/IEC 19763 series or are complimentary technical reports on usage. The ISO/IEC 19583 series follows this numbering scheme to help users find potentially useful material.

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Information technology — Concepts and usage of metadata —

Part 2: Metadata usage

1 Scope

This document describes a numbering scheme for the parts in the ISO/IEC 19583 series which provide technical reports and guidance documents on the implementation and use of the registries specified in the ISO/IEC 11179 series and the ISO/IEC 19763 series.

This document clarifies the differences between ISO/IEC TR 19583-1 and the other parts in the ISO/IEC 19583 series. This document describes the numbering rule for the remaining parts of the ISO/IEC 19583 series (except ISO/IEC TR 19583-1 which addresses metadata concepts).

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Numbering scheme

The ISO/IEC 19583 series uses two numbering schemes. ISO/IEC TR 19583-1 addresses metadata concepts. Documents numbered as ISO/IEC 19583-2x are a series of parts addressing metadata usage. Documents numbered as ISO/IEC 19583-2x describe concrete implementations of the conceptual models of the ISO/IEC 11179 series and the ISO/IEC 19763 series in various ways and with various technologies. Therefore, ISO/IEC TR 19583-1 is distinguished from the other parts in the ISO/IEC 19583 series.

There are many approaches for implementing concrete models of the ISO/IEC 11179 series and the ISO/IEC 19763 series conceptual models, and some of the parts in the ISO/IEC 19763 series depend on the ISO/IEC 11179 series for guidance on registering instances of the models described in the ISO/IEC 19763 series, so both parts may be used in the ISO/IEC 19583 series.

Since many kinds of technologies and combinations of standards may be used to address possible usages of these metadata standards, either alone or combined, the part numbers and titles of documents numbered as ISO/IEC 19583-2x cannot be anticipated or predefined. Therefore, this document defines the numbering scheme that will be used for future parts in the ISO/IEC 19583 series.

Documents numbered as ISO/IEC 19583-2x are sequentially assigned. For example, if the last part number is 29 and a new part is added to the series, then the number "ISO/IEC 19583-210" will be assigned to the new part.

Bibliography

- [1] ISO/IEC 11179 (all parts), *Information technology — Metadata registries (MDR)*
- [2] ISO/IEC 19763 (all parts), *Information technology — Metamodel framework for interoperability (MFI)*
- [3] ISO/IEC 19583 (all parts), *Information technology — Concepts and usage of metadata*

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