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Information technology — Metamodel framework for interoperability (MFI) —

Part 16: Metamodel for document model registration

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Foreword

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A list of all parts in the ISO/IEC 19763 series can be found on the ISO and IEC websites.

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Introduction

There is an increasing demand for systems to interoperate by exchanging information and data. These exchanges are sometimes performed using 'documents' such as XML documents and JSON documents. The business information requirements conveyed by these documents are often specified in supporting document models, for example, in XML schemas for XML documents and in JSON schemas for JSON documents.

The information contained in these models – the metadata – can be registered using the facilities specified by this document. Most of the metaclasses specified in this document are subclasses of the metaclasses specified in ISO/IEC 19763-10:2014, 7.1, 7.2 and 7.3.

Where there is an overlap of the universe of discourse of the business information requirements specified in the registered models, the mappings between registered models can then be registered using the facilities specified in ISO/IEC 19763-10:2014, Clause 8, thus enabling further interoperation.

A model registry, as specified using any of the metamodels described in ISO/IEC 19763, uses the common facilities specified in ISO/IEC 11179-3:2013, Clauses 6, 7 and 8. A model registry is, therefore, a part of a metadata registry.

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Information technology — Metamodel framework for interoperability (MFI) —

Part 16: Metamodel for document model registration

1 Scope

The primary purpose of the ISO/IEC 19763 series is to specify a metamodel framework for interoperability. This document specifies a metamodel for registering document models (or schemata). Examples of such document models include:

— specifications for XML documents (using XML schema[3]);

— specifications for JSON documents (using JSON schema[2]).

This metamodel was developed taking into account the requirements for both XML schema and JSON schema, but is applicable to all current specifications for document models.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 19763-10:2014, *Information technology — Metamodel framework for interoperability (MFI) — Part 10: Core model and basic mapping*

ISO/IEC 11179-3:2013, *Information technology — Metadata registries (MDR) — Part 3: Registry metamodel and basic attributes*

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