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Information technology — JPSearch —
Part 2:
Registration, identification and
management of schema and ontology

Technologies de l'information — JPSearch —

Partie 2: Enregistrement, identification et gestion des schémas et de l'ontologie



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Foreword

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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 or www.iec.ch/members_experts/refdocs).

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This second edition cancels and replaces the first edition (ISO/IEC 24800-2:2011), which has been technically revised. It also incorporates the amendment ISO/IEC 24800-2:2011/Amd.1:2015.

The main changes compared to the previous edition are as follows:

- editorial changes throughout the text to fully align this document with ISO/IEC Directives;
- changes to the registration procedure for JPOnto in 8.3 and Annex A.

A list of all parts in the ISO/IEC 24800 series can be found on the ISO and IEC websites.

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 and www.iec.ch/national-committees.

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Introduction

This document provides a standardized set of technologies for metadata representation, querying and management of images. It specifies the JPSearch's Core Metadata Schema as the cornerstone of metadata interoperability in the ISO/IEC 24800 series. It also specifies the structure and rules to which any metadata annotation of images must conform in order to be considered valid within a JPSearch compliant system.

In addition to the definition of JPSearch Core Metadata Schema, the ISO/IEC 24800 series provides a mechanism which allows a JPSearch compliant system taking profit from proprietary or community-specific metadata schemas. A translation rules language is defined, allowing the publication of machine-readable translations between metadata terms belonging to proprietary metadata schemas and metadata terms in the JPSearch Core Metadata Schema. Users can choose which metadata language to use in a JPSearch-based interaction (annotation, querying, etc.) if the proper translations are available.

In order to specify the issues in a detailed manner in this document, this document first provides the fundamental information including scope definition, description of terms and definitions, and conventions that are necessary to understand this document. The definition of JPSearch Core Metadata Schema is described in the context of XML structure. Management of information regarding other metadata schema is also described in respect of registration, maintenance, and translation rules.