
Information technology — JPSearch —
Part 4:
File format for metadata embedded in
image data (JPEG and JPEG 2000)

Technologies de l'information — JPSearch —

Partie 4: Format de fichier de métadonnées incorporées dans des
données d'image (JPEG et JPEG 2000)

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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.

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ISO/IEC 24800-4 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

ISO/IEC 24800 consists of the following parts, under the general title *Information technology — JPSearch*:

- *Part 1: System framework and components*
- *Part 2: Registration, identification and management of schema and ontology*
- *Part 3: Query format*
- *Part 4: File format for metadata embedded in image data (JPEG and JPEG 2000)*
- *Part 5: Data interchange format between image repositories*
- *Part 6: Reference software*

Introduction

ISO/IEC 24800 (JPSearch) was developed to provide an interoperable mechanism to handle metadata among compliant systems including repository, search engine, and file entities. This part of ISO/IEC 24800 aims to provide a compatible mechanism exchange image data and its associate metadata using existing file formats.

Information technology — JPSearch —

Part 4: File format for metadata embedded in image data (JPEG and JPEG 2000)

1 Scope

This part of ISO/IEC 24800, JPSearch, provides an interoperable data exchange format between various devices and platforms. It includes extensions of several existing file formats and file-format-independent metadata formats.

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 10918-1, *Information technology — Digital compression and coding of continuous-tone still images: Requirements and guidelines*

ISO/IEC 15444-1, *Information technology — JPEG 2000 image coding system: Core coding system*

ISO/IEC 24800-2, *Information technology — JPSearch — Part 2: Registration, identification and management of schema and ontology*