
Information technology — JPSearch —
Part 6:
Reference software

Technologies de l'information — JPSearch —
Partie 6: Logiciel de référence



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Overview and conventions	2
4.1 Organization of the document	2
4.2 Overview of the architecture of the ISO/IEC 24800 reference software.....	2
5 Reference software for the ISO/IEC 24800.....	3
5.1 Metadata Translation Module	3
5.2 JPQF Query Processor Module	11
5.3 Embedded Metadata Codec Module.....	20
5.4 Repository Import/Export Module	26
Bibliography.....	34

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 24800-6 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*

Information technology — JPSearch —

Part 6: Reference software

1 Scope

This part of ISO/IEC 24800 describes reference software for the normative clauses as well as utility software demonstrating the usage scenarios of ISO/IEC 24800-2 to ISO/IEC 24800-5. The information provided is applicable for determining the reference software modules available for ISO/IEC 24800-2 to ISO/IEC 24800-5 and understanding their functionality and usage. A software module provided in this part of ISO/IEC 24800 can be used either as standalone software or as a part of larger integrated software depending on the module.

2 Normative references

The following referenced documents, in whole or in part, 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/corrigenda) applies.

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

ISO/IEC 24800-3, *Information technology — JPSearch — Part 3: Query format*

ISO/IEC 24800-4, *Information technology — JPSearch — Part 4: File format for metadata embedded in image data (JPEG and JPEG 2000)*

ISO/IEC 24800-5, *Information technology — JPSearch — Part 5: Data interchange format between image repositories*