



## Information technology — JPSearch —

### Part 3: Query format

#### TECHNICAL CORRIGENDUM 1

*Technologies de l'information — JPSearch —*

*Partie 3: Format d'interrogation*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 24800-3:2010 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

Replace 3.3 Conventions with the following:

### 3.3 Conventions and schema

The Syntax defined in this part of ISO/IEC 24800 assumes the following Schema Wrapper.

```
<schema xmlns:jpgqf="urn:jpeg:jpgqf:schema:2008"
xmlns="http://www.w3.org/2001/XMLSchema"
xmlns:mpqf="urn:mpeg:mpqf:schema:2008"
targetNamespace="urn:jpeg:jpgqf:schema:2008" elementFormDefault="qualified"
attributeFormDefault="unqualified">
<import namespace="urn:mpeg:mpqf:schema:2008" schemaLocation="mpqf.xsd"/>
<element name="JPEGQuery" type="mpqf:MPEGQueryType"/>
</schema>
```

Replace Clauses 4 Structure and data model and 5 Root Element with the following new clause:

#### 4 Tools of JPSearch Query format

As shown in Figure 1, JPSearch architecture is conceptually divided into four layers, which are User Layer, Query Layer, Management Layer and Content Layer. The interfaces marked with rounded pink boxes are within the scope of this part of ISO/IEC 24800 and will be grouped under the name of JPEG Query Format (JPQF). Data flow between each layer is defined as Input Query and Output Result. Where the nature of the data flow is requesting information, it is defined as Input Query and when the nature of the data flow is returning data upon a request, it is defined as Output Query. This part of ISO/IEC 24800 defines the format for input queries and output results which are used not only between the user layer and the query layer, but also between all other layers, as defined in the architecture, so that each layer of the JPSearch system can be implemented and maintained in a distributed way. This part of ISO/IEC 24800 also defines the messages for querying and providing information regarding the service description, service discovery and selection. The tools specifically serving these purposes are called Management tools.

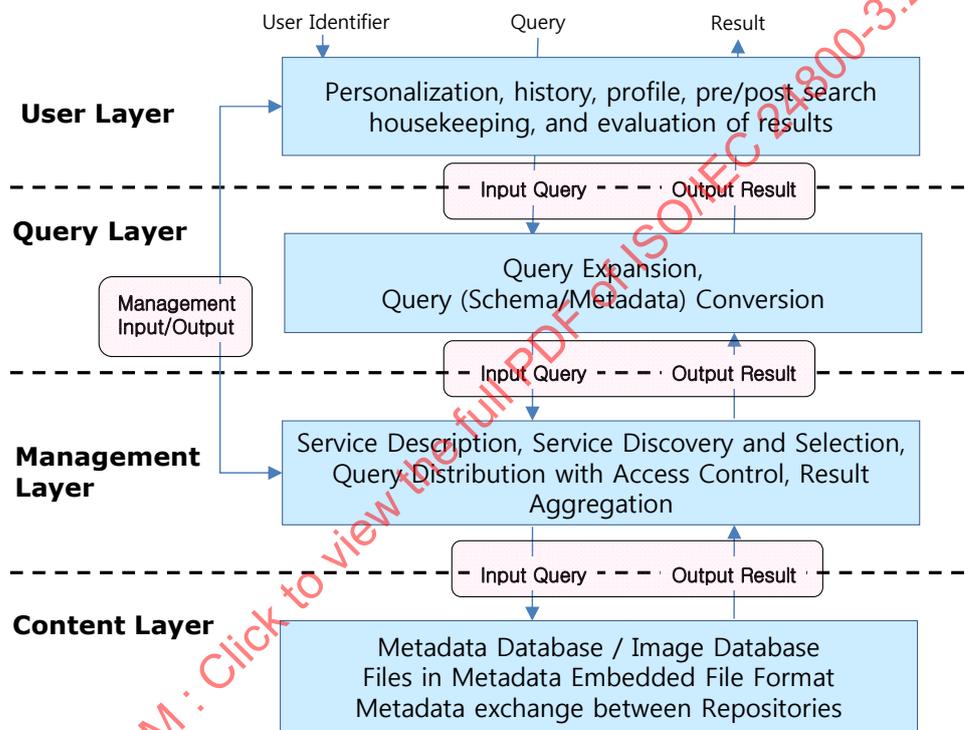


Figure 1 – JPSearch architecture and scope of this part of ISO/IEC 24800

The tools of the JPEG Query Format (JPQF) are defined as the subset of the tools of ISO/IEC 15938-12:2008 (MPEG Query Format, MPQF) that apply to the still images domain. The MPEG Query Format already provides a set of tools supporting the definition of the query request as well as the query response as required in this part of ISO/IEC 24800, but it has a broader focus as it not only covers still images but also audio and video.

The tools of the JPEG Query Format (JPQF) include all the tools defined by ISO/IEC 15938-12 except by those that are marked as disabled in this part of ISO/IEC 24800.