



INTERNATIONAL STANDARD ISO/IEC 24800-3:2010 TECHNICAL CORRIGENDUM 1

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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:jqpf="urn:jpeg:jqpf:schema:2008"
xmlns="http://www.w3.org/2001/XMLSchema"
xmlns:mpqf="urn:mpeg:mpqf:schema:2008"
targetNamespace="urn:jpeg:jqpf: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.

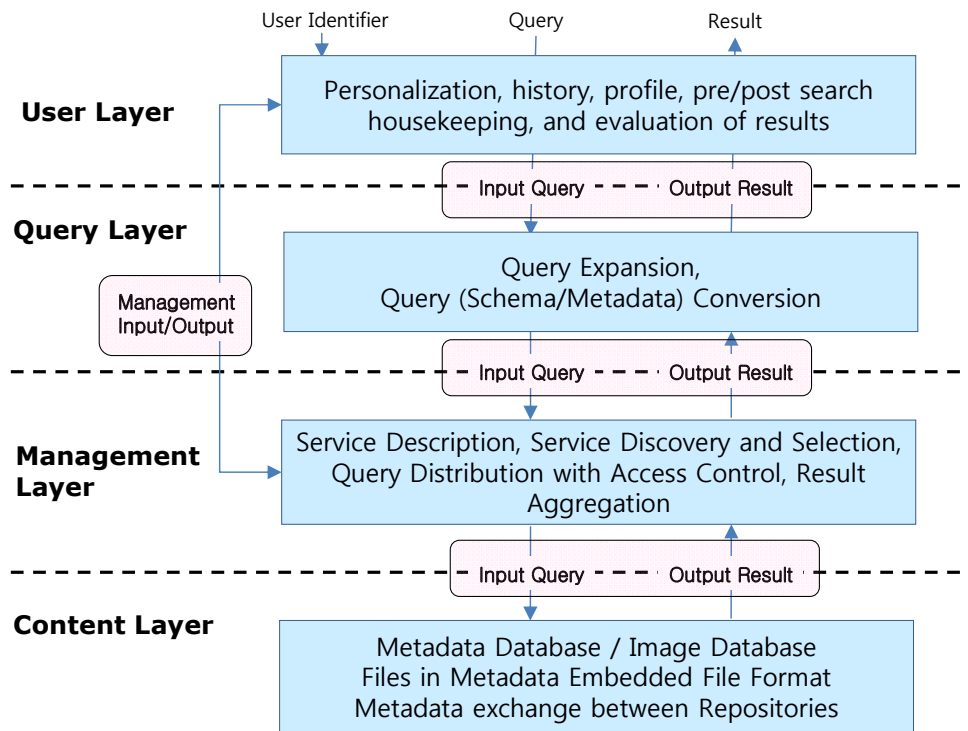


Figure 1 – JPSearch architecture and scope of this part of ISO/IEC 24800

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.

Replace Clause 6 Datatypes with the following new clause:

5 Disabled datatypes

The `contentType` type is used by different elements of ISO/IEC 15938-12 to specify the media type of a multimedia resource. Only `contentType`s of still images or text are enabled in any queries or responses of JPQF, and any other `contentType` is disabled.

Remove Clause 7 Tools of Input Query Format.

Remove Clause 8 Expression Types.

Replace Clause 9 Query Types with the following new clause:

6 Disabled Query Types

The following types of queries defined in ISO/IEC 15938-12 are partially or totally disabled within this part of ISO/IEC 24800:

<i>Name in ISO/IEC 15938-12:2008</i>	<i>Restricted usage in ISO/IEC 24800-3</i>
<code>QueryByMedia</code>	Allowed, but the example media resource is restricted to the image domain only.
<code>TemporalQuery</code>	Not allowed.
<code>QueryByROI</code>	Allowed except that the usage of the <code>TemporalRegionOfInterest</code> type is not allowed.

Remove Clause 10 Query By Media.

Remove Clause 11 Query By ROI.

Remove Clause 12 JoinType.

Remove Clause 13 Tools of Output Result Format.

Remove Clause 14 Query Management Tools.

Remove Annex A System Messages.

Remove Annex B Classification Scheme.