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Information technology — Multimedia framework (MPEG-21) —

Part 7: Digital Item Adaptation

AMENDMENT 1: Query format capabilities

Technologies de l'information — Cadre multimédia (MPEG-21) —

Partie 7: Adaptation d'article numérique

AMENDEMENT 1

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Foreword

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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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Amendment 1 to ISO/IEC 21000-7:2007 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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Information technology — Multimedia framework (MPEG-21) —

Part 7:
Digital Item Adaptation

AMENDMENT 1: Query format capabilities

In Clause 2, add the following:

ISO/IEC 15938-12, *Information technology — Multimedia content description interface — Part 12: Query format*

In Table 1, append the following row:

mpqf	urn:mpeg:mpqf:schema:2008

After 6.5.30, insert the following new subclause and renumber the existing 6.5.31 as 6.5.32:

6.5.31 Query Format Capabilities

6.5.31.1 Introduction

This subclause specifies the ISO/IEC 15938-12 capabilities that a terminal is capable to provide.

6.5.31.2 Syntax

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Schema document for MPQF Capabilities -->
<schema
   xmlns="http://www.w3.org/2001/XMLSchema"
   xmlns:dia="urn:mpeg:mpeg21:2003:01-DIA-NS"
   xmlns:mpqf="urn:mpeg:mpqf:schema:2008"
   targetNamespace="urn:mpeg:mpeg21:2003:01-DIA-NS"
   elementFormDefault="qualified" attributeFormDefault="unqualified"
   version="ISO/IEC 21000-7 2nd" id="MPQFCap-2nd.xsd">
  <include schemaLocation="UED-2nd.xsd"/>
  <import namespace="urn:mpeg:mpqf:schema:2008" schemaLocation="mpqf-acap.xsd"/>
  <!-- ################################################  -->
  <!--    Definition of MPEG Query Format Capabilities  -->
  <!-- ################################################  -->
  <complexType name="MPQFCapabilitiesType">
    <complexContent>
      <extension base="dia:TerminalCapabilityBaseType">
        <sequence>
          <element name="MPQFCapability" type="mpqf:AvailableCapabilityType"
             minOccurs="0" maxOccurs="unbounded"/>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</schema>
```

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6.5.31.3 Semantics

Syntax of the `MPQFCapabilitiesType`:

Name	*Definition*
`MPQFCapabilitiesType`	Tool for describing the ISO/IEC 15938-12 capabilities a terminal is capable to provide.
`MPQFCapability`	Describes the ISO/IEC 15938-12 capabilities of a particular service a terminal is capable to provide. NOTE The service is identified by the `serviceID` attribute of the `mpqf:AvailableCapabilityType`.

In 6.5.32, Terminal capabilities examples, insert the following text after EXAMPLE 5:

EXAMPLE 6 The following example provides an instantiation of the ISO/IEC 15938-12 capabilities of the terminal.

```
<DIA>
  <Description xsi:type="UsageEnvironmentType">
    <UsageEnvironmentProperty xsi:type="TerminalsType">
      <Terminal>
        <TerminalCapability xsi:type="dia:MPQFCapabilitiesType">
          <MPQFCapability serviceID="my:serviceID:1">
            <mpqf:SupportedQFProfile href="urn:mpeg:mpqf:2008:CS:Full"/>
            <mpqf:SupportedMetadata>urn:mpeg:mpeg7:2004</mpqf:SupportedMetadata>
            <mpqf:SupportedExampleMediaTypes>
              audio/mp3 video/mpg
            </mpqf:SupportedExampleMediaTypes>
            <mpqf:SupportedResultMediaTypes>
                 audio/aac video/mpg
            </mpqf:SupportedResultMediaTypes>
            <mpqf:SupportedQueryTypes
                 href="urn:mpeg:mpqf:2008:CS:full:100.3.6.1"
                 usageRefList="ex1id1 ex1id3"/>
            <mpqf:SupportedQueryTypes
                 href="urn:mpeg:mpqf:2008:CS:full:100.3.6.4"
                 usageRefList="ex1id2"/>
            <mpqf:SupportedExpressions
                 href="urn:mpeg:mpqf:2008:CS:full:100.3.1"/>
            <mpqf:UsageConditions
                 href="urn:mpeg:mpqf:2008:CS:full:200.1" usageID="ex1id1"/>
            <mpqf:UsageConditions
                 href="urn:mpeg:mpqf:2008:CS:full:200.4" usageID="ex1id2"/>
            <mpqf:UsageConditions
                 href="urn:mpeg:mpqf:2008:CS:full:200.3" usageID="ex1id3"/>
          </MPQFCapability>
        </TerminalCapability>
      </Terminal>
    </UsageEnvironmentProperty>
  </Description>
</DIA>
```

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