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AMENDMENT 1
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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

Reference number
ISO/IEC 21000-7:2007/Amd.1:2008(E)

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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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