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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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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
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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>
```

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="exlid1 exlid3"/>
            <mpqf:SupportedQueryTypes
              href="urn:mpeg:mpqf:2008:CS:full:100.3.6.4"
              usageRefList="exlid2"/>
            <mpqf:SupportedExpressions
              href="urn:mpeg:mpqf:2008:CS:full:100.3.1"/>
            <mpqf:UsageConditions
              href="urn:mpeg:mpqf:2008:CS:full:200.1" usageID="exlid1"/>
            <mpqf:UsageConditions
              href="urn:mpeg:mpqf:2008:CS:full:200.4" usageID="exlid2"/>
            <mpqf:UsageConditions
              href="urn:mpeg:mpqf:2008:CS:full:200.3" usageID="exlid3"/>
          </MPQFCapability>
        </TerminalCapability>
      </Terminal>
    </UsageEnvironmentProperty>
  </Description>
</DIA>
```