
**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*

IECNORM.COM : Click to view the full PDF of ISO/IEC 21000-7:2007/Amd1:2008

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

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*.

IECNORM.COM : Click to view the full PDF of ISO/IEC 21000-7:2007/AMD1:2008

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>
```

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>

```