
**Information technology — Multimedia
framework (MPEG-21) —**

Part 4:

**Intellectual Property Management and
Protection Components**

AMENDMENT 2: Protection of presentation
element

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

*Partie 4: Composants de gestion et de protection de propriété
intellectuelle*

AMENDEMENT 2: Protection de l'élément de présentation

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 21000-4:2006/AMD2:2012



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2012

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 2 to ISO/IEC 21000-4:2006 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 21000-4:2006/AMD2:2012

Information technology — Multimedia framework (MPEG-21) —

Part 4: Intellectual Property Management and Protection Components

AMENDMENT 2: Protection of presentation element

After 6.2.13, add the following subclause:

6.2.14 ipmpdidl:Presentation

6.2.14.1 Syntax

<p>Diagram</p>	
<p>Children</p>	<p><Identifier> <Info> <ContentInfo> <Contents></p>
<p>Source</p>	<pre><element name="Presentation" type="ipmpdidl:PresentationType" substitutionGroup="didl:Descriptor"/> <complexType name="PresentationType"> <complexContent> <extension base="didl-p:PresentationType"> </extension> </complexContent> </complexType></pre>

6.2.14.2 Semantics

The ipmpdidl:Presentation element is defined to provide for the communication of IPMP governance on a specific Presentation originally represented in DIDL.

Replace Annex A with:

Annex A (informative)

IPMP DIDL Schema

```

<?xml version="1.0"?>
<!--====Schema for IPMP DIDL Types====-->
<!--====>
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:didmodel="urn:mpeg:mpeg21:2002:02-DIDMODEL-NS"
xmlns:ipmpdidl="urn:mpeg:mpeg21:2004:01-IPMPDIDL-NS" xmlns:ns1="urn:mpeg:mpeg21:2002:02-DIDL-NS"
targetNamespace="urn:mpeg:mpeg21:2004:01-IPMPDIDL-NS" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="0.01">
  <import namespace="urn:mpeg:mpeg21:2002:02-DIDMODEL-NS" schemaLocation="didmodel.xsd"/>
  <import namespace="urn:mpeg:mpeg21:2002:02-DIDL-NS" schemaLocation="didl.xsd"/>
  <import namespace="urn:mpeg:mpeg21:2010:02-DIDL-P-NS" schemaLocation="didl-p.xsd"/>
  <!--====>
  All element types corresponding to the DID model contain:
  (i) a maximum of one ipmpdidl:Identifier element, into which an appropriate identifier
  for the protected Representation may be placed
  (ii) one ipmpdidl:Info element, into which information about the governance is placed
  (iii) one ipmpdidl:Contents element, into which the governed Contents is placed
  =====>
  <element name="Container" type="ipmpdidl:ContainerType" substitutionGroup="didmodel:Container"/>
  <complexType name="ContainerType">
    <complexContent>
      <extension base="didmodel:ContainerType"/>
    </complexContent>
  </complexType>
  <element name="Item" type="ipmpdidl:ItemType" substitutionGroup="didmodel:Item"/>
  <complexType name="ItemType">
    <complexContent>
      <extension base="didmodel:ItemType"/>
    </complexContent>
  </complexType>
  <element name="Descriptor" type="ipmpdidl:DescriptorType"
substitutionGroup="didmodel:Descriptor"/>
  <complexType name="DescriptorType">
    <complexContent>
      <extension base="didmodel:DescriptorType"/>
    </complexContent>
  </complexType>
  <element name="Statement" type="ipmpdidl:StatementType" substitutionGroup="didmodel:Statement"/>
  <complexType name="StatementType" mixed="true">
    <complexContent mixed="true">
      <extension base="didmodel:StatementType"/>
    </complexContent>
  </complexType>
  <element name="Component" type="ipmpdidl:ComponentType" substitutionGroup="didmodel:Component"/>
  <complexType name="ComponentType">
    <complexContent>
      <extension base="didmodel:ComponentType"/>
    </complexContent>
  </complexType>
  <element name="Anchor" type="ipmpdidl:AnchorType" substitutionGroup="didmodel:Anchor"/>
  <complexType name="AnchorType">
    <complexContent>
      <extension base="didmodel:AnchorType"/>
    </complexContent>
  </complexType>
  <element name="Fragment" type="ipmpdidl:FragmentType" substitutionGroup="didmodel:Fragment"/>
  <complexType name="FragmentType" mixed="true">
    <complexContent mixed="true">
      <extension base="didmodel:FragmentType">
        <sequence>
          <group ref="ipmpdidl:IPMPDIDLChildGroup"/>
        </sequence>
        <attribute name="fragmentId" type="string"/>
      </extension>
    </complexContent>
  </complexType>

```

```

</complexType>
<element name="Condition" type="ipmpdidl:ConditionType" substitutionGroup="didmodel:Condition"/>
<complexType name="ConditionType">
  <complexContent>
    <extension base="didmodel:ConditionType"/>
  </complexContent>
</complexType>
<element name="Choice" type="ipmpdidl:ChoiceType" substitutionGroup="didmodel:Choice"/>
<complexType name="ChoiceType">
  <complexContent>
    <extension base="didmodel:ChoiceType"/>
  </complexContent>
</complexType>
<element name="Selection" type="ipmpdidl:SelectionType" substitutionGroup="didmodel:Selection"/>
<complexType name="SelectionType">
  <complexContent>
    <extension base="didmodel:SelectionType"/>
  </complexContent>
</complexType>
<element name="Resource" type="ipmpdidl:ResourceType" substitutionGroup="didmodel:Resource"/>
<complexType name="ResourceType" mixed="true">
  <complexContent mixed="true">
    <extension base="didmodel:ResourceType"/>
  </complexContent>
</complexType>
<element name="Annotation" type="ipmpdidl:AnnotationType"
substitutionGroup="didmodel:Annotation"/>
<complexType name="AnnotationType">
  <complexContent>
    <extension base="didmodel:AnnotationType"/>
  </complexContent>
</complexType>
<element name="Assertion" type="ipmpdidl:AssertionType" substitutionGroup="didmodel:Assertion"/>
<complexType name="AssertionType">
  <complexContent>
    <extension base="didmodel:AssertionType"/>
  </complexContent>
</complexType>
<element name="Presentation" type="ipmpdidl:PresentationType"
substitutionGroup="didl:Descriptor"/>
<complexType name="PresentationType">
  <complexContent>
    <extension base="didl-p:PresentationType"/>
  </extension>
</complexContent>
</complexType>
<!-- elements from here onward are unique to the IPMP DIDL Representation-->
<group name="IPMPDIDLChildGroup">
  <sequence>
    <element ref="ipmpdidl:Identifier" minOccurs="0"/>
    <element ref="ipmpdidl:Info"/>
    <element ref="ipmpdidl:ContentInfo" minOccurs="0"/>
    <element ref="ipmpdidl:Contents"/>
  </sequence>
</group>
<element name="Contents">
  <complexType mixed="true">
    <sequence>
      <any namespace="##any" processContents="lax" minOccurs="0"/>
    </sequence>
    <attribute name="ref" type="anyURI"/>
  </complexType>
</element>
<element name="Info">
  <complexType mixed="true">
    <sequence>
      <any namespace="##any" processContents="lax" minOccurs="0"/>
    </sequence>
  </complexType>
</element>
<element name="Identifier">
  <complexType mixed="true">
    <sequence>
      <any namespace="##any" processContents="lax" minOccurs="0"/>
    </sequence>
  </complexType>

```

```
</element>
<element name="ContentInfo">
  <complexType mixed="true">
    <sequence>
      <any namespace="##any" processContents="lax" minOccurs="0"/>
    </sequence>
  </complexType>
</element>
<element name="ProtectedAsset" type="ipmpdidl:ProtectedAssetType"/>
<complexType name="ProtectedAssetType">
  <sequence>
    <group ref="ipmpdidl:IPMPDIDLChildGroup"/>
  </sequence>
  <attribute name="mimeType" type="string" use="required"/>
</complexType>
</schema>
```

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 21000-4:2006/AMD2:2012