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

Part 2:

Digital Item Declaration

AMENDMENT 1: Presentation of digital item

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

Partie 2: Déclaration d'article numérique

AMENDEMENT 1: Présentation d'article numérique



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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

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Foreword

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Information technology — Multimedia framework (MPEG-21) —

Part 2: Digital Item Declaration

AMENDMENT 1: Presentation of digital item

After 6.2.15, add the following subclause:

6.2.16 presentation

Defines a specific Descriptor named as presentation in the Digital Item Declaration Model. A presentation contains the presentation information. Typically it is a scene representation language that can describe the structured information. It can be the well-formed XML or just a pointer which points to a remote fragment containing the presentation information. The presentation information can reference the metadata from a Digital Item.

EXAMPLE It can reference the metadata from current Digital Item or a remote Digital Item using `mpeg-pmsi()` schema defined in ISO/IEC 14496-20:2008/Amd.3:2010.

NOTE It should be noticed that the information in the parent Item may be modified when it employs the `mpeg-pmsi()` mechanism.

After 7.2.20, add the following subclause:

7.2.21 <Presentation>

A **Presentation** is a kind of **Descriptor**. It defines the presentation of an item that contains it. It is used as the extension of **Descriptor** element. For example, if an **Item** element contains a **Descriptor** element whose type is **Presentation**, the **Presentation** can present the structured information in this **Item**.

The **precedence** attribute of **Presentation** specifies whether one **Presentation** has precedence over others when the value of the **precedence** attribute is *true*, while if this attribute is missing or that its value is *false*, then it is up to the end-user application to display the preferred one. In this case the end application can choose an appropriate **Presentation** to present the Structured Information.

The **Presentation** uses the **mimeType** attribute of the **Resource element** to specify the data type of the **Presentation** as a concatenation of MIME media-type, sub-type, and parameters, as defined in IETF RFC 2045 and 2046.

EXAMPLE 1 If the **Presentation** is described as LAsER XML, the **mimeType** should be "application/x-laser+xml"; if the **Presentation** is described as SVG XML, the **mimeType** should be "image/svg+xml". An **Item** element may contain one or more **Presentations** which can be described by LAsER XML, BIFS and so on.

The **Presentation** may contain the presentation information inline as well-formed XML or just a pointer which points to a remote one. The **ref** attribute of the **Resource element** is used to identify whether it is a pointer or not. The URI value of the **ref** identifies the presentation information. It is a pointer that points to the remote presentation information; if the **ref** attribute is omitted, it means that the **Presentation** shall contain the presentation information inline as well-formed XML. For example, it can be a LAsER scene file.

The presentation information can reference the metadata from a remote one. The *mpeg-psmi()* schema can be used to do this.

NOTE It should be noticed that the information in parent Item may be modified when employs mpeg-psmi() mechanism.

The **Presentation** is the extension of the **Descriptor** element, and it provides the presentation information for the item element which contains it. The namespace of **Presentation** is urn:mpeg:mpeg21:2010:02-DIDL-P-NS and its prefix is didl-p.

Table AMD1.1 — The Presentation syntax

Diagram	<pre>classDiagram class PresentationType { +attributes } class DescriptorType { +attributes } class Condition { +attributes } class Descriptor { +attributes } class Component { +attributes } class Statement { +attributes } PresentationType .. > DescriptorType : extension PresentationType *-- Container class Container { } Container --> Condition : didmodel:Condition 0..∞ Container --> Descriptor : didmodel:Descriptor 0..∞ Container --> Component : didmodel:Component 0..∞ Component --> Statement : didmodel:Statement Condition -- > Condition Descriptor -- > Descriptor Component -- > Component Statement -- > Statement</pre>		
Children	<Component> <Condition> <Descriptor> <Statement>		
Used by	<Item>		
Attribute	Name	Type	Description
	precedence	string	Specifies whether one Presentation has precedence over others.
Source	<pre><complexType name="PresentationType"> <complexContent> <extension base="didl:DescriptorType"> <attribute name="precedence" type="string"/> </extension> </complexContent> </complexType></pre>		