### INTERNATIONAL STANDARD

ISO/IEC 21000-2

Second edition 2005-10-01 **AMENDMENT 1** 2012-03-15

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

Part 2: **Digital Item Declaration** 

AMENDMENT 1: Presentation of digital item **iTeh STANDARD PREVIEW** 

(STechnologies de l'information — Cadre multimédia (MPEG-21) —
Partie 2: Déclaration d'article numérique

ISOMENDEMENTS APPrésentation d'article numérique https://standards.iteh.ai/catalog/standards/sist/5258b9e3-32eb-4fed-85c8-07115c5b32b6/iso-iec-21000-2-2005-amd-1-2012



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Published in Switzerland

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Amendment 1 to ISO/IEC 21000-2:2005 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 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.

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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 <u>information in the parent tem may</u> be modified when it employs the mpeg-pmsi() mechanism. https://standards.iteh.ai/catalog/standards/sist/5258b9e3-32eb-4fed-85c8-

07115c5b32b6/iso-iec-21000-2-2005-amd-1-2012

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.

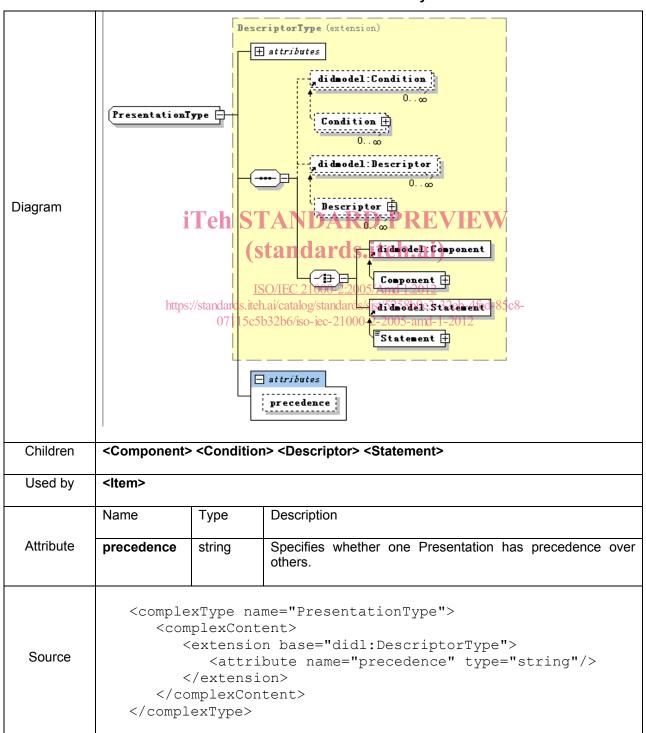
The **Presentation** may contain the presentation information inline as well-formed XML or just a pointer which points to a remote one. The **ref** attribute of the **Resource element** is used to identify whether it is a pointer or not. The URI value of the **ref** identifies the presentation information. 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-pmsi()* schema can be used to do this.

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



#### EXAMPLE 2 The **Presentation** makes use of regular Component/Resource for "mimeType" and "ref" functionality.

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ICS 35.040

Price based on 3 pages