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

**Part 19:  
Media Value Chain Ontology**

**AMENDMENT 1: Extensions on time-  
segments and multi-track audio**

*Technologies de l'information — Cadre multimédia (MPEG-21) —  
Partie 19: Ontologie de chaîne de valeur de média  
AMENDEMENT 1: Titre manque*

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A list of all parts in the ISO/IEC 21000 series can be found on the ISO website.



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

## Part 19: Media Value Chain Ontology

### AMENDMENT 1: Extensions on time-segments and multi-track audio

#### *Introduction*

Add the following text after the last paragraph:

This document consists of eight Clauses and three Annexes. This technology is described in the following sections of this document:

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model:          | The model is described in Clause 6, by way of a narrative description of the Value Chain, its main elements and relations.                                                                                                                                                                                                                                                                                                                                                       |
| Representation: | The MVCO has been formalized as a normative OWL Ontology, the description of which is given in Clause 7. The description consists of listing the classes, the object properties, the datatype properties, and the class individuals. Classes are described by giving the name, an English definition, the class hierarchy, and the restrictions imposed on the class. Annex B contains the normative OWL (XML/RDF) comprising the entire semantics of the elements in the model. |
| Ontology Use:   | An informative section is provided with non-normative descriptions of use, extensions and an API (Annex A).                                                                                                                                                                                                                                                                                                                                                                      |
| Extension:      | An extension of the MVCO defining additional concepts for the description of the value chain of composite IP Entities in the audio domain is described in Clause 8. Annex C contains the corresponding normative OWL (XML/RDF).                                                                                                                                                                                                                                                  |

#### *Scope*

Replace the text with the following:

This document describes MPEG-21 Media Value Chain Ontology (MVCO). The MVCO can be used to capture knowledge about media value chains and to represent it in a computer readable way, as well as concepts in the domain and the relationships between those concepts.

*Clause 3*

Replace 3.1.1 to 3.1.61 with:

**3.1.1**

**action**

process of performing functions

**3.1.2**

**adaptation**

IP Entity that is a Work derived from another Work or Adaptation

**3.1.3**

**AdaptationInstance**

IP Entity which is an example of an Identified Adaptation Manifestation

EXAMPLE A file.

**3.1.4**

**AdaptationInstanceCopy**

IP Entity that is a copy of an AdaptationInstance

**3.1.5**

**AdaptationManifestation**

IP Entity which is an expression of an Adaptation

Note 1 to entry: IP Entity can be an object or an event.

**3.1.6**

**AdaptationManifestationCopy**

IP Entity that is a copy of an AdaptationManifestation

**3.1.7**

**adaptor**

user who produces an Adaptation and its AdaptationManifestations

**3.1.8**

**anonymous**

user whose identity is unknown

### 3.1.9

#### **broadcast**

action that delivers Content to a Device in a point-to-multipoint modality

### 3.1.10

#### **collective**

set of two or more Users

### 3.1.11

#### **content**

set of one or more Content Elements

EXAMPLE A Digital Item.

### 3.1.12

#### **content element**

type of data

Note 1 to entry: Content elements can be Resources, metadata, nested Contents, licenses, IPMP data, IPMP tools and Use Data.

### 3.1.13

#### **ContentHandler**

user who is appointed to act on content on behalf of another User and within the scope and responsibility of that second User's rights

### 3.1.14

#### **copy**

mechanical reproduction of analogue or digital representation of a given IP Entity

Note 1 to entry: In the case of a digital Copy the result is of virtually identical quality while in the case of an analogue Copy the result can vary considerably in quality.

### 3.1.15

#### **CopyrightException**

permission to invoke a right under exceptional circumstance

EXAMPLE When a particular Fact is true.

### 3.1.16

#### **CreateWork**

action of creating a Work without any previous IP Entity

**3.1.17**

**creator**

author

user who generates a Work and makes its Manifestations

**3.1.18**

**distribute**, verb

action of selling, renting or lending

**3.1.19**

**distributor**

user who distributes a Product

**3.1.20**

**device**

combination of hardware and/or software that allows a User to execute functions over Content and/or IP Entities

**3.1.21**

**download**, verb

action of transferring a file or program from a central computer to a smaller computer or to a computer at a remote location

**3.1.22**

**EndUser**

user in a Value Chain who ultimately consumes Content

**3.1.23**

**EndUser Action**

action performed by an EndUser

**3.1.24**

**fact**

positive proposition



### 3.1.25

#### **identify**

function of assigning a unique signifier that establishes the identity of entities, Devices, Content and Content Elements

### 3.1.26

#### **instance**

IP Entity which is an example of an Identified Manifestation

Note 1 to entry: IP Entity can be an object or an event.

EXAMPLE A file.

### 3.1.27

#### **instantiator**

user who produces an Instance

### 3.1.28

#### **Intellectual Property**

#### **IP**

any identifiable product of the mind attributable to any person(s) or legal entitie(s) that can be represented or communicated physically and protectable by copyright or similar laws

### 3.1.29

#### **interval**

temporal entity defined by a start and end point

### 3.1.30

#### **IP entity**

type of IP represented by Content: Work, Adaptation, Manifestation, Instance, Product

### 3.1.31

#### **MakeAdaptation**

action of making an Adaptation

### 3.1.32

#### **MakeAdaptationManifestationCopy**

action of making an AdaptationManifestationCopy

### 3.1.33

**MakeAdaptationInstanceCopy**

action of making an AdaptationInstanceCopy

**3.1.34**

**MakeAdaptationInstance**

action of making an Instance from an AdaptationManifestation

**3.1.35**

**MakeAdaptationManifestation**

action of making an AdaptationManifestation

**3.1.36**

**MakeCopy**

action of making a copy

**3.1.37**

**MakeInstance**

action of making an Instance from a Manifestation

**3.1.38**

**MakeManifestation**

action of making a Manifestation

**3.1.39**

**MakeWorkInstanceCopy**

action of making a WorkInstanceCopy

**3.1.40**

**MakeWorkManifestationCopy**

action of making a WorkManifestationCopy

**3.1.41**

**MakeWorkInstance**

action of making an Instance from a WorkManifestation

**3.1.42**

**MakeWorkManifestation**

action of making a Manifestation of a Work

**3.1.43**

**manifestation**

IP Entity which is an expression of a Work

Note 1 to entry: IP Entity can be an object or an event.

**3.1.44**

**permission**

authorisation from one Rights owner to one or more Users to perform one or more Actions on a given IP Entity

**3.1.45**

**private copy**

action of storing Content and hold it private for non commercial purposes

**3.1.46**

**produce**, verb

action of making Products

**3.1.47**

**producer**

user that makes Products

**3.1.48**

**product**

IP Entity that adds value to IP Entities by including them with an appropriate licence for publishing

**3.1.49**

**public communication**

action of publicly displaying/performing

EXAMPLE Live performance, radio, television, internet streaming, multicast of Instances and Manifestations, and download.

**3.1.50**

**render**

action of converting a Resource to a human-perceivable form