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Information technology — MPEG systems technologies —

Part 10: Carriage of timed metadata metrics of media in ISO base media file format

AMENDMENT 1: Support for content-guided transcoding and spatial relationship of immersive media

Technologies de l'information — Technologies des systèmes MPEG —

Partie 10: Transport de métriques de métadonnées de temporisation de supports au format de fichier de support en base ISO

AMENDEMENT 1: Support pour transcodage guidé par le contenu et relation spatiale des média immersifs

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Information technology — MPEG systems technologies —

Part 10:
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AMENDMENT 1: Support for content-guided transcoding and spatial relationship of immersive media

5.2.2

Replace:

“The decoder power indication metadata sample entry shall be as follows.“

with:

“The decoder-power indication metadata uses the following sample entry:“

Replace:

“The decoder-power indication sample shall conform to the following syntax:“

with:

“The decoder-power indication samples use the following syntax:“

5.3.2.2

Replace:

“Display power indication metadata shall use the following sample entry:

with:

“The display-power indication metadata uses the following sample entry:

Replace:

“The display power indication sample shall use the following syntax“

with:

“The decoder-power indication samples use the following syntax:“

5.3.3.2

Replace:

“The display fine control metadata sample entry shall store static metadata as follows.“

with:

“The display fine control metadata uses the following sample entry:“

Replace:

“The display fine control metadata sample shall use the following syntax:“

with:

“The display fine control metadata samples use the following syntax:“

Clause 6

Add new Clauses 7 and 8 at the end of Clause 6 as follows:

7 Carriage of timed metadata for content-guided transcoding

7.1 General

The metadata provide metrics on the streams that may be produced by a transcoding task. The metadata are encapsulated into timed metadata tracks of ISOBMFF file. Two types of sample entry are proposed to match two use-cases of content-guided transcoding. For an optimal usage of the metadata, the metadata producer needs to be informed of the transcoding function that is used in the network. The detailed description of the transcoding function is out of scope of this specification.

The timed metadata track is linked to the track it describes by means of a `'cdsc'` (content describes) track reference. The synchronisation of metadata when using CMAF standard is based on the same timed metadata tracks.

7.2 Recommended video format metadata

7.2.1 Definition

Sample Entry Type: `'rvrf'`

Container: Sample Description Box (`'stsd'`)

Mandatory: No

Quantity: 0 or 1

This metadata indicates the recommended video resolution and frame rate at different bitrates over the sample duration.

7.2.2 Syntax

Recommended Video Format Metadata use the following sample entry:

```
class RecVideoFormatMetaDataSampleEntry()
     extends MetaDataSampleEntry ('rvrf') {
   RecVideoFormatConfigurationBox();
}
class Device () {
   unsigned int(5) device_class;
   unsigned int(3) reserved = 0;
   unsigned int(32) codec_type;
   unsigned int(8) codec_profile;
}
aligned(8) class RecVideoFormatConfigurationBox
     extends FullBox('rvfc', version = 0, flags = 0) {
   unsigned int(5) num_devices;
```


