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TECHNICAL CORRIGENDUM 3

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Information technology — JPEG 2000 image coding system —

Part 12:
ISO base media file format

TECHNICAL CORRIGENDUM 3

Technologies de l'information — Système de codage d'image JPEG 2000 —

Partie 12: Format ISO de base pour les fichiers médias

RECTIFICATIF TECHNIQUE 3

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In subclause 8.16.1 replace:

In audio tracks, the sampling rate of the audio should be used as the timescale of the media, and also documented in the samplerate field here.

by:

The samplerate, samplesize and channelcount fields document the default audio output playback format for this media. The timescale for an audio track should be chosen to match the sampling rate, or be an integer multiple of it, to enable sample-accurate timing.

In subclause 8.16.1 add at the end:

The audio output format (samplerate, samplesize and channelcount fields) in the sample entry should be considered definitive only for codecs that do not record their own output configuration. If the audio codec has definitive information about the output format, it shall be taken as definitive; in this case the samplerate, samplesize and channelcount fields in the sample entry may be ignored, though sensible values should be chosen (for example, the highest possible sampling rate).

In subclause 8.16.2 replace:

```
class AudioSampleEntry(codingname) extends SampleEntry (codingname){
   const unsigned int(32)[2] reserved = 0;
   template unsigned int(16) channelcount = 2;
   template unsigned int(16) samplesize = 16;
   unsigned int(16) pre_defined = 0;
   const unsigned int(16) reserved = 0 ;
   template unsigned int(32) samplerate = {timescale of media}<<16;
}
```

by:

```
class AudioSampleEntry(codingname) extends SampleEntry (codingname){
   const unsigned int(32)[2] reserved = 0;
   template unsigned int(16) channelcount = 2;
   template unsigned int(16) samplesize = 16;
   unsigned int(16) pre_defined = 0;
   const unsigned int(16) reserved = 0 ;
   template unsigned int(32) samplerate = {default samplerate of media}<<16;
}
```


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