



INTERNATIONAL STANDARD ISO/IEC 14496-12:2005
TECHNICAL CORRIGENDUM 3

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Information technology — Coding of audio-visual objects —

Part 12:

ISO base media file format

TECHNICAL CORRIGENDUM 3

Technologies de l'information — Codage des objets audiovisuels —

Partie 12: Format ISO de base pour les fichiers médias

RECTIFICATIF TECHNIQUE 3

Technical Corrigendum 3 to ISO/IEC 14496-12:2005 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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.

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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;
}
```