INTERNATIONAL STANDARD ISO/IEC 23000-10:2012
TECHNICAL CORRIGENDUM 2

Published 2014-03-15

Information technology — Multimedia application format (MPEG-A) —

Part 10:
Surveillance application format

TECHNICAL CORRIGENDUM 2

Technologie de l'information — Format pour application multimédia (MPEG-A) —

Partie 10: Format pour application à la surveillance

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to ISO/IEC 23000-10:2012 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

In section 3.1, remove:

Note that for every video sample a metadata sample must be provided. Therefore the technique described here must be used for all the video tracks and for all corresponding metadata tracks. When using more than one video track it must be ensured that all tracks have the same total duration.

ICS 35.040

Ref. No. ISO/IEC 23000-10:2012/Cor.2:2014(E)

Published in Switzerland

In section 4.2, replace:

Complete UTC timing information shall be provided according to the "dateTime" data type of W3C Recommendation "XML Schema Part2: Datatypes" using the "Z" parameter. The time calculation defined in the ISO base media file format [see ISO/IEC 14496-12] shall be used with 64-bit numbers.

with:

The `startTime` and `Duration` fields defined in this specification use 64-bit numbers. The `timescale` parameter of the Movie Header Box shall be applied to all of them in order to support fine-grained resolution in fractions of seconds.

In section 4.6.2.2, remove:

A Track Header Box version "1" shall be used.

In section 4.6.2.2, replace:

They shall both be set to zero for a metadata track.

with:

They shall both be set to zero for metadata and audio tracks.

In section 4.6.2.6, replace:

A Media Header Box version "1" shall be used.

with:

A Media Header Box version "1" shall be used for timed metadata tracks.

In section 4.6.2.6, remove:

For this AF the timescale shall be set equally to the value used in the movie header box.

In section 6.3, replace:

A required camera/microphone identifier box shall be included and an additional Meta Box may be included.

with:

A required camera/microphone identification box shall be included for all media tracks and an additional Meta Box may be included.

In section 6.4.1, replace:

The timestamps are stored in timestamp metadata samples of type 'tsvi' in a time parallel metadata track which is linked to the video track by means of a track reference with type '*vsmd*'.

with:

The timestamps are stored in MetadataSampleEntry with codingname 'tsvi' in a time parallel metadata track which is linked to the video track by means of a track reference with type '*vsmd*'.

In section 6.4.2, replace:

The timestamps are stored in timestamp metadata samples of type 'tsau' in a time parallel metadata track which is linked to the audio track by means of a track reference with type '*asmd*'.

with:

The timestamps are stored in MetadataSampleEntry with codingname 'tsau' in a time parallel metadata track which is linked to the audio track by means of a track reference with type '*asmd*'.

In section 6.4.3, replace:

Surveillance AF Sample Timestamp Metadata Sample Entry and Sample Format

with:

Timed Metadata Sample Format

In section 6.4.3, replace:

The Surveillance AF defines the storage of a binary coded timestamp for all audio access units of an audio track and all video samples of a video track. However future version of the Surveillance AF might store more information. The surveillance metadata sample entry contains a version number to inform the reader of the sample format used in this metadata track. The Surveillance AF uses version 1 timestamp metadata sample format. A reader should check the version number to enable future extensions.

with:

Timestamps shall be contained in 'mdat' box and shall be 64-bit unsigned integer values representing the UTC based time of the appropriate media sample. The resolution shall be determined by the `timescale` parameter of the corresponding media track (Media Header Box).

Remove section 6.4.3.1, 6.4.3.2 and 6.4.3.3