



INTERNATIONAL STANDARD ISO/IEC 23008-12:2017  
TECHNICAL CORRIGENDUM 1

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# Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 12: Image File Format

## TECHNICAL CORRIGENDUM 1

*Technologies de l'information — Codage à haute efficacité et livraison des médias dans des environnements hétérogènes —*

*Partie 12: Format de fichier d'image*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 23008-12:2017 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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*Throughout the document, replace all occurrences of "Track\_enabled" with "track\_enabled".*

*Throughout the document, replace all occurrences of "Track\_in\_movie" with "track\_in\_movie".*

*In the Introduction, add the following after the sentence: "The file format specified in this document is referred to as the High Efficiency Image File Format (HEIF)."*

HEIF is suggested to be pronounced "heaff" (like heath with an ff ending).

*Remove 3.1.37 (definition of thumbnail image) and renumber the subsequent terms and definitions.*

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*In Clause 4, replace the paragraph about Clause 9 with:*

Clause 9 specifies enhancements to the ISO base media file format.

*In subclause 6.2, remove the final paragraph.*

*In 6.4.2, remove ", as specified in 9.2" from the first sentence.*

*Add the following paragraph at the end of 6.5.4.1:*

When no pixel aspect ratio 'pasp' descriptive item property is associated with an image item, readers shall infer pixel aspect ratio 1:1 to apply for the image item.

*In 6.5.8.1, replace:*

Box type: 'auxc'

*with:*

Box type: 'auxC'

*Add the following NOTE at the end of 6.6.1:*

NOTE This document does not require the colour space of the input images for grid or overlay derived image items to be identical. Derived specifications could constrain the colour space to avoid the need for colour space conversions in the derivation process.

*In 6.8.2.1, remove the second item in the list ("— S: the media timescale of the track;")*

*In 7.2.1, replace both occurrences of "to0x0001000" with "to 0x00010000".*

*In 7.3, replace the final paragraph with the following:*

(flags & 1) equal to 1 in the EditListBox indicates that media is repeated, as specified in ISO/IEC 14496-12.

When (flags & 1) is equal to 1, the entire edit list is repeated a sufficient number of times to equal the track duration.

NOTE The number of times the edit list is repeated does not need to be an integer. In other words, the last repetition of the edit list can be cut to match the track duration.

If the track duration is unknown/indefinite, the edit list is repeated indefinitely.

*In 7.5.2, remove ", as specified in 9.5" from the second sentence.*

*In 7.5.2, remove ", as defined in 3.1.29" from the fourth sentence.*

*In 7.5.3.1, remove ", as defined in 3.1.39" from the final sentence.*

*In 7.5.3.3, replace the content of the subclause with:*

```
aligned(8) class AuxiliaryTypeInfoBox
    extends FullBox ('auxi', 0, 0) {
        string aux_track_type;
    }
```

*In 8.3, remove ", as defined in 3.1.39" from the second paragraph.*

*In 8.3, remove "as defined in 9.7" from the final paragraph.*