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AMENDMENT 2
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Information technology — Multimedia application format (MPEG-A) —

Part 22: Multi-image application format (MIAF)

AMENDMENT 2: HEVC Advanced HDR profile and other clarifications

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

Partie 22: Format pour application à images multiples (MIAF)

AMENDEMENT 2: Profil HDR avancé pour HEVC et autres clarifications

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

A list of all parts in the ISO/IEC 23000 series can be found on the ISO and IEC websites.

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

Part 22:
Multi-image application format (MIAF)

AMENDMENT 2: HEVC Advanced HDR profile and other clarifications

3.3

Replace the definition with the following:

brand indicating that a MIAF file conforms to additional requirements that apply to all MIAF profiles and that MIAF readers and MIAF renderers that implement these requirements may process the MIAF file

Clause 3

Add the following new terms and definitions at the end of the clause:

3.16
CICP colour information
metadata provided by a colour information box or property with `colour_type` equal to '`nclx`'

3.17
ICC colour information
metadata provided by a colour information box or property with `colour_type` equal to '`prof`' or '`rICC`'

Clause 5

Replace paragraphs two to six with the following:

Clause 7 specifies general requirements that apply to all MIAF profiles. These requirements are split in two ways:

— requirements at the file format structure level, and requirements at the 'abstraction layer' that the file format structures create; and

— requirements for both still images, image sequences and video.

Clause 8 specifies constraints which are shared by one or more MIAF profiles.

Clause 9 specifies the coding format(s) that must be supported in any player, independent of any MIAF profile.

Clause 10 specifies the MIAF application brands that indicate conformance to the normative requirements of this document, common to all MIAF profiles (as documented in the clauses preceding the annexes), and the applicable file extensions.

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Annex A specifies the MIAF profiles, each of which imposes a set of specific restrictions which shall be followed for enabling interoperability between MIAF files and MIAF readers.

6.3

Replace the text with the following:

A MIAF image item is independently decodable and represented by an image item that conforms

a) to the box-level requirements for image items in subclause 7.2.1; and

b) to the requirements for image items in subclause 7.3; and

c) to the requirements of a defined MIAF profile, if it exists, and for which a brand should appear in the FileTypeBox.

6.4

Replace the text with the following:

A MIAF thumbnail image item is a MIAF image item that

a) is referenced as a thumbnail image from a MIAF master image item;

b) has its image data stored in the same file as the MIAF master image item for which it is a thumbnail.

6.5

Replace the text with the following:

A MIAF auxiliary image item is a MIAF image item that

a) conforms also to the requirements for auxiliary image items in subclause 7.3.5;

6.6

Replace the first dashed item in the first dashed list with the following:

— a file compliant to this document

Replace the third dashed item in the "Outputs of a MIAF reader" dashed list with the following:

— the metadata associated with the output image(s), including the content of the `ColourInformationProperty` or `ColourInformationBox` box(es).

Designate the existing NOTE 3 as NOTE 4 and add the following new NOTE before it:

NOTE 3 All colour properties are expected to be parsed by MIAF readers, including all colour types (on-screen i.e. `colour_type` equal to '`nclx`', constrained and unconstrained ICC profiles), and passed as metadata to the MIAF renderer.

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