



International
Standard

ISO/IEC 23008-12

**Information technology — High
efficiency coding and media
delivery in heterogeneous
environments —**

**Part 12:
Image File Format**

**AMENDMENT 1: Support for tone map
derivation and other technologies**

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

Partie 12: Format de fichier d'image

*AMENDEMENT 1: Support pour la dérivation de la carte des
tonalités et autres technologies*

**Third edition
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**AMENDMENT 1
2025-10**

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Information technology — High efficiency coding and media delivery in heterogeneous environments —

Part 12: Image File Format

AMENDMENT 1: Support for tone map derivation and other technologies

Clause 2

Add the following normative references to Clause 2:

ISO/CIE 11664-3, *Colorimetry — Part 3: CIE tristimulus values*

ISO/CIE 11664-4, *Colorimetry — Part 4: CIE 1976 L*a*b* colour space*

ISO 21496-1, *Digital photography — Gain map metadata for image conversion — Part 1: Dynamic range conversion*

Subclause 3.1

Add the following terms:

3.1.53 merge region item

region item (3.1.45) associated with an image item (3.1.19) that represents an approximate, merge or summary of one or more region items associated with one or more other image items

3.1.54 tone-map derived image item

derived image item (3.1.9) of type 't_{map}' where the operation (3.1.34) is to apply the output image (3.1.35) of a *gain map image item* (3.1.56) to the output image of a *base image item* (3.1.55) according to ISO 21496-1

Note 1 to entry: ISO 21496-1 gain maps can for example be used to create a fully defined backwards compatible transformation from SDR to HDR output and vice-versa.

3.1.55 base image item

image item (3.1.19) that is the first input to a *tone-map derived image item* (3.1.54)

3.1.56 gain map image item

image item (3.1.19) that is the second input to a *tone-map derived image item* (3.1.54)

3.1.57 backward playback

playback of timed content in reverse chronological order