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AMENDMENT 1
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Information technology — JPEG 2000 image coding system: Reference software

AMENDMENT 1: Reference software for the JP2 file format

Technologies de l'information — Système de codage d'image JPEG 2000: Logiciel de référence

AMENDEMENT 1: Logiciel de référence pour le format du fichier JP2

Reference number
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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Amendment 1 to ISO/IEC 15444-5:2003 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T, but is not published as common text at this time.

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Information technology — JPEG 2000 image coding system: Reference software

AMENDMENT 1: Reference software for the JP2 file format

In Clause 1, delete the fifth bullet point:
"

- partial processing of a JP2 file to extract a JPEG 2000 codestream for decoding to a range of selected widely available image formats

  NOTE — The reference software does not implement a conforming JP2 file reader. See section 9.

".

In Clause 1, add the following text to the bulleted list:
"

— Processing of a JP2 file to extract a JPEG 2000 codestream for decoding and conversion to a range of selected widely available image formats

— The ability to extract metadata from a JP2 file, including the contents of the Image Header box and the colour space

— The decoding of JP2 files that use the Three-Component Matrix-Based form of the Restricted ICC method for the specification of colour space and the conversion of the decoded image data to the sRGB colour space for display, including limited upsampling of all decoded components to the same resolution

— The decoding of JP2 files that use the Monochrome form of the Restricted ICC method for the specification of colour space and the conversion of the decoded image data to the sRGB based greyscale space as defined within the JP2 file format

— The decoding of JP2 files that use the sYCC colour space and the conversion of the decoded image data to the sRGB colour space for display, including upsampling of all decoded components to the same resolution

".

In Clause 9, replace paragraphs 1, 2 and 3 with the following two paragraphs:
"

Both sets of reference software offer the capability to encode and decode codestreams and JP2 files that conform to the syntax defined in ITU-T Rec. T.800 | ISO/IEC 15444-1:2003.

For transcoding to other image formats or for display, both sets of reference software allow the user to assume in the absence of additional information that decoded codestream components are in the sRGB colour space or sRGB based greyscale.
".

In Subclause 9.1, delete the informative note after bullet 1.

In Subclause 9.2, delete the informative note after bullet 2.

After paragraph 1 of A.1, delete the informative note.

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In A.5, replace the following:
"

1) Partial support (non-conforming) for JPEG 2000 JP2 file (JP2)
"

with
"

1) JPEG 2000 JP2 file (JP2)
".

In paragraph 1 of B.1, replace the following:
"

The decoder provides decompression of a JPEG 2000 codestream into a number of image formats, and partial support (non-conforming) for the JP2 file format (see section 9.2).
"

with
"

The decoder provides decompression of a JPEG 2000 codestream into a number of image formats, and support for the JP2 file format.
".

After paragraph 1 of B.1, delete the informative note.

Replace the package files, ***JASPER.ZIP*** *and* ***JJ2000.ZIP****, in ISO/IEC 15444-5 with the software package files accompanying this document.*

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