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AMENDMENT 1
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**Information technologies — JPEG
systems —**

**Part 5:
JPEG universal metadata box format
(JUMBF)**

**AMENDMENT 1: Support for embedding
mixed codestreams**

Technologies de l'information — Systèmes JPEG —

*Partie 5: Format universel de fichier de métadonnées pour JPEG
(JUMBF)*

ISO/IEC 19566-5:2019/Amd 1:2021

AMENDEMENT 1

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier; Geneva
Phone: +41 22 749 01 11
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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*.

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Information technologies — JPEG systems —

Part 5: JPEG universal metadata box format (JUMBF)

AMENDMENT 1: Support for embedding mixed codestreams

A.3, Table A.2

Replace the table footer text with:

The upper 4 bits are reserved for future use by ISO/IEC.

B.2.2, NOTE

Replace the note with the following note:

NOTE Despite the 'jp2c' type name, a Contiguous Codestream box is not restricted to JPEG 2000 codestreams. The codestream type is determined by the parent image codestream type.

Annex B

Add a new clause at the end of Annex B as follows:

B.6 Embedded File Content Type

B.6.1 JUMBF box Content

JUMBF boxes that embed binary files shall use the 0x40CB0C32-BB8A-489D-A70B-2AD6F47F4369 JUMBF TYPE. The Content of the JUMBF box shall contain exactly one Embedded File Description box and exactly one Binary Data box as illustrated in Figure B.1.

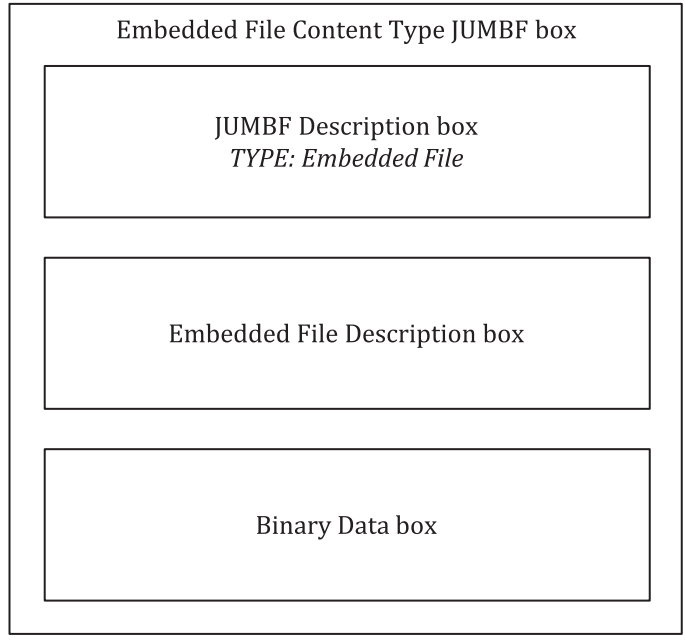


Figure B.6 — Structure of an Embedded File Content Type JUMBF box

The Embedded File Description box provides additional information such as the Media Type of the embedded file.

The Binary Data box contains a complete and valid binary file that corresponds with the Media Type signalled in the Embedded File Description box. Alternatively, the contents of the Binary Data box can be a URI pointing to an external file.

B.6.2 Embedded File Description box

The type of an Embedded File Description box shall be 'bfdb' (0x6266 6462). The contents of the box shall be as in Figure B.7. The fields are summarized in Table B.6.

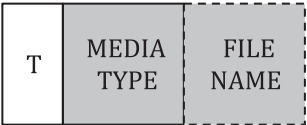


Figure B.7 — Organization of the contents of the Embedded File Description box

— **TOGGLES (T):** This field shall contain TOGGLES as in Table B.5 (toggle for file name present and toggle for embedded/external).