INTERNATIONAL STANDARD

ISO/IEC 18181-2

Information technology — JPEG XL image coding system —

Part 2:
File format

Technologies de l'information - Système de codage d'images JPEG XL —

Partie 2: Format de fichiers

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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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 18181 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Information technology — JPEG XL image coding system —

Part 2:
File format

1 Scope

This document specifies the transport and container formats for JPEG XL codestreams as specified in ISO/IEC 18181-1. This document specifies how to add metadata and extensions to JPEG XL codestreams. A file as described by this document is called a JPEG XL file.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 18181-1:—[1]), *Information technology — JPEG XL image coding system — Part 1: Core coding system*

ISO/IEC 19566-5, *Information technologies — JPEG systems — Part 5: JPEG universal metadata box format (JUMBF)*

INTERNET ENGINEERING TASK FORCE (IETF) RFC 7932, *Brotli Compressed Data Format* [online]. July 2016 [viewed 2021-04-19]. Available at https://tools.ietf.org/html/rfc7932

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 18181-1, ISO/IEC 19566-5 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
box
structured collection of data describing the image or the image decoding process

3.2
box content
data wrapped within the box structure

3.3
box type
kind of information stored within the box

3.4
file format
set of data structures for the storage of metadata and extensions of a codestream

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1) Under preparation. Stage at the time of publication: ISO/IEC FDIS 18181-1:2021.