

# International Standard

## ISO/IEC 18181-3

## Information technology — JPEG XL image coding system —

# Part 3: **Conformance testing**

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

Partie 3: Essai de conformité

Second edition 2025-01

#### ISO/IEC 18181-3:2025(en)



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#### ISO/IEC 18181-3:2025(en)

#### Foreword

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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*.

This second edition cancels and replaces the first edition (ISO/IEC 18181-3:2022), which has been technically revised.

The main changes are as follows:

- Decoder conformance was separated into core conformance and extended conformance;
- Test cases were updated to reflect the second editions of ISO/IEC 18181-1 and ISO/IEC 18181-2;
- References were updated accordingly.

A list of all parts in the ISO/IEC 18181 series can be found on the ISO and IEC websites.

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 <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and

### Information technology — JPEG XL image coding system —

#### Part 3:

### **Conformance testing**

#### 1 Scope

This document specifies the conformance testing of the ISO/IEC 18181 series, also known as JPEG XL.

NOTE Other desirable aspects of implementation (including robustness and performance) are outside the scope of this document.

#### 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 18181-1:2024, Information technology — JPEG XL image coding system — Part 1: Core coding system

ISO/IEC 18181-2:2024, Information technology — JPEG XL image coding system — Part 2: File format

ISO 15076-1<sup>1)</sup>, Image technology colour management — Architecture, profile format and data structure — Part 2: Based on ICC.1:2022

ISO/IEC 60559, Information technology — Microprocessor Systems — Floating-Point arithmetic

<sup>1)</sup> Under development. Stage at the time of publication: ISO/DIS 15076-1:2024.