

INTERNATIONAL
STANDARD

ISO/IEC
18181-3

First edition
2022-10

**Information technology — JPEG XL
Image Coding System —**

**Part 3:
Conformance testing**



Reference number
ISO/IEC 18181-3:2022(E)

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Published in Switzerland

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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*.

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

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Introduction

The ISO/IEC 18181 series, also known as "JPEG XL", supports lossless and lossy compression of images and image sequences.

This document provides the framework, concepts and methodology for testing codestreams and implementations, and the criteria to be achieved to claim conformance to the ISO/IEC 18181 series. The objective of this standard is to promote interoperability between JPEG XL decoders, and to test these systems for conformance. Conformance testing is the testing of a candidate implementation for the existence of specific characteristics required by a standard.

The purpose of this document is to define a common test methodology, to provide a framework for specific test suites, and to define the procedures to be followed during conformance testing.

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. 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, *Information technology — JPEG XL image coding system — Part 1: Core coding system*