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**Information technology — Coded  
representation of immersive media —  
Part 17:  
Reference software and conformance  
for omnidirectional media format  
(OMAF)**

*Technologies de l'information — Représentation codée de média  
immersifs —*

*Partie 17: Logiciel de référence et conformité pour le format de média  
omnidirectionnel (OMAF)*





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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 23090 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 [www.iso.org/members.html](http://www.iso.org/members.html) and [www.iec.ch/national-committees](http://www.iec.ch/national-committees).

## Introduction

The conformance and reference software in this document serves two main purposes:

- validation of the written specification of ISO/IEC 23090-2;
- conformance testing for checking interoperability for the various applications against the reference software which aims to be compliant with ISO/IEC 23090-2.



# Information technology — Coded representation of immersive media —

Part 17:

## Reference software and conformance for omnidirectional media format (OMAF)

### 1 Scope

This document specifies the conformance and reference software for omnidirectional media format (specified in ISO/IEC 23090-2). This document describes the reference software modules and the features that it supports. It also provides a description of how the reference software can be utilized.

In addition, the document lists and describes test vectors comprising ISO base media file format files, media presentation descriptions, segments and combinations thereof that conform to ISO/IEC 23090-2.

### 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 23090-2, *Information technology — Coded representation of immersive media — Part 2: Omnidirectional media format*