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Information technology — Coded representation of immersive media —

Part 26: Conformance and reference software for carriage of geometry-based point cloud compression data

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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.

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Introduction

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

— validation of the written specification of ISO/IEC 23090-18;

— conformance testing for checking interoperability for the various applications against the reference software which aims to be compliant with ISO/IEC 23090-18.

The reference software is structured as an extension of the ISOBMFF reference software library and provides additional functions required for ISO/IEC 23090-18. In addition, it includes a small command line application that uses the library to perform some basic file operations such as multiplexing and demultiplexing a file.

Furthermore, this document is accompanied by a collection of conformance files. These files provide practical demonstrations of various features of ISO/IEC 23090-18, aiding in a more comprehensive understanding and application of the standard.

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Information technology — Coded representation of immersive media —

Part 26: Conformance and reference software for carriage of geometry-based point cloud compression data

1 Scope

This document specifies the reference software and conformance suite for carriage of G-PCC data as specified in ISO/IEC 23090-18. The information provided describes the reference software modules and the features that it supports. It includes the status of the development of the reference software for ISOBMFF encapsulation of carriage of G-PCC data. It also provides a description of how the reference software can be utilized and a description of conformance test vectors.

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 23090-18, *Information technology — Coded representation of immersive media — Part 18: Carriage of geometry-based point cloud compression data*

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