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**Information technology — Coded representation of immersive
media —**

**Part 21:
Reference software for Geometry-based Point Cloud Compression
(G-PCC)**

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ISO/IEC FDIS 23090-21

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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 [website](http://www.iso.org) and IEC [websites](http://www.iec.ch).

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.

Abstract

This is a working draft of the reference software implementing the G-PCC specification. Source code is provided in the attached zip archive.

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Introduction

~~The following Recommendations and International Standards accompanies reference software for ISO/IEC 23090-9 Geometry-based Point Cloud Compression (G-PCC). The reference software includes both encoder and decoder functionality.~~

Reference software is useful in aiding users of a coding standard to establish and test conformance and interoperability, and to educate users and demonstrate the capabilities of the standard. For these purposes, the accompanying software is provided as an aid for the study and implementation of ISO/IEC 23090-9 for Geometry-based Point Cloud Compression (G-PCC).

Source code is available at <https://standards.iso.org/iso-iec/23090/-21/ed-1/en/>. The reference software includes both encoder and decoder functionality.

Warranty disclaimer

Regardless of any and all statements made herein or elsewhere regarding the possible uses of the reference software, the following disclaimers of warranty apply to the provided reference software.

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