Technical Specification

ISO/TS 32007

Document management — Portable Document Format — RichMedia annotations conforming to glTF assets

Gestion de documents — Portable Document Format — Annotations RichMedia conformes aux actifs glTF

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This document was prepared by Technical Committee ISO/TC 171, *Document management applications*, Subcommittee SC 2, *Document file formats, EDMS systems and authenticity of information.*

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Introduction

0.1 PDF: ISO 32000

ISO 32000-2 can embed 3D Computer-aided design (CAD) models as either 3D or RichMedia annotations. 3D node, stream and view dictionaries can only reference data saved in either the ECMA-363 [Universal 3D (U3D) file format] or ISO 14739-1 [the Product Representation Compact (PRC) file format]. This can require the authoritative CAD data to be translated to either U3D or PRC solely to embed the data in a PDF file.

0.2 glTF: ISO/IEC 12113

glTF is an open, royalty-free 3D asset delivery format designed and managed by the Khronos Group, which is a Standards Developing Organization (SDO).

The specification for glTF 2.0 is published as **ISO/IEC 12113:2022**.

0.3 Extending PDF to support glTF

The purpose of this document is to extend the PDF specification to allow RichMedia annotations to include 3D artworks saved in the glTF format.

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