

PUBLICLY
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SPECIFICATION

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**Industrial automation systems and
integration — COLLADA digital asset
schema specification for 3D visualization
of industrial data**

*Systèmes d'automatisation industrielle et intégration — Spécifications
du schéma des actifs numériques COLLADA pour la visualisation 3D
des données industrielles*



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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO/PAS 17506 was prepared by the Khronos Group (as COLLADA Digital Asset Schema Release 1.5.0 Specification, April 2008) and was adopted by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 4, *Industrial data*.

Industrial automation systems and integration — COLLADA digital asset schema specification for 3D visualization of industrial data

1 Scope

This Publicly Available Specification describes the COLLADA schema. COLLADA is a COLLABorative Design Activity that defines an XML-based schema to enable 3D authoring applications to freely exchange digital assets without loss of information, enabling multiple software packages to be combined into extremely powerful tool chains.

The purpose of this Publicly Available Specification is to provide a specification for the COLLADA schema in sufficient detail to enable software developers to create tools to process COLLADA resources. In particular, it is relevant to those who import to or export from digital content creation (DCC) applications, 3D interactive applications and tool chains, prototyping tools, real-time visualization applications such as those used in the video game and movie industries, and CAD tools.

This Publicly Available Specification covers the initial design and specifications of the COLLADA schema, as well as a minimal set of requirements for COLLADA exporters.

2 Requirements

Requirements are indicated using “must” in the following publication (reproduced on the following pages), which is adopted as a Publicly Available Specification:

COLLADA Digital Asset Schema Release 1.5.0 Specification, April 2008.

Pages i to xii of COLLADA Digital Asset Schema Release 1.5.0 Specification, April 2008, are for information only.