



■ Ještě jednou 3D, tentokráte v PDF

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PDF Standards Overview

The PDF specification is a formal, open standard – ISO 32000. ISO 32000 is an umbrella standard for a number of PDF standards types designed to serve the needs of different business professionals at varying stages in the content lifecycle.

Specification or guideline	Purpose	Description
PDF ISO 32000	The umbrella standard "Conventional" PDF for a broad range of uses	Contains the complete PDF specification and supersedes the 1.7 edition of the Adobe PDF Reference. This standard will become the foundation for all future generations of derivative standards. ISO press release ISO 32000 specification ISO 32900-2:2017 specification update
PDF/A ISO 19005	Archiving Records managers, archivists, compliance managers	Provides specifications for the creation, viewing, and printing of digital documents used for long-term preservation. PDF/A preserves and protects final documents of record as self-contained files. It does not allow references to external content since those items may not exist in the future. PDF/A-1 is based on PDF v1.4. PDF/A-2 is under development. ISO 19005 specification PDF/A resource page
PDFES ETSI TS 102 776	PDF digital signatures in the European Union Anyone who needs document-based signatures to enable electronic processes	Provides a standard that will facilitate more secure paperless business transactions throughout Europe, in conformance with European legislation. Maintained by the European Telecommunications Standards Institute (ETSI), ETSI TS 102 776 builds upon the ISO 32000 standard to define a series of profiles for PDFES — PDF Advanced Electronic Signatures that comply with European Directive 1999/93/EC. ETSI press release Part 1 , Part 2 , Part 3 , Part 4 , Part 5
PDF/E ISO 24517	Engineering Architects, engineers, construction professionals, manufacturing product teams	Provides specifications for the creation, viewing, and printing of documents used in engineering workflows. PDF/E facilitates the exchange of documentation and drawings to share with others in the supply chain or streamline review and markup. It specifies PDF settings suitable for building, manufacturing, and geospatial workflows and supports interactive media, including animation and 3D. PDF/E-1 is based on PDF v1.6. ISO 24517 specification Creating PDF/E-ready files (PDF: 1.5M)
PDF/UA ISO 14289	Universal access People with disabilities, IT managers in government or commercial enterprises, compliance managers	Provides a set of guidelines for creating PDF files that are universally accessible. PDF/UA files enhance the readability of a document for people with disabilities, such as vision impairment or limited mobility. These guidelines can be used in conjunction with a wide variety of other PDF file creation settings.

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In Acrobat, you can view and interact with high-quality 3D content created in professional 3D CAD or 3D modeling programs and embedded in PDFs. For example, you can hide and show parts of a 3D model, remove a cover to look inside, and turn parts around as if holding them in your hands.

A 3D model initially appears as a two-dimensional preview image. Clicking the 3D model with the Hand or Select tool enables (or activates) the model, opens the 3D toolbar, and plays any animation.

Selected 3D object

A. Model Tree B. 3D toolbar C. 3D object

ON THIS PAGE

- [Enable playing of 3D content in PDF](#)
- [3D toolbar overview](#)
- [3D preferences](#)

Applies to: Acrobat 2017, Acrobat DC
Last Published: June 6, 2017

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When you open a PDF with 3D content, you see a yellow bar at the top with the message - "3D content has been disabled. Enable this features if you trust this document"


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3D and Virtual Reality

3D Training Materials

Technical Documents

Bringing Cultural Heritage 3D Content to the Web Using the X3DOM Framework is a Case Study and Tutorial which focuses on the development and use of the X3DOM framework. It provides a tutorial on how X3DOM can be used as a carrier for bringing 3D content of cultural heritage to end-users on the Web. The tutorial is related with the development of a dynamic Website that integrates HTML, X3DOM and PHP technologies in order to deliver 3D content to the end-user without the need of installing any plug-ins in a Web-browser.

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Title

[DS.3: Functional specification of requirements for preparing 3D/VR for Europeana](#)

[DS.4: 3D Training Materials](#)

Description

This project deliverable describes how to publish 3D/VR content in the PDF format for uploading to Europeana.

This training manual provides a guide on how to create effective 3D PDF files through conversion from other commonly used formats in cultural heritage applications.

Version Type Size

Final PDF 5.64MB

Final PDF 3.03MB

3D PDFs for viewing

These PDF files have been prepared by a small group of CARARE partners who are in the process of preparing their highly complex and data-intensive 3D reconstruction files into more user-friendly formats that can be viewed by anyone with a standard PC and software. 3D PDF is the format currently being used by CARARE as this best meets the requirements at this time.

You will need Adobe Acrobat 7 or later to enable 3D viewing. Some of these files are also very large and may run slowly on less powerful PCs.

Curated objects

The curated objects are (English) text documents with embedded 3D images that can be individually manipulated.

Title

- [Castle of Rouvignes, Belgium - landscape](#)
- [Enane Abbey, Belgium](#)
- [Macellum at Pompeii, Italy](#)
- [St. John Abbey, Rijnsburg, Croatia](#)
- [Capitel I](#)

Description
Version Type Size

PDF 6.4MB

PDF 5.7MB

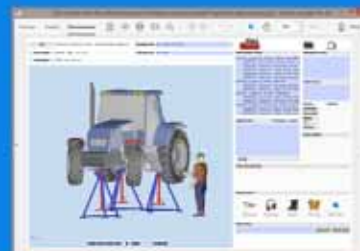
PDF 8.3MB

PDF 10.5MB

PDF 200kB

Manufacturing Work Orders

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Archiving and Data Retention

Businesses, governments, institutions and individuals around the world need to digitally share important engineering information. Much of this information needs to be kept for substantial lengths of time; some needs to be kept permanently. This digital information needs to remain useable and accessible across multiple generations of technology.

Fortunately, PDF excels at both sharing and archiving engineering information. The international community has recognized this and developed two standards, PDF/A (ISO 19005) and PDF/E (ISO 24517) that establish guidelines for archiving PDF files independent of the tools and systems used for creating, storing or rendering the files.

Explore the links on the right to learn more about data retention and archiving using PDF.

[Long Term Archiving with 3D PDF](#)

[Service Documentation](#)

[PDF/A and PDF/E](#)

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