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Welcome to our Webinar!

- Overview of the PDF/A ISO Gary Hodkinson
- PDF/A in Healthcare Dr. Bernd Wild



Gary Hodkinson, Chair UK Chapter, PDF Association





PDF/A Competence Center – PDF Association

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- Competence Center for the PDF/A Standard established 2006
- Currently approximately 125 members
- Healthcare Group with 7 members
- Technology related to PDF/A
 - Active participation in the ISO Standard Committee
 - Technical information on PDF/A and PDF Standards
- Events
 - Information Seminars
 - Exhibition booths
- The pdfa.org Website
 - Answers to technical questions
 - Technical articles, FAQs etc.
 - White Papers, e.g. PDF/A in Healthcare







PDF/A - The Need for a Standard - Goals

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- Long-term preservation long, or "forever"
- PDF/A is:
 - Device/ Software/ Versions-independent: the content is displayed consistently
 - Self Contained: A PDF/A-compatible file contains all the components needed to display it
 - Self Documented: PDF/A compliant files are self-descriptive
 - Transparent: PDF/A files can easily be analysed
 - Digital Paper: a file format for safe reproduction of static documents
- Digitised patient medical records typically will be stored for at least 30 years
- Pharmaceutical companies must store paper & digitised research data for many decades







PDF/A - The Advantages

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- PDF/A can include OCR text, indexing, compression technology, metadata etc
- Unifies your archive format
 - Convert scanned Colour and Black & White (raster)
 - Convert digital documents (Vector)
 - Convert pure XML streams
- Only one file viewer required
- Migration tasks simplified
- Long-term readability guaranteed for the foreseeable future and beyond







PDF v PDF/A - Prohibited Content

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Some examples:

- Active/Variable content (e.g. JavaScript)
- External content and embedded files
- Encryption

In Summary:

- No component of a PDF/A file may jeopardise the consistent format of the document
- The presentation of the document must not rely on external dependencies







PDF v PDF/A - Additional Specifications

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- Fonts must be embedded
- XMP metadata must be consistent

In Summary:

All necessary information, resources and components must be contained in the document or embedded.







PDF/A - Definitions

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Document Management – Electronic document file format for long term preservation –

Part 1: Use of PDF 1.4 (PDF/A-1)

Part 2: Use of PDF 1.7 (PDF/A-2) ISO 32000-1

"PDF/A" - The ISO 19005 Standard family

"PDF/A-1" - ISO 19005-1, Part1, released 10/2005

"PDF/A-1a" – Level A conformance of Part1

Accessibility: tagged, 508 compliance

"PDF/A-1b" - Level B conformance of Part1

Reproducibility and content (metadata)

"PDF/A-2" – New part, introduced summer 2011

"PDF/A-3" – in progress, Embedded Files



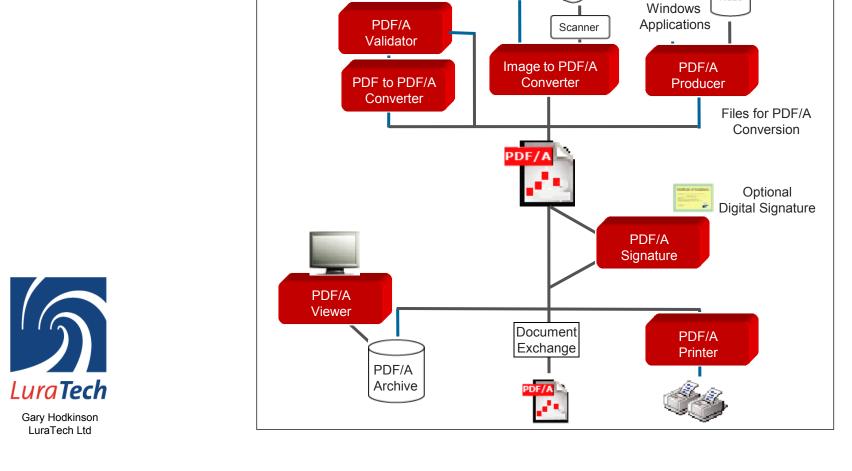


PDF/A Conversion Overview

PDF

Files

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Image

Files

Paper

Host

