

PDF Week 2025 Recap

Workshop,
PDF Days Public Conference
and
ISO meetings

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Workshop (2 days)

- PDF Ecosystem
 - History, standards and future
- PDF as page description language
 - Why PDF
 - ISO
 - Data model, syntax and grammar
 - Validation
- Correctness
 - Lexical
 - PDF versions
 - Data integrity, threats and forgery
- Living standard, future
 - Near term changes (compression & objects)

(slide deck available)

PDF Days (2 day public conference)

- Keynote: “Role of AI in content creation, management and authenticity”
- PDF Tables – difficulties in auto-recognizing tables from span/embedded text
- Collaboration PDF
 - It was not google-docs like collaboration but AI mgmt. of team instead
- HTML representation in PDF
 - Some easy map up, list semantics, table semantics
- Forensics
 - PDF embeds change logs
 - Cache
- Validation and threats
 - PI and conf information not removed
 - Malicious content
 - Spec violations which happen to work in some but not all tools

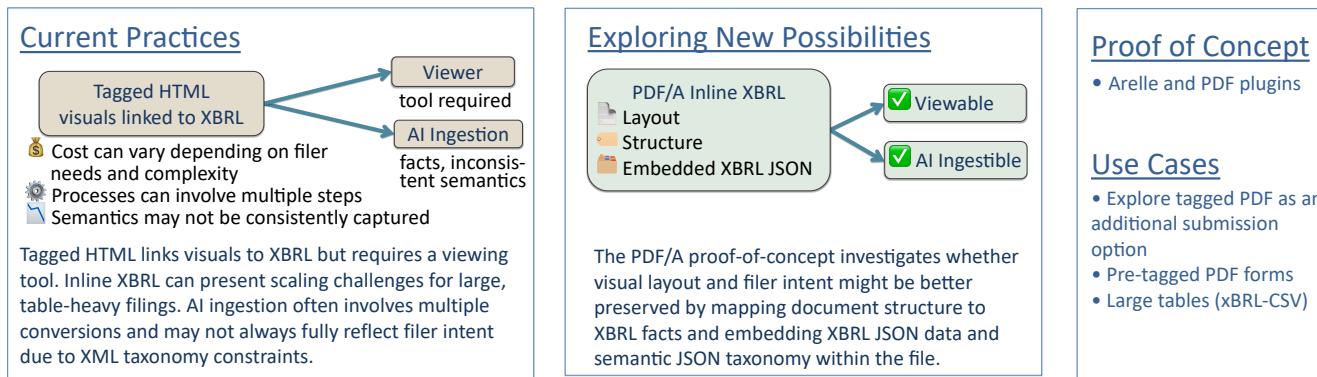
My Poster - PoC for XBRL

PDF Days Europe 2025

PDF/A Proof of Concept for XBRL

Herm Fischer – Exbee Ltd

XBRL is a global standard for financial and prudential reporting • PDF is a globally adopted format for information sharing



Tagged HTML vs PDF Submissions

Inline XBRL (tagged HTML) + XBRL taxonomy (XML) in Report Package (zip)



Inline XBRL (tagged PDF/A) + OIM JSON taxonomy (AI-Ready)



Key differences: • PDF/A structure + XBRL JSON inside → fewer conversions • Pixel-perfect rendering. • Easier AI ingestion



ISO Working Groups

- WGs on standards extensions
 - Major participation on HTML mappings
 - Personal contacts for low level integration

Key Take-aways

- Conf focus on AI for creating and managing PDF
 - XBRL focus is AI **consuming** reports from multiple sources (in PDF?)
- Multiple presenters focus on PDF embedding semantics:
 - Invoices (and other “GL” like applications)
- Feeling that PDF will subsume semantic documents if left on their own
 - Nobody will need us if we self-obsolesce ourselves
- Clear request to use current standards technology
 - Forget CSV -> use CBOR array streaming
 - Avoid JSON -> use CBOR object (streamable)
 - Consider XBRL JSON semantics using PDF object model instead
- EDGAR realization
 - We MUST validate PDFs and apply EFM 5.5 like criteria to PDFs

My next steps

- PDF Tool Plugins
 - Both Acrobat and Foxit GUI Tools
 - XBRL Viewer pane on tagged PDF (like Arelle Viewer pane)
- Arelle Viewer addition for PDF
 - Intermix PDF and HTML tabs
 - (PoC from Madrid meeting)
- OIM Taxonomy Integration for AI consumability
 - Required that major LLMs to discover XBRL semantics on loading PDF