PDF Days Europe 2025

Is zero post-export remediation possible?

A vision for a more efficient PDF accessibility workflow to reduce post-export remediation steps

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Introduction

Research suggests that more than 90% of the 2.5 trillion PDFs created annually worldwide are untagged¹. PDF accessibility can be achieved to a high standard but requires expertise, time and testing with multiple software and assistive tech stacks.

Question

How might we reduce the time and resources spent on post-export remediation?

Strategies and efficiencies to support this vision



Better tools: accessibility built into authoring environments

- Accessibility assistant: Design apps are built-in with accessibility prompts for headings, images, colour, table structure, forms to catch missing tagging, alt text and colour issues before export.
- Checklists and patterns for designers: Accessible tables, forms, charts shared as libraries and templates so designers don't start from scratch.
- **Accessibility preview mode**: designers can preview the tag structure and get a text preview of what a screen reader would announce.
- Reliable structure handoff: When a designer applies a paragraph style "Heading 1," it should reliably export as <H1> in tagged PDF.
- Cross-application interoperability: Authoring tools use a common tagging schema when exporting PDFs.



Smarter remediation assistance

- AI-assisted tagging: Machine learning can generate alt text suggestions or detect headings based on style or visual hierarchy.
- Crowdsourced metadata repositories: Frequently used images, logos, or charts could have shared, reusable alt text so designers don't reinvent descriptions every time.
- **Predictive warnings:** If a designer creates a complex table, the software could warn: "This may not export well. Consider adding table headers."



Laws, standards, and policy

- Conformance to standards: Governments could legislate that all public-sector PDFs must be exported with valid tags and tested against PDF/UA and WCAG standards.
- Procurement rules: Agencies could refuse procurement of tools that do not support accessible export workflows.



Education, certification, skills development

- Design curriculum: Graphic design programs should teach accessibility principles alongside typography and layout. "Accessible design" becomes part of design
- Industry certification: Support for certification programs covering PDF/UA, WCAG, assistive technology testing and accessible content design.



Shift-left strategy

- Cultural shift: Accessibility framed not as compliance, but as part of good design, which results in faster information delivery for all users.
- Integrating accessibility across all stages of product development: For documents, this involves planning from the start, knowing their users and understanding their requirements, developing an accessible colour palette, having a content strategy, working with users and testing early and at different stages.

A vision for the future



- Embedded accessibility diagnostics: Authoring file runs internal checks according to a selected standard profile and carries a self-check report so QA teams and end users know its compliance level and the relevant standard it is meeting.
- Smart tagging upon export: All documents exported to PDF formats will be tagged. Image scans and untagged files will export only as an image format but not as PDF.
- Responsive PDF: Retain fixed-layout fidelity but allow reflow for mobile and AT.
- Dual-format exports: A "twin" file where the PDF includes an HTML layer for accessibility.

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