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# THE POWER OF PDF/UA

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# LET'S GET TO KNOW ONE ANOTHER



Sachin Gupta



Naveesha Maharaj

Who do we have in the room?

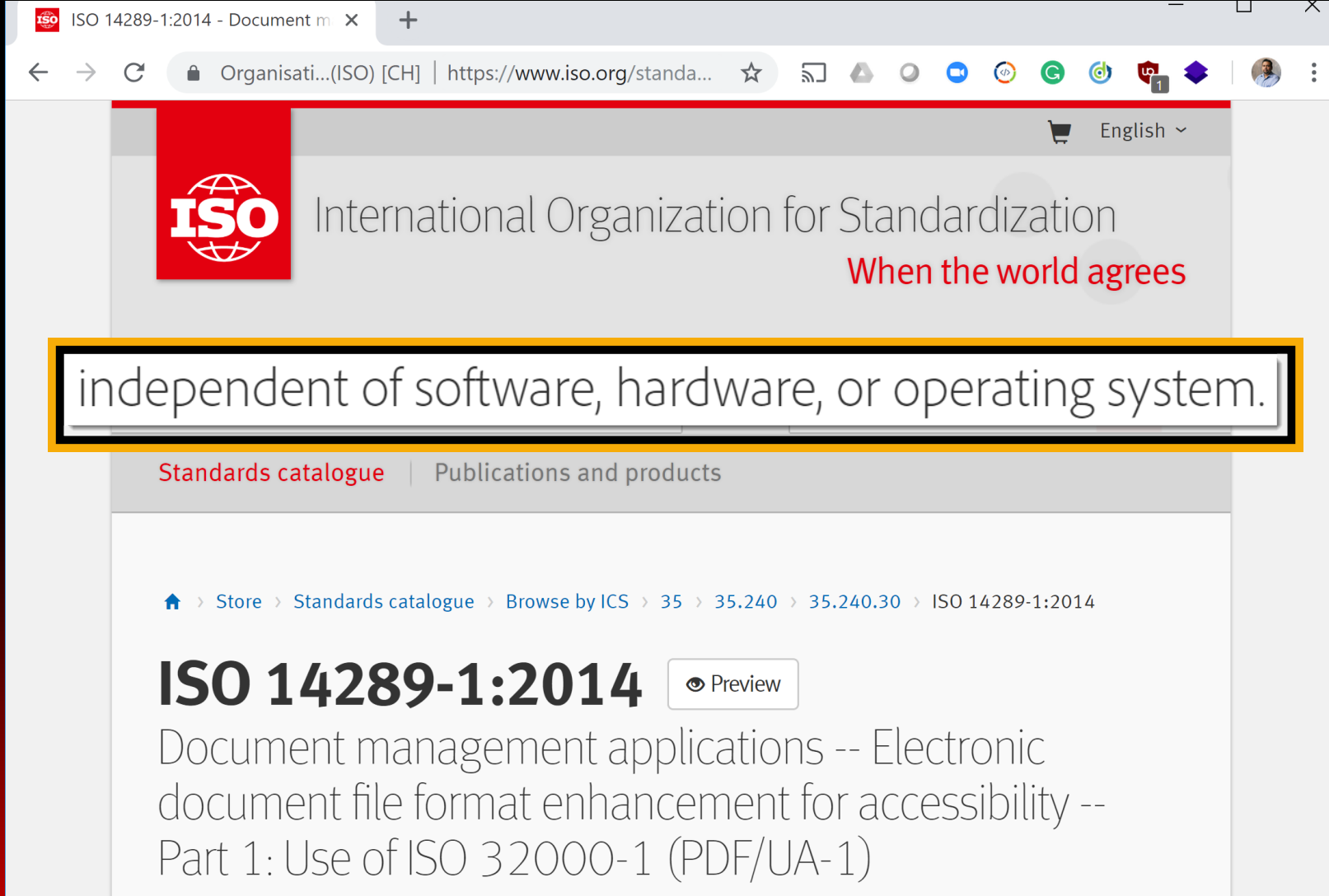




# Considerations for documents



# Why do we need two standards?



The screenshot shows the ISO website interface. At the top, the ISO logo is displayed next to the text "International Organization for Standardization" and the tagline "When the world agrees". Below this, a search bar contains the text "independent of software, hardware, or operating system.". The page is titled "ISO 14289-1:2014" and includes a "Preview" button. The description of the standard is: "Document management applications -- Electronic document file format enhancement for accessibility -- Part 1: Use of ISO 32000-1 (PDF/UA-1)".

ISO 14289-1:2014 - Document m x

Organisati...(ISO) [CH] | https://www.iso.org/standa...

English

**ISO** International Organization for Standardization  
When the world agrees

independent of software, hardware, or operating system.

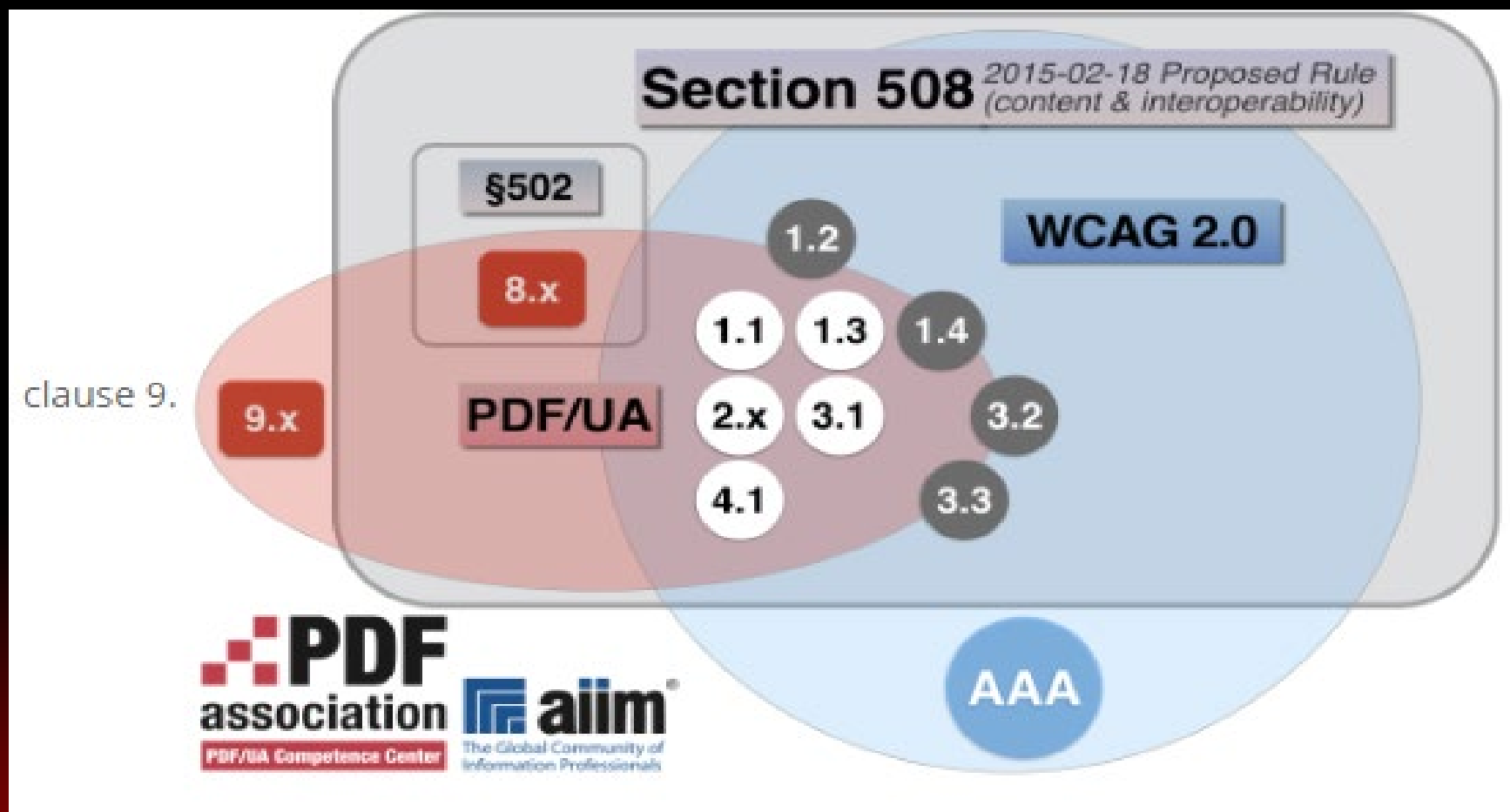
Standards catalogue | Publications and products

Store > Standards catalogue > Browse by ICS > 35 > 35.240 > 35.240.30 > ISO 14289-1:2014

**ISO 14289-1:2014** Preview

Document management applications -- Electronic document file format enhancement for accessibility -- Part 1: Use of ISO 32000-1 (PDF/UA-1)

# PDF/UA, WCAG and Section 508



# Tools



PAC 3 - PDF Accessibility Checker 3

**PDF Accessibility Checker 3**  
Version: 3.0.7.0

Title  
**Deque Higher Ed Accessibility Overview**

Filename  
**Deque\_EDU\_Accessibility\_Overview\_2017[a].pdf**

Language Tags Pages Size  
**en-US 10 1 539 KB**

Summary Report

**✗ This PDF file is not PDF/UA compliant.**

Checkpoint	Passed	Warned	Failed
✓ PDF Syntax	16	0	0
✓ Fonts	6	0	0
✓ Content	1114	0	0
⊗ Embedded Files	0	0	0
✓ Natural Language	530	0	0
✓ Structure Elements	24	0	0
⚠ Structure Tree	0	18	0
✓ Role Mapping	32	0	0
✓ Alternate Descriptions	40	0	0
✗ Metadata	4	0	2
✓ Document Settings	6	0	0

Results in Detail | Summary Report as PDF

Screen Reader Preview | Logical Structure

Document Statistics

Sponsors

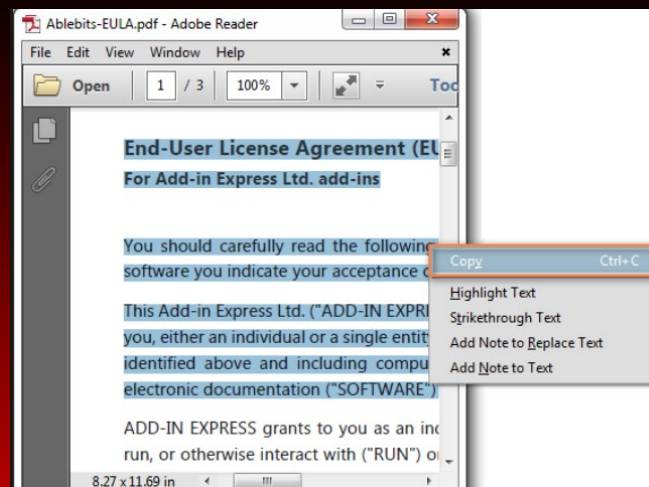
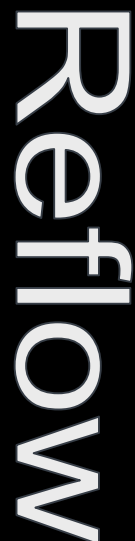
-  Zugang für  
Accès pour tous  
Accesso per tutti  
Access for all
-  axes PDF
-  BITV CONELIT
-  SZBLIND  
Schweizerischer Zentralverein  
für das Blindenwesen
-  printsatz  
DRUCKVORSTUFEN

Logical Structure

- ✓ Natural language of outlines can be determined
- ✓ Natural language of "Contents" entries
- ✓ Natural language of alternate names of form fields
- ⚠ Logical Structure
  - ✓ Structure Elements 0
  - ⚠ Structure Tree 9
  - ✓ Role mapping 0
  - ✓ Alternative Descriptions 0
- ✗ Metadata and Settings 1
  - ✗ Metadata 1
    - ✓ XMP Metadata 0
    - ✗ PDF/UA identifier 1
      - ✗ PDF/UA identifier missing
      - ✓ Title in XMP metadata 0
    - ✓ Document settings 0

Detailed Report





# Searchable & Select-able



# What it takes to make it great!

**PAC 3 - PDF Accessibility Checker 3** Version: 3.0.7.0

**PDF Accessibility Checker 3**

Title: Deque Higher Ed Accessibility Overview  
Filename: Deque\_EDU\_Accessibility\_Overview\_2017[a] (1).pdf  
Language: en-US Tags: 12 Pages: 1 Size: 577 KB

**Summary Report**

✓ The PDF/UA requirements checked by PAC are fulfilled.

Checkpoint	Passed	Warned	Failed
✓ PDF Syntax	18	0	0
✓ Fonts	6	0	0
✓ Content	1118	0	0
⊗ Embedded Files	0	0	0
✓ Natural Language	532	0	0
✓ Structure Elements	32	0	0
✓ Structure Tree	24	0	0
✓ Role Mapping	36	0	0
✓ Alternate Descriptions	50	0	0
✓ Metadata	6	0	0
✓ Document Settings	8	0	0

**Sponsors**

**BITV** CONSULT

**Access1** Accessible documents for everyone

**printsatz** DRUCKVORSTUFE

**SZBLIND** Schweizerischer Zentralverein für das Blindenwesen

**Report**

Title	Count
✓ PDF/UA	0
✓ Basic requirements	0
✓ ISO 32000-1	0
✓ Fonts	0
✓ Content	0
✓ Embedded Files	0
✓ Natural language	0
✓ Logical Structure	0
✓ Structure Elements	0
✓ Structure Tree	0
✓ Role mapping	0
✓ Alternative Descriptions	0
✓ Alternative text for "Figure" structure elements	0
✓ Alternative text for "Formula" structure elements	0
✓ Alternate names for form fields	0
✓ Alternative description for annotations	0
✓ Metadata and Settings	0
✓ Metadata	0
✓ XMP Metadata	0
✓ PDF/UA identifier	0
✓ Title in XMP metadata	0
✓ Document settings	0

# Phases of document generation

Design

What visual elements  
should I use for the  
document?

ent  
on

Quality  
Check



# Legal landscape



## References

Cookie Policy



What is conformance?



Q&A

