

# PDF/UA-2: Hello, friend, what's new?



Upcoming Changes to the Standards: A Look at PDF/UA-2

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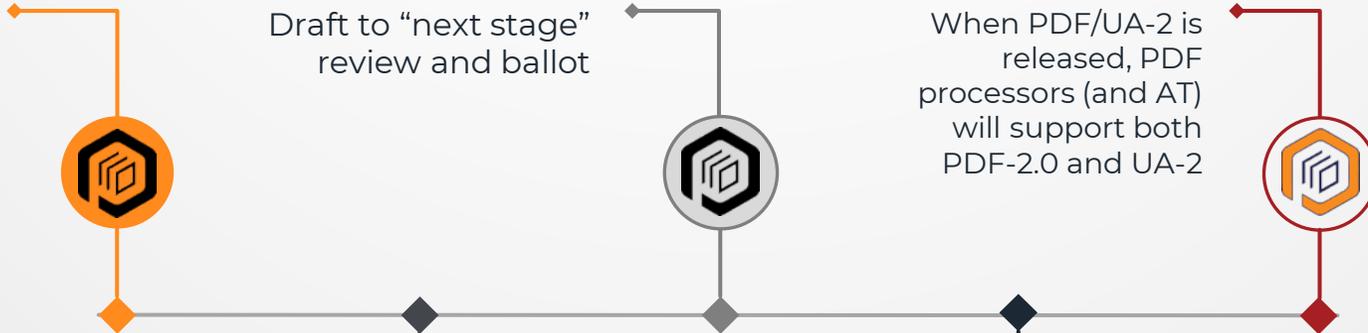
# Standards Updates



**DEC 2020**  
The latest revised revision of ISO 32000-2 (PDF 2.0) Based on ISO 32000-2, the PDF/UA standard (ISO 14289) is being updated

**Q1 2023**  
Draft to “next stage” review and ballot

**FUTURE**  
When PDF/UA-2 is released, PDF processors (and AT) will support both PDF-2.0 and UA-2



**Q2 2022**  
Hope to have a “technically finished” draft

**Q1 2024**  
Published Standard

# Why Update the Standards?



- It was needed

- ▶ Functionality improvements
- ▶ “Gaps” in the specs
- ▶ Clarification and improvements

Note: “How to do this in Acrobat” isn’t “there” yet. Once PDF/UA-2 is published then “processor” support for it will be more widely implemented.



# So, What's New?



# Some Things PDF/UA Does NOT Cover:

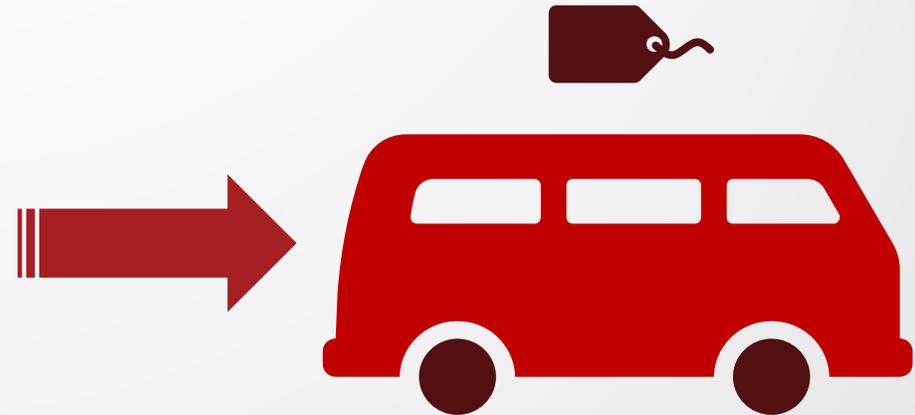


- PDF/UA does not regulate the content itself – Some Examples:
  - ▶ Color use
  - ▶ Contrast
  - ▶ ECMAScript (JavaScript) may introduce accessibility issues
  - ▶ Text content may impact those with certain cognitive impairments
  - ▶ Recommended to consult WCAG
  - ▶ Principles
    - WCAG has POUR
    - PDF/UA has RISE

# Some Tags Went Away



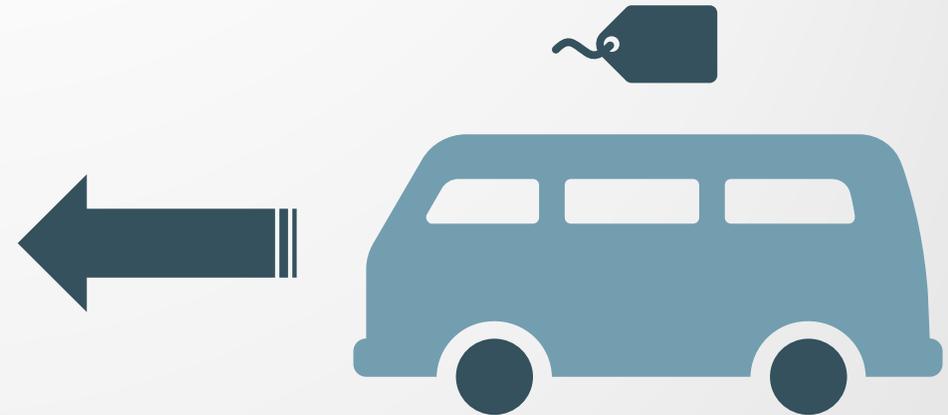
- “Not mentioned” in 32k-2 – but not deprecated – Examples:
  - ▶ Art (Article)
  - ▶ Index
  - ▶ Note (but we’ll come back to this)
  - ▶ Quote/ BlockQuote
  - ▶ There are others
- Funny story – some went away (from UA) and then came back! (TOC, TOCI, Reference...)



# Some Tags Were Added



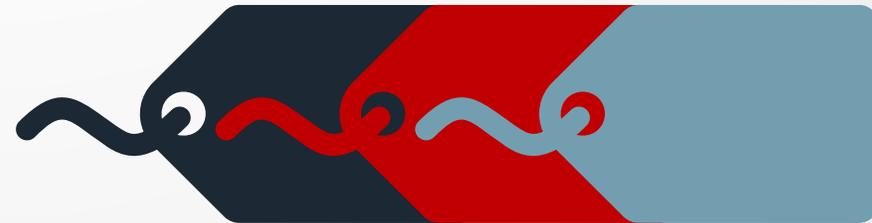
- DocumentFragment
- Title – NOT necessarily the same as in the Metadata
- FENote (replaces Note)
- Sub – Example: lines in legal docs
- Em (emphasis)
- Strong (to convey importance)
- Artifact
- Aside



# Some Tags Have Changed



- **Headings:**
  - ▶ Allowed to skip heading levels
  - ▶ H tag – Not allowed in PDF/UA-2 docs
  - ▶ H(number) - Support beyond 6
- **Figure – can contain sub-structures**
- **Uses of Lbl**
- **Caption – uses and placement**



# Is There Anything Else?



- Namespaces
- Tables – Shall be regularly shaped
- Tag with “semantic appropriateness” regardless of how the “content” was made (graphics no longer required to be in Figure tags, for example)
- Math!
- Reference tags can now contain link Annotations
- Ref entry and structure destinations
- Radio Buttons – “Contents” key
- Lists
  - ▶ Continued/ Continued From
  - ▶ ListNumbering – (new) Unordered, Description
- Aria Roles (esp. for 1.7 tags)
- Declarations – conformity to WCAG, for example

# A Final Fun Fact



A PDF cannot be both PDF/UA-1 *and* PDF/UA-2 compliant (due to some of the changes to 32000-2 and PDF/UA-2)

■ Some Examples/ Reasons:

- ▶ UA-1 points to 32000-1, UA-2 points to 32000-2
- ▶ Namespaces (not in v.1, required in v.2)
- ▶ Structure Destinations (not in v.1, required in v.2)
- ▶ Use of Figure tags for graphics (required in v.1, not in v.2)
- ▶ Use of H tag (allowed in v.1, not allowed in v.2)
- ▶ Reference tags containing (local) Annotations (in UA-2)
- ▶ ListNumbering of “None” (allowed in v.1, not allowed in v.2)

# Thanks for Coming



- Want to learn more?
- Contact us at [info@commonlook.com](mailto:info@commonlook.com)