

# **Born Accessible**

*Moving from "Should Do" to "Can Do"*

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## **Bill Kasdorf**

*Principal, Kasdorf & Associates, LLC*

*Founding Partner, Publishing Technology Partners*



*Most publications today are either **inaccessible** or **not quite accessible**.*

*So they need to be **“remediated.”***

***This shouldn’t be the case.***

**Accessibility makes publications better.**

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**It makes them easier to read and navigate.**

*Good, logical structure and reading order.*

*Ability to access on and adapt to various devices.*

*Read aloud when we need hands free  
or our eyes on the road.*

*Even easier to understand!*

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**Closed captioning.**

**Voice assistants.**



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something we take for granted.**

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**Publications should be “born accessible.”**

*No need for special workflows  
or post-publication enhancement or remediation.*

*The standard publications we make  
should be accessible from the start.*

*People needing accessible publications  
should get the same thing everybody else gets.*

**That sounds  
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Actually, most  
publishers are  
**closer than they**  
**realize!**

**Accessibility is way easier than it used to be.**

**It's based on Web standards.**

The **Open Web Platform** (OWP) is fundamental.

**WCAG** (Web Content Accessibility Guidelines) provides the foundation for accessibility.

**WAI-ARIA** (Web Accessibility Initiative Accessible Rich Internet Applications) provides semantics for assistive technology (AT).

*Almost all accessibility standards, guidelines, and requirements worldwide have **converged on WCAG** as the foundation—including US **Section 508**.*

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Accessibility is way easier than it used to be.

**The proper file formats are now ones we already use anyway.**

*The DAISY Consortium now recommends **EPUB 3** as the proper format for interchange of accessible publications.*

*EPUB 3 is based on the Open Web Platform.*

## Standard EPUB 3!

*Not a special “accessible version”:  
the same one everybody can buy,  
with markup publishers and vendors routinely use.*

**HTML 5** *is the structural semantic foundation;*

**WAI-ARIA** *augments it for web accessibility;*

**DPUB-ARIA** *adds publication-specific terms  
like “doc-chapter” and “doc-footnote.”*

***All of this is actually now fundamental to HTML.***

## Standard EPUB 3!

### **EPUB Accessibility 1.0**

*specifies EPUB features for accessibility.*

**Proper navigation and structure** so AT can find things and skip to them—or skip them.

**Accessibility metadata** describes how accessible the pub is; aligned w/schema.org.

**It doesn't sound easy to me!**

**How do I know if we're  
getting it right?**



**The BISG Guide to Accessible Publishing**  
*is the place to start, full of useful info and resources.*

**DAISY's Accessible Publishing Knowledge Base**  
*is a comprehensive, dynamic reference.*

**Benetech's DIAGRAM Center**  
*provides excellent training, examples, and resources,  
e.g., POET (image descriptions) and MathML Cloud.*

**Describing Visual Resources Toolkit**  
*focuses on image descriptions for arts & humanities.*

## How to know if you've got things right:

**Ace by DAISY** provides free, incredibly detailed, automated online or on-premise analysis of EPUBs.

**SMART\*** complements Ace by facilitating the necessary human review and generating a report.

**Benetech Global Certified Accessible Program** provides extensive analysis to certify a workflow as reliably producing good accessible EPUBs.

*\*Available to DAISY members and partners.*

**Wow! There's a lot  
going on out there!**

**Who knew?**



# Resources

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## **WCAG**

<https://www.w3.org/WAI/standards-guidelines/wcag>

## **WAI-ARIA**

<https://www.w3.org/WAI/standards-guidelines/aria/>

## **DPUB-ARIA**

<https://www.w3.org/TR/dpub-aria-1.0/>

## **SECTION 508**

<https://www.section508.gov/>

## **EPUB 3**

<https://w3c.github.io/publ-epub-revision/epub32/spec/epub-spec.html>

## **EPUB ACCESSIBILITY 1.0**

<https://www.w3.org/Submission/epub-a11y/>

## **INCLUSIVE PUBLISHING**

<https://inclusivepublishing.org/>

*(Resources continued on next page.)*



# Resources

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## **BISG GUIDE TO ACCESSIBLE PUBLISHING**

<https://bisg.org/store/ViewProduct.aspx?id=13534677>

## **DAISY'S ACCESSIBLE PUBLISHING KNOWLEDGE BASE**

<http://kb.daisy.org/publishing/>

## **BENETECH DIAGRAM CENTER**

<http://diagramcenter.org/>

## **ACE BY DAISY**

<https://inclusivepublishing.org/toolbox/accessibility-checker/>

## **SMART**

<https://inclusivepublishing.org/toolbox/ace-smart/>

## **BENETECH GLOBAL CERTIFIED ACCESSIBLE**

<https://benetech.org/our-work/born-accessible/certification/>

## **UNIVERSITY OF MICHIGAN DESCRIBING VISUAL RESOURCES TOOLKIT**

<https://describingvisualresources.org/>

**Thanks!**

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**Bill Kasdorf**

kasdorf.bill@gmail.com

<http://pubtechpartners.com>

+1 734-904-6252

@BillKasdorf