

Objectives

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By the end of the webinar, participants will:

- Understand online accessibility issues
- Know about accessibility tools for checking websites and content
- Have a starting point for creating accessible content

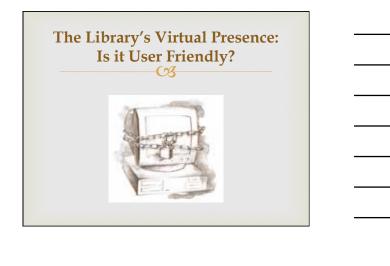


Libraries Are Friendly Places



The Library's Virtual Front Door Communication, promotion Current information, services, resources PIPL Manual France State Company Manual France State State Company Manual France State S





Poll - Where Are You Now?

How far along are efforts to make site accessible?

- Not sure; I'm not involved in website development
- Just starting to think about it
- We have a plan, but haven't started implementing yet
- · We are currently implementing
- We are done and fully compliant!

Acronyms and Terms

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- Organizations
 - WebAIM (Web Accessibility in Mind)
 - W3C (World Wide Web Consortium)
 - NCDAE (National Center on Disability and Access to Education)
- WAI (Web Accessibility Initiative)
- WCAG (Web Content Accessibility Guidelines)
- · Section 508 (law)

What is Section 508? Federally-funded organizations must comply with the law • Section 508 of the Rehabilitation Act (29 U.S.C. 794d), as amended by the Workforce Investment Act of 1998 (P.L.105-220), August 7, 1998. www.section508.gov/index.cfm?fuseAction=1998Amend

In a Nutshell When seeking information or services from a Federal department or agency, people with disabilities must have access and use of information that is comparable to that of people without disabilities

But We Aren't a Federal Agency

Many public agencies, including libraries, are choosing to be as accessible as possible to all users.

It's the right thing to do. In the United States:

- 6.4 million people have a visual disability
- 10.3 million people have a hearing disability
- 19.5 million people have a ambulatory disability.
- 13.8 million people have a cognitive disability.

Any way you look at it, millions of people in the United States have at least one disability that Section 508 is meant to address

2010 Disability Status Report: United StatesErickson, W., et al. (2012) http://digitalcommons.ilr.cornell.edu/gladnetcollect/558/



Conditions that make access to web content difficult

- · Low vision or blindness
- Hearing loss or deafness
- · Mobility issues
- · Other issues







Accessibility: Technologies + Practices CS Technologies Practices • Screen readers • Video captions • Text-to-voice • Assistive devices • A keyboard • Good web design practices • Good document design • Administrative policies • Commitment • Staff training

Elements of Accessibility

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- Many elements are the same for webpages, documents and other files.
- ✓ Learn the basic concepts; apply across all content
- ✓ Make accessibility a natural part of the workflow
- ✓ Accessibility doesn't happen by chance build it in to all online content

Required Page Elements: Alt Text

Text equivalents for images and non-text objects



Required Page Elements: Hyperlinks

Hyperlinks (meaningful text displayed)



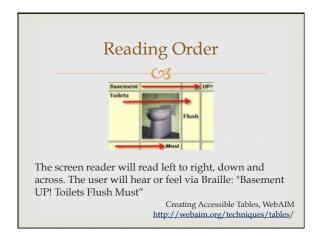


Table Formatting



- · Need row and column headers
- · No blank cells
- Logical order when navigating based on table content (left to right, top to bottom)
- In documents, use the Insert Table function rather than copying and pasting

Table Issues This table was created for visual effect: Note the visual reading path →



Required Page Elements: A Few More • Video needs to be synchronized with equivalent alternative (captioning) • Audio needs a written equivalent (transcript) NLM Director's Comments Podcasts | Comments | Decay | Dec

D	Pesign Good Forms
	<u> </u>
elements (text have labels, as	ers can complete and submit forms. Form t field, checkbox or dropdown list) all nd the label is associated to the correct using the <label> tag.</label>
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 Need coding for 	screen readers to	ignore
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More Best Practices Avoid flickering, strobing or flashing images Offer ability to skip navigation Alert users of timed responses Use client-side image maps with alt text

Testing for Accessibility

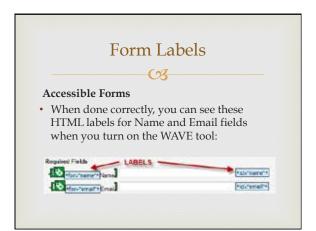
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- Web Tools
 - WAVE
 - FANGS
- · Word and PowerPoint
 - Built-in checkers in Microsoft Office software
- PDF files
 - · Accessibility tool in Adobe Acrobat Pro
- · And many more

WAVE: Web Accessibility Evaluation Tool Wave Online Tool Works in any browser http://wave.webaim.org/ Wave Toolbar Firefox add-on http://wave.webaim.org/toolbar/









What is the Difference?

Wave Toolbar

- Evaluation works on local machine only
- Evaluates the rendered version, locally displayed styles and dynamically generated content from scripts
- · Can check intranet, password protected, dynamically generated, or sensitive pages

Wave at WebAim

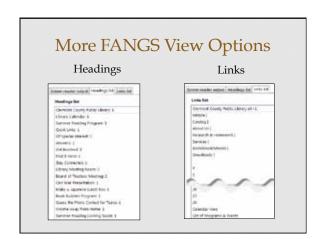
· Request goes through WebAIM server



- Provides three options:
 - · Text of a webpage just as a screen reader would read it
 - · List of headers
 - · List of links







Tips for Microsoft Word and PowerPoint

- Use built-in formatting structures, such as headers, layouts, and bullets. Screen readers rely on formatting.
- · Images need alt text
- · Hyperlinks need to be meaningful
- Almost always better to start fresh than to remediate

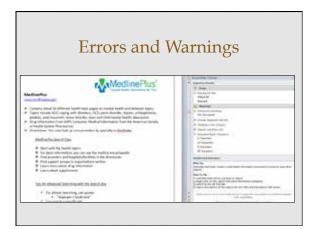
Right click the image, then Format Picture. Then click Alt Text and type in a short description. Use the shortest description possible to convey the meaning of the image.

| Text and type in a short description. Use the shortest description possible to convey the meaning of the image.

Microsoft Accessibility Checkers

- Office 2007 or later
- Files must be created as .docx or .pptx to use checker
- File menu > Check for Issues > Accessibility
- Inspection Results points to problems and gives suggestions for fixing





Techniques Unique to PowerPoint

- Start building slides using outline view
- Each slide needs a title (which can be hidden from view if necessary)
- Reading order is important
- Avoid using text boxes screen readers can't "see" the content. Use the layout and content boxes instead

PowerPoint

- Errors are mostly missing alt text and slide titles
- Warnings hyperlinks
- · Duplicate titles
- · Reading order



Reading Order Oddity More FANGS View Options Habitage Ha

508ers New Best Friends

Shortcuts can be added to Quick Access toolbar:

- ✓ Right click in Quick Access toolbar
- ✓ Choose Customize Quick Access Toolbar
- ✓ Under "Choose Commands From" look at dropdown, then choose "Commands Not in the Ribbon"
- ✓ Add Accessibility Checker, Alt Text and Selection Pane (PowerPoint) for one-click access to these important tools

PDF Files

- · Most complicated
- No guarantee that compliant document will retain compliancy when saved as PDF
- Structured docs work best
- · Requires Acrobat Pro

PDF Files Can Cause Headaches! Accessibility Report Filmonia Accessibility Report On this region is defined post Accessibility Report On this region is defined and the access of Medicane Noticed Network of Liferacies of Medicane Noticed Network of Liferacies of Medicane Noticed Report Page Constent Errors Page 1: Next Page 1. Not sharpened to the second post of the page of the pag

A Drop in the Bucket

Type in the chat box your most pressing training needs: Web accessibility?

Word?
Powerpoint?
PDFs?
Other?





Form and Function

We can have our cake and eat it too

- Commitment
- · Planning, budgeting
- Good design, implementation
- Testing, evaluation

Workarounds?



- Is text equivalent sufficient? NO
- No one wants to read pages of text.
 - Images and other objects can convey meaning and be more interesting for all users
 - Plan for equivalent experience to extent possible

Summary

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- Just because it passes the test...
- Build accessibility techniques into the workflow
- Find solutions, not workarounds
- Improving accessibility improves usability for all users.
- It's the right thing to do



