Summary

Web accessibility is always a topic in libraries. With the recent changes in Section 508, more people are starting to take notice. Section 508 is based on the Web Content Accessibility Guidelines (WCAG) and was last updated in December 2017.

If you would like a refresher or just need an overview of the WCAG, this is the place. We will go over conformance levels, how to read the Guidelines, and what applies to you (and what might not).
Objectives

By the end of the class, participants should be able to:
• Identify the conformance level needed for their library
• Discuss ways to test for accessibility issues

Accessibility Principles

• Perceivable information and user interface
• Operable user interface and navigation
• Understandable information and user interface
• Robust content and reliable interpretation

Accessibility Principles
Web Accessibility Initiative (WAI)

- Strategies, guidelines, resources to make the Web accessible to people with disabilities
- https://www.w3.org/WAI/
Tutorials & Presentations

Web Accessibility Tutorials
Guidance on how to create websites that meet WCAG

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<th>All Tutorials</th>
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**Tutorials Overview**

This collection of tutorials shows you how to develop web content that is accessible to people with disabilities, and that provides a better user experience for everyone.

The tutorials are designed to be used by a variety of individuals, including:

- **Web developers** will find guidance and boilerplate solutions for many common coding challenges.
- **Web designers** will learn how to create web page components with a built-in inclusive design.
- **Web trainers** will find examples to teach people about accessible web design and development.
- **Content authors** will learn concepts and techniques for preparing their content in an accessible way.
- **Project managers** will gain an understanding of ways to integrate accessibility into their projects.

Guidelines & Techniques

Web Accessibility Initiative (WAI) Home

- Getting Started
- Designing for Inclusion

Guidelines & Techniques

- Web Content (WCAG)
  - WCAG 2.0 technical
    - How to Meet (Quick Reference)
    - WCAG 2.0
    - Techniques
    - Understanding
    - Conformance Logos
    - Translations
  - WCAG 2.0 educational
    - The WCAG Documents
    - WCAG at a Glance
    - WCAG 2 FAQ
    - Applying to Non-Web ICT
  - Transition to 2.0
    - How 2.0 Differs from 1.0
    - Comparison of 1.0 to 2.0
    - Update Your Website
Section 508

• **Final Rule**
  • Published January 18, 2017
  • Effective March 2, 2017
  • Compliance with Section 508 January 18, 2018
  • “Safe harbor” for unaltered 508 content

• **Must you comply?**
  • Do you receive money from the federal government?
  • Are you a contractor for the federal government?
  • Has your state or city incorporated Section 508?

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Section 508

E202.2 Legacy ICT. Any component or portion of existing ICT that complies with an earlier standard issued pursuant to Section 508 of the Rehabilitation Act of 1973, as amended (as republished in Appendix D), and that has not been altered on or after January 18, 2018, shall not be required to be modified to conform to the Revised 508 Standards.

E202.4 Federal Contracts. ICT acquired by a contractor incidental to a contract shall not be required to conform to the Revised 508 Standards.
Section 508

E203.1 General. Agencies shall ensure that all functionality of ICT is accessible to and usable by individuals with disabilities, either directly or by supporting the use of assistive technology, and shall comply with E203.

E205.2 Public Facing. Electronic content that is public facing shall conform to the accessibility requirements specified in E205.4.

Section 508

EXCEPTION: Records maintained by the National Archives and Records Administration (NARA) pursuant to Federal recordkeeping statutes shall not be required to conform to the Revised 508 Standards unless public facing.

E205.4 Accessibility Standard. Electronic content shall conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).
### WCAG 2.0 & Section 508 Comparison

<table>
<thead>
<tr>
<th>Proposed (WCAG 2.0 Success Criteria [Level])</th>
<th>Existing 508 Corresponding Provision</th>
<th>Summary</th>
<th>What would Change</th>
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<tr>
<td>1.1.1 Non-text Content [A]</td>
<td>1194.22(a)</td>
<td>Provides text alternatives of images and other non-text content, including user interface components</td>
<td>Substantially Equivalent</td>
<td>Proposed standard provides additional detail for 8 common categories of non-text content.</td>
</tr>
<tr>
<td>1.2.1 Prerecorded Audio-only and Video-only [A]</td>
<td>1194.22(a)</td>
<td>Provides that prerecorded audio is available in a visible format and that silent animations are available in an audible format</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Web Accessibility Evaluation Tools List

Web accessibility evaluation tools are software programs or online services that help you determine if web content meets accessibility guidelines. This page provides a list of evaluation tools that you can filter to find ones that match your particular needs. To determine what kind of tool you need and how they are able to assist you, see Selecting Web Accessibility Evaluation Tools.

Information on this page is provided by vendors and others. W3C does not endorse specific products. See Important Disclaimer.

#### Filters:

- WCAG 2.0 — W3C Web Content Accessibility Guidelines 2.0 (57 tools)
- WCAG 1.0 — W3C Web Content Accessibility Guidelines 1.0 (19 tools)
- BITV, German government standard (2 tools)
- RGAA, French government standard (8 tools)
- JIP, Japanama Industry

**508 Checker by Formstack**

With 508checker.com you can quickly check a webpage for 508 compliance and learn more about how to become 508 compliant across your entire organization.


> Detailed information about “508 Checker”

**A-Tester by Evaluera Ltd**

A-Tester checks the pre-enhanced version of a web page designed with progressive enhancement against Evaluera’s "WCAG 2.0 Level AA".
Tools

• Browser extensions
  • “Accessibility”
  • Axe
  • Siteimprove
  • Tenon
  • WAVE

• Installation
  • Color Oracle
  • SortSite
  • DynoMapper Website Accessibility Tool

• Website
  • Colorblind Web Page Filter
  • Contrast Checker
  • DynoMapper (site maps)
  • Readability Grader
  • AChecker
Moving Toward WCAG 2.0

- Retrofit current website
- Make accessibility part of on-going development

Evaluating Accessibility

- Identify conformance level
- Updating from WCAG 1.0 or from scratch
- Prioritize page updates:
  - Most important/frequently-used pages
  - Key tasks
  - Reported accessibility issues
  - Content in development
  - High-impact & low effort fixes
Be Accessible!

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