

# Welcome!

## Section 508 Best Practices Webinar Series

- The session is scheduled to begin at 1:00pm Eastern Time.
- We will be testing sound quality periodically.
- Audio and visuals are provided through the on-line webinar system. This session is closed captioned. Individuals may also listen via telephone by dialing:  
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1

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- The audio for today's webinar is being broadcast through your computer. Please make sure your speakers are turned on or your headphones are plugged in.
- You can control the audio broadcast via the Audio & Video panel. You can adjust the sound by "sliding" the sound bar left or right.
- If you are having sound quality problems check your audio controls by going through the Audio Wizard which is accessed by selecting the microphone icon on the Audio & Video panel.



2



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3



## Listening to the Webinar by Mobile

iPhone, iPad, or Android (including Kindle Fire HD)):

- Individuals may listen\*\* to the session using the Blackboard Collaborate Mobile App (available free from the Apple Store, Google Play or Amazon).



\*\* Blackboard Collaborate Mobile App does not display Closed Captioning, has limited accessibility for screen reader and Voiceover users, and will not show the “Web Tour” portion of today’s program.

4



## Captioning

- Real-time captioning is provided during this webinar.
- The caption screen can be accessed by choosing the “CC” icon in the Audio & Video panel.



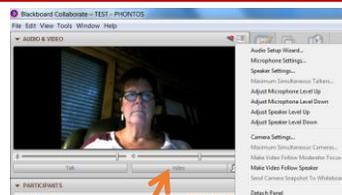
- Once selected you will have the option to resize the captioning window, change the font size and save the transcript.

5



## Sign Language Interpreter

- Video sign language interpreter is available for this session.
- To access the sign language Choose “Video” from the Audio and Video Panel. This will open a video window.
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Select Video

6



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- You may type and submit questions in the Chat Area Text Box or press Control-M and enter text in the Chat Area.
- If you are connected via a mobile device, you may submit questions in the chat area within the App.
- If you are listening by phone and not logged in to the webinar, you may ask questions by emailing them to: [info@adaconferences.org](mailto:info@adaconferences.org)
- Please note: This webinar is being recorded and can be accessed on the Section 508 Best Practice Webinar Series website at [www.adaconferences.org/CIOC](http://www.adaconferences.org/CIOC) within 24 hours after the conclusion of the session.



7



## Web Tour

- During today's session we will be switching from the static PowerPoint slides to dynamic web pages. This content will be shown on the Blackboard platform.
- If you are viewing the session via the Blackboard platform, direct your focus to the white board where you will be able to see the content as we take the web tour. This content will be accessible to someone using Assistive Technology as well.
- If you are listening to the presentation via telephone and are not logged into the Blackboard webinar platform you may follow along by clicking on the HTML links for the web tour which were provided as one of the handouts for today's webinar.
- If you are listening/watching via a mobile device you will not be able to follow the web tour as it is not compatible with the mobile version. We suggest that you follow along by clicking on the HTML links for the web tour which were provided as one of the handouts for today's webinar.

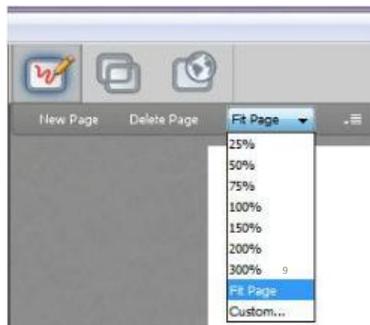
8



## Customize Your View

Resize the whiteboard where the presentation slides are shown to make it smaller or larger, by choosing from the drop down menu located above and to the left of the whiteboard.

The default is “fit page”.



9



## Customize Your View, *continued*

- Resize/Reposition the Chat, Participant and Audio & Video panels by “detaching” and using your mouse to reposition or “stretch/shrink”.
- Each panel may be detached using the  icon in the upper right corner of each panel.

10



## Technical Assistance

If you experience any technical difficulties during the webinar:

- Send a private chat message to the host by double clicking “Great Lakes ADA” in the participant list. A tab titled “Great Lakes ADA” will appear in the chat panel. Type your comment in the text box and “enter” (Keyboard - F6, Arrow up or down to locate “Great Lakes ADA” and select to send a message ); or
- Email: [info@adaconferences.org](mailto:info@adaconferences.org); or
- Call: 877-232-1990 (V/TTY, toll free)

11

## Welcome

This webinar is part of a series showcasing “Best Practices in Federal Section 508 Implementation”. Other presentations can be viewed at:

- [www.adaconferences.org/CIOC/archives](http://www.adaconferences.org/CIOC/archives) and
- [www.fedlink.org/allqual/resource-shared-webinars.cfm](http://www.fedlink.org/allqual/resource-shared-webinars.cfm)
- A best practice is a policy, process, procedure or technique proven effective over time and repeatable by multiple agencies.
- A best practice is generalized so that diverse agencies may use it in their own organizations but specific enough to provide useful guidance and instruction.
- The CIO Council’s Accessibility Community of Practice has published a library of 508 Best Practices at [www.Section508.gov](http://www.Section508.gov).

12

## Section 508 Best Practices Webinars

Webinars are bi-monthly:

- January, March, May, July, September, November

Next Webinar: January 30, 2018

- Topic: Revised 508 Standards
- Time: 1:00 to 2:30 p.m. Eastern

This webinar series is a collaborative program between the Accessibility Community of Practice of the CIO Council and The U.S. Access Board.

13

This webinar is brought to you by:



[cio.gov](http://cio.gov)



[access-board.gov](http://access-board.gov)

14

# W3C WCAG 2.0 Resources

Bruce Bailey, IT Accessibility Specialist

Judy Brewer, Director of the Web Accessibility Initiative (WAI)  
at the World Wide Web Consortium (W3C)

November 28, 2017

15

## This Webinar is Sixth in a Series

Introduction and overview of the Revised Standards:

- Section 508 Refresh — ICT Final Standards and Guidelines (2017)  
[January 31, 2017 - program 110610](#)

Discussion of the new requirements for documents and websites:

- WCAG 2.0 and the Revised Section 508 Standards  
[March 28, 2017 - program 110612](#)

Overall comparison, with a focus on application and scoping:

- Old versus New: Original Section 508 Standards (2000) compared to the Revised Section 508 Standards (2017)  
[May 30, 2017 - program 110613](#)

Overview of hardware requirements, with comparison to original 508 Standards:

- Revised Section 508 Chapter 4 Hardware (including Mobile)  
[July 25, 2017 - program 110614](#)

Overview of software requirements, with comparison to original 508 Standards:

- Revised Section 508 Chapter 5 Software (including Mobile)  
[September 26, 2017 - program 110615](#)

16

## Agenda

Today's webinar focuses on WCAG 2.0 Level AA, and will review the robust technical assistance supporting use of the success criteria and conformance requirements provided by the W3C (World Wide Web Consortium) Web Accessibility Initiative (WAI)

- Overview of the Revised 508 Standards and how WCAG 2.0 is incorporated by reference
- Overview of WCAG 2.0 Success Criteria Level A and AA, and associated W3C technical assistance
- Additional implementation resources available from W3C WAI

17

## Overview of the Revised 508 Standards

Revised Standards are organized by function, not product type.

Revised Standards make reference to external industry consensus standards as needed.

Formatting of Revised Standards borrows from industry consensus standards.

- Seven chapters, Chapter 5 is Software
- Sections in each chapter use title and a three digit identifier
  - E.g., 502 Interoperability with Assistive Technology

18

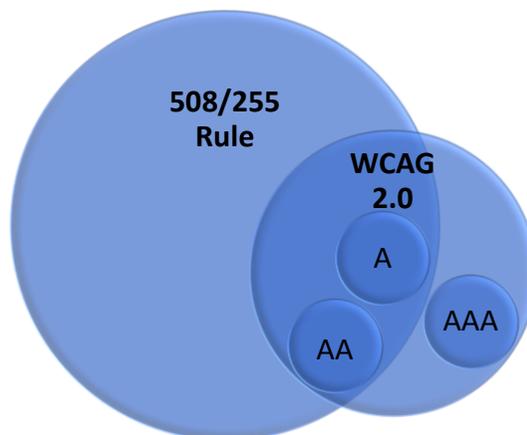
## Broad Application of WCAG 2.0

WCAG 2.0 Level A and AA Success Criteria and Conformance Requirements applied to:

- Web content (e.g. online instructional materials)
- Covered non-Web documents (e.g. instructional materials)
- Software user interfaces (e.g. learning management systems)

19

## WCAG 2.0 Incorporation By Reference (IBR)



20

## WCAG 2.0 Incorporation By Reference

Revised 508 Standards citations to WCAG 2.0:

- 508 Chapter 2
  - E205.4 Accessibility Standard (under E205 Electronic Content)
  - E207.2 WCAG Conformance (under E207 Software)
- Chapter 5: Software
  - 504 Authoring Tools
- Chapter 6: Support Documentation and Services
  - 602.3 Electronic Support Documentation

21

## Intertwined History between WCAG and 508

- Web Content Accessibility Guidelines 1.0 (May, 1999)
- Original 508 Standards note at 1194.22 describes corresponding WCAG 1.0 Checkpoints (December, 2000)
- Original 508 Standards 1194.21 influence development of WCAG 2.0
- Access Board's TEITAC Report (April 2008) recommends using WCAG 2.0
- WCAG 1.0 was superseded in 2008 by WCAG 2.0 (December 2008)
  - Which is what we are talking about today!
- ICT Refresh referred to WCAG 2.0 throughout the process:
  - ANPRM (2010), ANPRM (2011), NPRM (2015)
- Revised 508 Standards (2017) – Incorporate WCAG 2.0 by Reference

22

## W3C, WAI and WCAG 2.0

- Judy Brewer
- Director of the Web Accessibility Initiative (WAI) at the World Wide Web Consortium (W3C)



## WCAG 2.0: An International Standard

[World Wide Web Consortium](#) (W3C) Web for All mission

[Web Accessibility Initiative](#) (WAI) guidelines and standards

WCAG 2.0 background and development

- Represents an international, multi-stakeholder consensus
- Adopted or referenced by many countries and organizations
- Also endorsed by International Standards Organization (ISO)
- One of three complementary W3C WAI guidelines
- Why standards harmonization advances accessibility

24

## Getting Started Using WCAG 2.0

Start with the [WCAG 2.0 Overview](#)

- The full standard is [Web Content Accessibility Guidelines \(WCAG\) 2.0](#)

WCAG 2.0 [layers of guidance](#):

- principles, guidelines, success criteria, techniques
- Each success criterion has contextual links for “Understanding” and “How to Meet”

Conformance [requirements and claims](#)

- [More on conformance](#) from “Understanding WCAG 2.0”

25

## Understanding WCAG 2.0

What else “[Understanding WCAG 2.0](#)” can tell you about success criteria:

- intent
- examples
- related resources
- techniques and failures
- key terms

26

# Techniques for WCAG 2.0

## [Techniques for WCAG 2.0](#)

- Check for “latest version” link
- Very large volume of technical implementation resources
- Updated periodically
- Success criteria are “technology agnostic”
- Techniques are technology-specific
  - General, HTML, CSS, scripting, SMIL, text, ARIA, etc.
  - Info, applicability, description, examples, related techniques, tests
  - Why “failures” are important

Developers’ view of WCAG techniques is better to work from!

- [How to meet WCAG 2.0](#) (also known as “WCAG 2.0 Quickref”)

27

# Digging into Developers’ view of WCAG 2.0

Using [How to meet WCAG 2.0](#)

- Redesigned for better discoverability and customization
- Show “About, How to Use, Preferences”
- [Search table of contents by success criteria](#)
- [Search filters by selectable tags](#)

28

## “How to Meet” View of Techniques

Let’s look at a few techniques:

- [1.2.3. Audio Description or Media Alternative \(Prerecorded\)](#)
  - Level, Understanding, “Show techniques and failures”
- [2.2.1. Timing Adjustable](#)
  - “Show full description”; Notes; Situation A, B
- [3.3.2. Labels or Instructions](#)
  - Sufficient, advisory, failure techniques
- [4.1.2. Name, Role, Value](#)
  - Bugs, new techniques, commenting

Selected filters, clear filters

29

## Related Implementation Resources

- [Finding your WAI to new resources](#)
- [Annotated list of WAI resources](#)
- [Tutorials](#)
- [Perspectives videos](#)
- [Tips for Getting Started](#)
- [Evaluation Tools](#)
- Revisit [WAI website](#) for new information
- How WAI resources are developed
- Thanks to support from [HHS NIDILRR](#) and [Access Board](#)

30

# Resources, Questions and Contact Information

31

## .gov Resources

[www.access-board.gov](http://www.access-board.gov) — Section 508 Standards and Section 255 Guidelines, technical assistance:

- ICT Final rule (2017)
- Webinars – Section 508 Best Practices
- [www.access-board.gov/wcag2-508](http://www.access-board.gov/wcag2-508)
- More guidance material under development

[www.section508.gov](http://www.section508.gov)

- GSA Government-wide Section 508 Accessibility Program

32

## Questions

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33

## Contact Information

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- `Wai AT w3.org`

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- 800-872-2253 (voice)
- 800-993-2822 (TTY)

34