VPAT Training

Module 4: Section 508
Modules

Module 1: Introduction
Module 2: Preparing to write the ACR
Module 3: WCAG
**Module 4: Section 508**
Module 5: EN 301 549
Module 6: What makes a good ACR?
Module 7: Your ACR is filled out…What’s next?
Module 8: ACR readers and evaluators
Goals of module 4

• Review the Section 508 criteria
• Show how they apply to hardware, software, documentation and support services
• Show the sections of the VPAT that cover the criteria
What is Section 508

• Section 508 of the Rehabilitation Act of 1973
• A procurement rule for Federal Agency (or anyone receiving federal funds)
• Requires electronic and information technology (EIT) to be accessible
• Must give employees with disabilities and members of the public access to information comparable to the access available to others
• U.S. Access Board is responsible for the standard
• Revised Section 508 (2017) combines Section 508 Standards and Section 255 Guidelines

Revised Section 508 requirements at:
https://www.access-board.gov/ict/
Revised Section 508

1194.1 -- Standards for Section 508 of the Rehabilitation Act

• Chapter 1: Application and Administration
• Chapter 2: Scoping Requirements
• Chapter 3: Functional Performance Criteria
• Chapter 4: Hardware
• Chapter 5: Software
• Chapter 6: Support Documentation and Services
• Chapter 7: Referenced Standards

Criteria numbers align with chapter numbers
• Chapter 3 = 301, 302...
Determine what your product is

Review what your product includes

• Documentation
• Support Services
• Hardware
• Software
• Third party products included in your products
Which Criteria Apply When

Based on what your product is/includes, determine which criteria apply

Some criteria apply...

• EVERY time
  • Chapter 6: Support Documentation and Services
• To ALL hardware
  • 403, 404, 405, 406, 408, 410, 411
• To ALL software
  • 501 General
• ONLY in specific situations
  • Non-web
  • Authoring Tools
  • Multimedia
  • Platform Software
  • Product is an Assistive Technology
Criteria that apply every time

Hardware, software, and web-based products all have:

• 602 Support Documentation
  • 602.2 Accessibility and Compatibility Features
  • 602.3 Electronic Support Documentation (complete WCAG section)
  • 602.4 Alternate Formats for Non-Electronic Support Documentation
• 603 Support Services
  • 603.2 Information on Accessibility and Compatibility Features
  • 603.3 Accommodation of Communication Needs

Reminder: WCAG is not just for web
Criteria that apply to ALL hardware

- 403 Biometrics
- 404 Preservation of Information Provided for Accessibility
- 405 Privacy
- 406 Standard Connections
- 408 Display Screens
- 410 Color Coding
- 411 Audible Signals
Criteria that apply to SOME hardware

- 402 Closed Functionality
- 407 Operable Parts
- 409 Status Indicators
- 412 ICT with Two-Way Voice Communication
- 413 Closed Caption Processing Technologies
- 414 Audio Description Processing Technologies
- 415 User Controls for Captions and Audio Descriptions
## Section 508 hardware criteria summary

<table>
<thead>
<tr>
<th>Hardware Criteria</th>
<th>Closed Product</th>
<th>Back Office</th>
<th>2-Way Communication</th>
<th>Audio Video</th>
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<tbody>
<tr>
<td>402 Closed Functionality</td>
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<tr>
<td>405 Privacy</td>
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<td>X</td>
<td>X</td>
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<td>406 Standard Connections</td>
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<td>X</td>
</tr>
</tbody>
</table>
Section 508 criteria hardware exceptions

Assistive Technology (AT)
- Screen readers
- Screen magnification

Devices for personal use
- Calculators
- Some medical devices
Criteria that apply to ALL software

501 General
• You must complete WCAG no matter the type of software
  • W3C has the document Applying to Non-Web ICT that contains details for applying WCAG to non-web software
  • The following do not apply:
    • 2.4.1 Bypass Blocks
    • 2.4.5 Multiple Ways
    • 3.2.3 Consistent Navigation
    • 3.2.4 Consistent Identification

Revised 508 compliance
• WCAG 2.0 Level AA is required
• Going beyond is optional
Criteria that apply to SOME software

Buckets of additional criteria for:
- Non-web
- Authoring Tools
- Multimedia
- Platform Software
- Product is an Assistive Technology

These are criteria *in addition to* WCAG.
Non-web software

Applies to:
- Non-web Software
- Command Line
- Native Mobile
- 502.2.2 No Disruption of Accessibility Features
- 502.3.x Accessibility Services (14 items)
- 503.2 User Preferences
Multimedia

• 503.4.1 Caption Controls
• 503.4.2 Audio Description Controls
Authoring tools

- 504.2.1 Preservation of Information Provided for Accessibility in Format Conversion
- 504.2.2 PDF Export
- 504.3 Prompts
- 504.4 Templates
Do Section 508 Authoring Accessibility Requirements Apply?

1. **Is it software?**
   - **Yes:** Software must support exporting PDF files that conform to ISO 32000-1:2008 (PDF 1.7)
   - **No:** Does the software provide templates?

2. **Does software provide templates?**
   - **Yes:** Templates must meet WCAG 2.0 Level A, AA 504.4
   - **No:** Can changes in the software be viewed by others or shared?

3. **Can changes in the software be viewed by others or shared?**
   - **Yes:** Does it create, edit, modify content? (in menu options: save, save as, export to)
   - **No:** Does software support exporting from one file format to another?

4. **Does software support exporting from one file format to another?**
   - **Yes:** Software must support preserving the information required for accessibility when saving from one format to another 504.2.1
   - **No:** Does content format support information required for accessibility. (text for images, structure, non visual information)

5. **Does content format support information required for accessibility?**
   - **Yes:** Does it software create, edit, modify content? (in menu options: save, save as, export to)
   - **No:** Does Software need to provide a mode that supports editing or creation of content that meets WCAG 2.0 Level A, AA 504.2

6. **Does Software need to provide a mode that supports editing or creation of content that meets WCAG 2.0 Level A, AA 504.2?**
   - **Yes:** Software can only save/export to txt, jpg, gif, png, or any image format (excluding PDF)
   - **No:** Does Software support exporting PDF files that conform to ANSI/AIIM/ISO 14289-1:2016 (PDF/UA-1) 504.3

7. **Does Software support exporting PDF files that conform to ANSI/AIIM/ISO 14289-1:2016 (PDF/UA-1) 504.3?**
   - **Yes:** No Authoring Tool Accessibility Requirements Apply
   - **No:** Does Software only for authoring or editing plain text source code.

8. **Does Software only for authoring or editing plain text source code.**
   - **Yes:** Can changes in the software be viewed by others or shared?
   - **No:** Does Software can only save/export to txt, jpg, gif, png, or any image format (excluding PDF)

9. **Does Software can only save/export to txt, jpg, gif, png, or any image format (excluding PDF)?**
   - **Yes:** Does it software create, edit, modify content? (in menu options: save, save as, export to)
   - **No:** Does Software only for authoring or editing plain text source code.
Platform

• 502.2.x Interoperability with AT (2 items)
• 502.3.x Accessibility Services (14 items)
• 502.4 Platform Accessibility Features
• 503.2 User Preferences
Assistive Technology

• 503.3 Alternative User Interfaces
Criteria that apply sometimes

302 Functional Performance Criteria (FPC)
  302.1 Without Vision
  302.2 With Limited Vision
  302.3 Without Perception of Color
  302.4 Without Hearing
  302.5 With Limited Hearing
  302.6 Without Speech
  302.7 With Limited Manipulation
  302.8 With Limited Reach and Strength
  302.9 With Limited Language, Cognitive, and Learning Abilities
## Section 508 Software Criteria Summary

<table>
<thead>
<tr>
<th>Software Criteria</th>
<th>Web UI</th>
<th>Web Docs</th>
<th>Non-web Docs</th>
<th>Non-Web UI</th>
<th>Authoring Tool</th>
<th>Multimedia</th>
<th>Platform</th>
<th>AT</th>
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<tbody>
<tr>
<td>501.1 Scope – Incorporation of WCAG 2.0 AA</td>
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<td>502.2.1 User Control of Accessibility Features</td>
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<td>502.2.2 No Disruption of Accessibility Features</td>
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<tr>
<td>502.3.x Accessibility Services (14 items)</td>
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<td>502.4 Platform Accessibility Features</td>
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<td>503.2 User Preferences</td>
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Applicable standards for 508 edition VPAT

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standards/guidelines:

<table>
<thead>
<tr>
<th>Standard/Guideline</th>
<th>Included In Report</th>
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<tbody>
<tr>
<td>Web Content Accessibility Guidelines 2.0</td>
<td>Level A (Yes)</td>
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<td>Level AA (Yes)</td>
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<td>Level AAA (No)</td>
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<td>Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018</td>
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### VPAT entry for Section 508 – WCAG criteria

#### Table 1: Success Criteria, Level A

<table>
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<th>Criteria</th>
<th>Conformance Level</th>
<th>Remarks and Explanations</th>
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<tbody>
<tr>
<td><strong>1.1.1 Non-text Content</strong> (Level A)</td>
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<tr>
<td>Also applies to:</td>
<td>Web:</td>
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</tr>
<tr>
<td>Revised Section 508</td>
<td>Electronic Docs:</td>
<td>Electronic Docs:</td>
</tr>
<tr>
<td>• 501 (Web)(Software)</td>
<td>Software:</td>
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</tr>
<tr>
<td>• 504.2 (Authoring Tool)</td>
<td>Authoring Tool:</td>
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<tr>
<td>• 602.3 (Support Docs)</td>
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</tbody>
</table>

| **1.2.1 Audio-only and Video-only (Prerecorded)** (Level A) | | |
| Also applies to: | Web: | Web: |
| Revised Section 508 | Electronic Docs: | Electronic Docs: |
| • 501 (Web)(Software) | Software: | Software: |
| • 504.2 (Authoring Tool) | Authoring Tool: | Authoring Tool: |
| • 602.3 (Support Docs) | | |

| **1.2.2 Captions (Prerecorded)** (Level A) | | |
| Also applies to: | Web: | Web: |
| Revised Section 508 | Electronic Docs: | Electronic Docs: |
| • 501 (Web)(Software) | Software: | Software: |
| • 504.2 (Authoring Tool) | Authoring Tool: | Authoring Tool: |
| • 602.3 (Support Docs) | | |
VPAT entry for Section 508 – inapplicable criteria

<table>
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<td>3.2.3</td>
<td>Consistent Navigation (Level AA)</td>
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<td>501 (Web)(Software) – Does not apply to non-web software</td>
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<tr>
<td></td>
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<td>602.3 (Support Docs) – Does not apply to non-web docs</td>
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<td>3.2.4</td>
<td>Consistent Identification (Level AA)</td>
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<td>3.3.3</td>
<td>Error Suggestion (Level AA)</td>
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Review

Determine what your product is
Remember that no matter what the product:
• Some criteria apply ALL the time
  • Chapter 6: Support Documentation and Services
• Some criteria apply to all software
  • 501 General
• Some criteria apply to all hardware
  • 403 Biometrics
  • 404 Preservation of Information Provided for Accessibility
  • 405 Privacy
  • 406 Standard Connections
  • 408 Display Screens
  • 410 Color Coding
  • 411 Audible Signals
• The rest is a mix based on the product
Resources

VPAT Files
• https://www.itic.org/policy/accessibility/vpat

How to meet WCAG 2.1
• https://www.w3.org/WAI/WCAG21/quickref/?versions=2.1

WCAG2ICT Overview
• https://www.w3.org/WAI/standards-guidelines/wcag/non-web-ict/
Questions or feedback?

info@itic.org

Telephone: +1-202-737-8888
Thank you for the contributions