



**ITI**

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# VPAT Training

## Module 4: Section 508

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# 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

Hardware Criteria	Closed Product	Back Office	2-Way Communication	Audio Video
402 Closed Functionality	X		Sometimes	
403 Biometrics	X	X	X	X
404 Preservation of Information Provided for Accessibility	X	X	X	X
405 Privacy	X	X	X	X
406 Standard Connections	X	X	X	X
407 Operable Parts	X		X	X
408 Display Screens	X	X	X	X
409 Status Indicators	X		X	X
410 Color Coding	X	X	X	X
411 Audible Signals	X	X	X	X
412 ICT with Two-Way Voice Communications	X		Sometimes	
413 Closed Caption Processing Technologies				X
414 Audio Description Processing Technologies				X
415 User Controls for Captions and Audio Descriptions				X

# 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

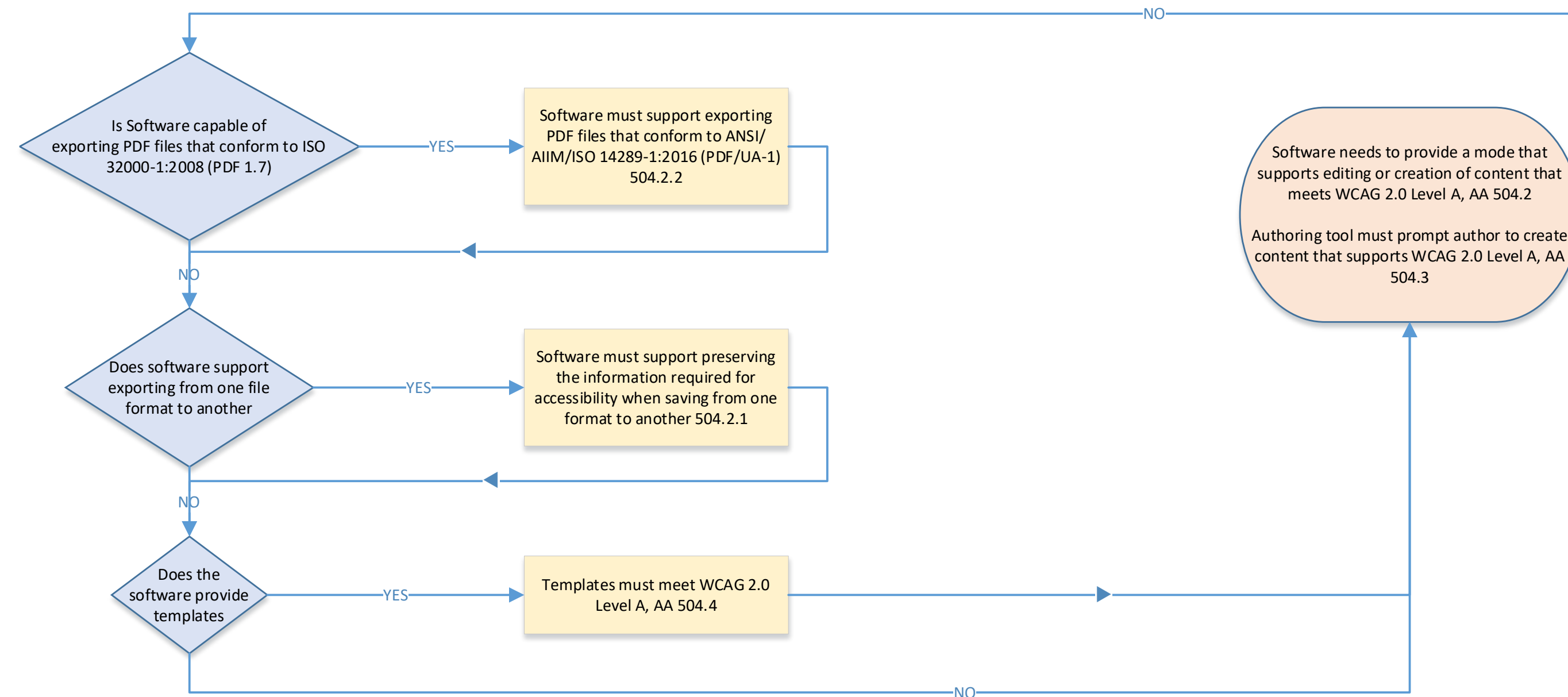
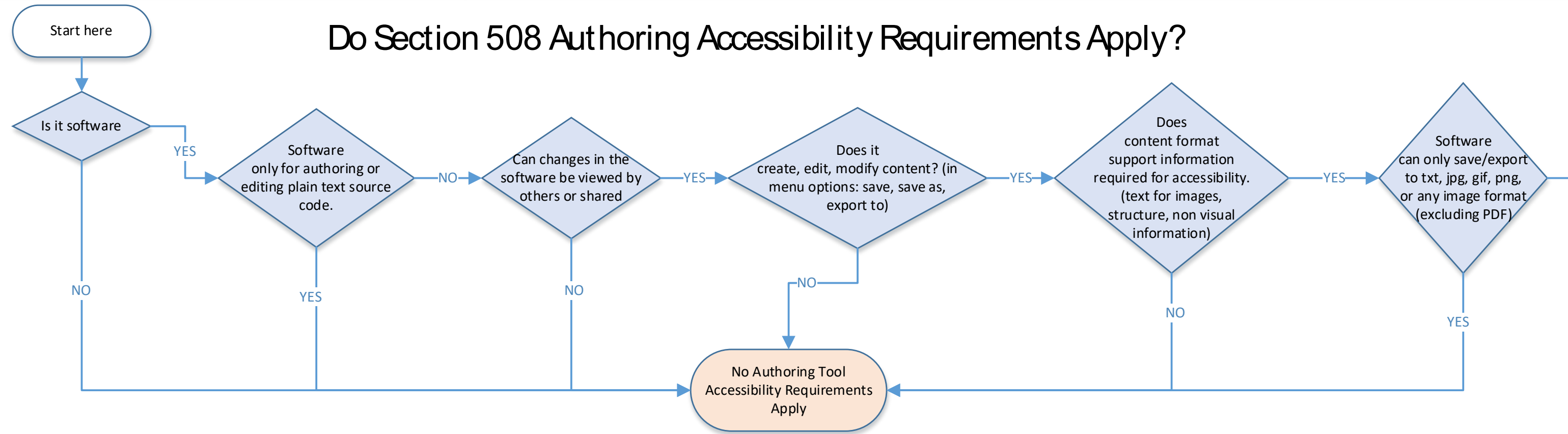
- 503.4.1 Caption Controls
- 503.4.2 Audio Description Controls



# 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?



# 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

Software Criteria	Web UI Web Docs Non-web Docs	Non-Web UI CLI Native Mobile	Authoring Tool	Multimedia	Platform	AT
501.1 Scope – Incorporation of WCAG 2.0 AA	X	X	X	X	X	X
502.2.1 User Control of Accessibility Features					X	
502.2.2 No Disruption of Accessibility Features		X			X	
502.3.x Accessibility Services (14 items)		X			X	
502.4 Platform Accessibility Features					X	
503.2 User Preferences		X			X	
503.3 Alternative User Interfaces						X
503.4 User Controls for Captions and Audio Description				X		
504 Authoring Tools			X			

# Applicable standards for 508 edition VPAT

## Applicable Standards/Guidelines

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

Standard/Guideline	Included In Report
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A (Yes) Level AA (Yes) Level AAA (No)
<a href="#">Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018</a>	(Yes)

# VPAT entry for Section 508 – WCAG criteria

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><b><u>1.1.1 Non-text Content</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>
<p><b><u>1.2.1 Audio-only and Video-only (Prerecorded)</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>
<p><b><u>1.2.2 Captions (Prerecorded)</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>	<p>Web: Electronic Docs: Software: Authoring Tool:</p>



# VPAT entry for Section 508 – inapplicable criteria

<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		
<p><b><u>3.2.3 Consistent Navigation</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software) – Does not apply to non-web software</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<p>Web: Electronic Docs: Authoring Tool:</p>	<p>Web: Electronic Docs: Authoring Tool:</p>
<p><b><u>3.2.4 Consistent Identification</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software) – Does not apply to non-web software</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<p>Web: Electronic Docs: Authoring Tool:</p>	<p>Web: Electronic Docs: Authoring Tool:</p>
<p><b><u>3.3.3 Error Suggestion</u></b> (Level AA)</p>	<p>Web:</p>	<p>Web:</p>

# 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?

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# Thank you for the contributions

