

# **Ansys Accessibility Conformance Report**

## **Revised Section 508 Edition**

(Based on VPAT® Version 2.4)

**Name of Product/Version: Ansys Electronics Enterprise 2021 R2**

**Report Date: September 2021**

**Product Description: Engineering Simulation Software**

**Contact Information: [vp@ansys.com](mailto:vp@ansys.com)**

**Notes:** This document evaluates conformance for software only.

**Evaluation Methods Used:** Testing was conducted based upon general knowledge of Ansys employees familiar with the product, who used assistive technologies to complete this report.

### **Applicable Standards/Guidelines**

This report covers the degree of conformance for the following accessibility standard/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)

## Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

## WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

**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)            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>Software: Partially Supports</p>	<p>All icons in Electronics Enterprise products have text alternatives. Components in the design area also have text alternatives. Progress bars can be expanded to show text percentages. Reports and plots can be outputted in text formats.</p> <p>In Electronics Desktop, Field Overlays rely on images.</p>
<p><b><u>1.2.1 Audio-only and Video-only (Prerecorded)</u></b> (Level A)            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>Software: Supports</p>	<p>There are no audio-only or video-only components in Electronics Enterprise products.</p>
<p><b><u>1.2.2 Captions (Prerecorded)</u></b> (Level A)            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>Software: Supports</p>	<p>There is no prerecorded video content in Electronics Enterprise products.</p>
<p><b><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u></b> (Level A)            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>Software: Supports</p>	<p>There is no time-based media in Electronics Enterprise products.</p>
<p><b><u>1.3.1 Info and Relationships</u></b> (Level A)            Also applies to:            Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> </ul>	<p>Software: Partially Supports</p>	<p>Hierarchical information in Electronics Enterprise products (for example, Electronics Desktop’s Project Manager and History trees) is preserved when a screen reader is used. However, some exported .txt files (such</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		as Q, L, R, X from Touchstone extraction or SIwave simulation profiles) present tabular information using only spaces to differentiate values. The structure of the table cannot be correctly interpreted by a screen reader in this format.
<p><b>1.3.2 Meaningful Sequence</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>	Software: Supports	None of the content in Electronics Enterprise products is sequential.
<p><b>1.3.3 Sensory Characteristics</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>	Software: Partially Supports	In Electronics Desktop, some field overlay information (such as the Vector E Field and Heat Flow) are presented using only shape and color. In SIwave, the only way to apply fill/unfill to a layer is by clicking a colorful box in the Layers window. Hovering over these boxes does not provide more information.
<p><b>1.4.1 Use of Color</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>	Software: Partially Supports	In Electronics Desktop, some field overlay information (such as Mag_E and Temperature) are presented using only color.
<p><b>1.4.2 Audio Control</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>	Software: Supports	There is no audio that automatically plays in Electronics Enterprise products.
<p><b>2.1.1 Keyboard</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> </ul>	Software: Does Not Support	Electronics Enterprise products cannot be operated using only a keyboard.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		
<p><b><u>2.1.2 No Keyboard Trap</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>	Software: Does Not Support	In Electronics Enterprise products, users cannot navigate from one window (Project Manager, Messages, Properties, etc.) to another using tab and arrow keys, nor is any other method of doing so outlined by the software.
<p><b><u>2.2.1 Timing Adjustable</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>	Software: Supports	There are no time limits in Electronics Enterprise products.
<p><b><u>2.2.2 Pause, Stop, Hide</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>	Software: Supports	All automatically updating content in Electronics Enterprise products can be hidden (for example, Electronics Desktop’s Messages window and Real Time Mode for updating plots).  Animated plots can be paused or stopped.
<p><b><u>2.3.1 Three Flashes or Below Threshold</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>	Software: Supports	There is no flashing content in Electronics Enterprise products.
<p><b><u>2.4.1 Bypass Blocks</u></b> (Level A)</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>	Software: Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">2.4.2 Page Titled</a> (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>	Software: Partially Supports	HTML reports exported from SIwave have page titles. HTML reports exported from Classic Icepak do not.
<p><a href="#">2.4.3 Focus Order</a> (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>	Software: Supports	There is no sequential content in Electronics Enterprise products.
<p><a href="#">2.4.4 Link Purpose (In Context)</a> (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>	Software: Supports	Web links in Electronics Enterprise products (under the Help menus, for example) provide context.
<p><a href="#">3.1.1 Language of Page</a> (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>	Software: Does Not Support	The 'lang' attribute is not set for any HTML reports.
<p><a href="#">3.2.1 On Focus</a> (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>	Software: Supports	Electronics Enterprise products contain no elements that change context on focus.
<p><a href="#">3.2.2 On Input</a> (Level A)</p> <p>Also applies to: Revised Section 508</p>	Software: Supports	Electronics Enterprise products contain no context switching or unexpected behavior on user input. Forms are not automatically submitted, and windows do not

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		launch without context/warning.
<p><b>3.3.1 Error Identification</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>	Software: Supports	Electronics Enterprise products identify errors either in pop-up windows or in a Messages window.
<p><b>3.3.2 Labels or Instructions</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>	Software: Supports	Fields requiring user input are labeled.
<p><b>4.1.1 Parsing</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>	Software: Partially Supports	Exported XML files are valid. HTML reports exported from SIwave are missing !DOCTYPE element. HTML reports exported from Classic Icepak are not parsable.
<p><b>4.1.2 Name, Role, Value</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>	Software: Supports	User interface controls are compatible with assistive technology.

**Table 2: Success Criteria, Level AA**

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><b><u>1.2.4 Captions (Live)</u></b> (Level AA)</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>	Software: Supports	There is no live audio content in Electronics Enterprise products.
<p><b><u>1.2.5 Audio Description (Prerecorded)</u></b> (Level AA)</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>	Software: Supports	There is no video content in Electronics Enterprise products.
<p><b><u>1.4.3 Contrast (Minimum)</u></b> (Level AA)</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>	Software: Does Not Support	<p>Many graphics in Electronics Enterprise products do not meet contrast requirements.</p> <p>In Electronics Desktop, the modeling workspace grid (#C3C3DE) only has a contrast ratio of 1.72:1 with the background (FFFFFF). The text of grayed out ribbon items (#8C8C8C) only has a contrast ratio of 2.93:1 with the ribbon background (EFEFF2). Different color schemes can be selected, but they do not improve the contrast ratios.</p> <p>In SIwave, the main window's "SIwave 2021 R2" text (#C0C0C0) only has a contrast ratio of 1.81:1 with the white background. The text on the "Product Improvement Plan" graphic (#7C4F43) only has a 1.65:1 contrast ratio with background color #5A8849. The "Recent Projects" text on the "Welcome to SIwave" window (#3B3B3B) only has a 2.57:1 contrast ratio with background color #7A7976.</p>
<p><b><u>1.4.4 Resize text</u></b> (Level AA)</p> <p>Also applies to:</p>	Software: Does Not Support	Text size cannot be increased without the use of assistive technologies.



Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		
<u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Software: Supports	In Electronics Enterprise, no essential text is in images only.
<u>2.4.5 Multiple Ways</u> (Level AA) Also applies to: Revised Section 508 <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>	Software: Not Applicable	
<u>2.4.6 Headings and Labels</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Software: Not Applicable	
<u>2.4.7 Focus Visible</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Software: Supports	When text fields become active, a character appears in them. When buttons become active, they are highlighted. When table contents are active, they are either highlighted or outlined.
<u>3.1.2 Language of Parts</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> </ul>	Software: Does Not Support	The 'lang' attribute is not set for HTML reports.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		
<p><b>3.2.3 Consistent Navigation</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>	Software: Not Applicable	
<p><b>3.2.4 Consistent Identification</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>	Software: Not Applicable	
<p><b>3.3.3 Error Suggestion</b> (Level AA)</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>	Software: Supports	When an input error occurs, Electronics Enterprise products suggest ways for users to correct the error.
<p><b>3.3.4 Error Prevention (Legal, Financial, Data)</b> (Level AA)</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>	Software: Supports	Electronics Enterprise products contain no legal or financial data, and has no irreversible data deletion actions.

**Table 3: Success Criteria, Level AAA**

Notes: Not evaluated. The product has not been evaluated for WCAG 2.0 Level AAA conformance.

# Revised Section 508 Report

Notes: N/A

## Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes: Not evaluated. The requirements of this section are not relevant to the product for conformance.

## Chapter 4: [Hardware](#)

Notes: Not evaluated. The product is a software application and is not subject to the requirements of this section.

## Chapter 5: [Software](#)

Notes: Not evaluated. The requirements of this section are not relevant to the product for conformance.

## Chapter 6: [Support Documentation and Services](#)

Notes: Not evaluated. The requirements of this section are not relevant to the product for conformance.

## Legal Disclaimer (Ansys)

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If you have questions or believe that an element is stated incorrectly or incompletely, please contact [vpat@ansys.com](mailto:vpat@ansys.com).