# Ansys Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Ansys Electronics Premium Slwave 2022 R2

**Report Date: August 2022** 

**Product Description: Engineering Simulation Software** 

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**Notes:** This document evaluates conformance for Slwave 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
Web Content Accessibility Guidelines 2.0	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(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 <a href="https://www.wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/wcag.uc.nc/w

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)		
Also applies to:		All icons in SIwave have a text alternative. Components in the design area also have text alternatives. Progress bars show text percentages. Reports and plots can be outputted in text formats.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)	Software. Supports	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)		
Also applies to:		
Revised Section 508	Software: Supports	There are no audio-only or video-only components in
• 501 (Web)(Software)	Software. Supports	the SIwave user interface.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
1.2.2 Captions (Prerecorded) (Level A)		
Also applies to:		There is no prerecorded video content in Slwave.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)	Software. Supports	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)		
Also applies to:		There is no time-based media in SIwave.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)	Software. Supports	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.3.1 Info and Relationships (Level A)	Software: Partially Supports	There is no hierarchical information in the SIwave user
Also applies to:		interface. However, some exported .txt files (such as Q,
Revised Section 508		L, R, X from Touchstone extraction or simulation
• 501 (Web)(Software)		profiles) present tabular information using only spaces
• 504.2 (Authoring Tool)		to differentiate values. The structure of the table cannot

Criteria	Conformance Level	Remarks and Explanations
• 602.3 (Support Docs)		be correctly interpreted by a screen reader in this format.
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	None of the content in SIwave is sequential.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Partially Supports	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.
1.4.1 Use of Color (Level A)  Also applies to:  Revised Section 508  501 (Web)(Software)  504.2 (Authoring Tool)  602.3 (Support Docs)	Software: Supports	Color is primarily used to convey information in plots. All plots have text methods of viewing the information, such as viewing the Simulation Profile.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	There is no audio that automatically plays in SIwave.
<ul> <li>2.1.1 Keyboard (Level A)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Software: Does Not Support	SIwave cannot be operated using only a keyboard.

Criteria	Conformance Level	Remarks and Explanations
2.1.2 No Keyboard Trap (Level A) Also applies to:		Users cannot navigate from one workspace (Nets,
Revised Section 508		Components, Results, Layers, etc.) to another using tab and arrow keys, nor is any other method of doing so
• 501 (Web)(Software)	Software: Does Not Support	
• 504.2 (Authoring Tool)		outlined by the software.
602.3 (Support Docs)		
2.2.1 Timing Adjustable (Level A)		
Also applies to:		
Revised Section 508	Software: Supports	There are no time limits in SIwave.
• 501 (Web)(Software)	Sortinal C. Supports	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.2.2 Pause, Stop, Hide (Level A)		All automatically updating content can be hidden (for
Also applies to: Revised Section 508		example, Layer Stackup Wizard's Dynamic Update function).
• 501 (Web)(Software)	Software: Supports	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		Animated plots can be paused or stopped.
2.3.1 Three Flashes or Below Threshold (Level A)		
Also applies to:		
Revised Section 508		There is no flashing content in Slwave.
• 501 (Web)(Software)	Software: Supports	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.4.1 Bypass Blocks (Level A)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>	Software, Not Applicable	
• 504.2 (Authoring Tool)		
602.3 (Support Docs) – Does not apply to non-web docs		
2.4.2 Page Titled (Level A)		
Also applies to:	Software: Supports	All exported HTML reports have page titles.
Revised Section 508		

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.4.3 Focus Order (Level A)		
Also applies to:		
Revised Section 508	Coftware, Cupports	There is no sequential content in Slwave.
• 501 (Web)(Software)	Software: Supports	
• 504.2 (Authoring Tool)		
<ul> <li>602.3 (Support Docs)</li> </ul>		
2.4.4 Link Purpose (In Context) (Level A)		
Also applies to:		
Revised Section 508	Cafturana Curananta	Web links in SIwave's Help menu provide context.
<ul><li>501 (Web)(Software)</li></ul>	Software: Supports	
<ul> <li>504.2 (Authoring Tool)</li> </ul>		
<ul> <li>602.3 (Support Docs)</li> </ul>		
3.1.1 Language of Page (Level A)		
Also applies to:		
Revised Section 508	Coftware, Doos Not Support	The 'lang' attribute is not set for HTML reports.
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Does Not Support	
<ul> <li>504.2 (Authoring Tool)</li> </ul>		
<ul> <li>602.3 (Support Docs)</li> </ul>		
3.2.1 On Focus (Level A)		
Also applies to:		SIwave contains no elements that change context on focus.
Revised Section 508	Software: Supports	
<ul><li>501 (Web)(Software)</li></ul>	Software. Supports	
<ul> <li>504.2 (Authoring Tool)</li> </ul>		
<ul> <li>602.3 (Support Docs)</li> </ul>		
3.2.2 On Input (Level A)		
Also applies to:		Slwave contains no context switching or unexpected behavior on user input. Forms are not automatically submitted, and windows do not launch without context/warning.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)	Sultware. Supports	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		

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Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	Slwave identifies errors either in pop-up windows or in the Information/Errors/Warnings workspace.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508	Software: Supports	Fields requiring user input are labeled.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508  501 (Web)(Software)  504.2 (Authoring Tool)  602.3 (Support Docs)	Software: Partially Supports	Slwave-exported XML files are valid. Exported HTML reports are missing !DOCTYPE element.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	User interface controls are compatible with assistive technology.

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to:	Software: Supports	There is no live audio content in Slwave.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)		
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	There is no video content in SIwave.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Does Not Support	Several graphics do not meet contrast requirements. 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.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	Text size can be increased using embedded OS Microsoft Windows assistive technologies.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508  • 501 (Web)(Software)  • 504.2 (Authoring Tool)  • 602.3 (Support Docs)	Software: Supports	In SIwave, no essential text is presented in images only.
2.4.5 Multiple Ways (Level AA) Also applies to:	Software: Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508		
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>		
• 504.2 (Authoring Tool)		
<ul> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>		
2.4.6 Headings and Labels (Level AA)		
Also applies to:		
Revised Section 508	Coftwore, Net Applicable	
• 501 (Web)(Software)	Software: Not Applicable	
<ul> <li>504.2 (Authoring Tool)</li> </ul>		
602.3 (Support Docs)		
2.4.7 Focus Visible (Level AA)		
Also applies to:		When text fields become active, a character appears in
Revised Section 508	Software: Supports	them. When buttons become active, they are
• 501 (Web)(Software)	Software: Supports	highlighted. When table contents are active, they are
<ul> <li>504.2 (Authoring Tool)</li> </ul>		either highlighted or outlined.
602.3 (Support Docs)		
3.1.2 Language of Parts (Level AA)		
Also applies to:		
Revised Section 508	Software: Doos Not Support	The 'lang' attribute is not set for HTML reports
• 501 (Web)(Software)	Software. Does Not Support	The 'lang' attribute is not set for HTML reports.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.2.3 Consistent Navigation (Level AA)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>		
• 504.2 (Authoring Tool)		
<ul> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>		
3.2.4 Consistent Identification (Level AA)		
Also applies to:	Software: Not Applicable	
Revised Section 508	Software. Not Applicable	
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>		
• 504.2 (Authoring Tool)		

Criteria	Conformance Level	Remarks and Explanations
<ul> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>		
3.3.3 Error Suggestion (Level AA)		
Also applies to:		When an input error occurs, SIwave suggests ways for users to correct the error.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		
Also applies to:	Software: Supports	Slwave contains no legal or financial data, and has no irreversible data deletion actions.
Revised Section 508		
<ul><li>501 (Web)(Software)</li></ul>		
<ul> <li>504.2 (Authoring Tool)</li> </ul>		
• 602.3 (Support Docs)		

# **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.

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