

# **Ansys Accessibility Conformance Report**

## **Revised Section 508 Edition**

(Based on VPAT® Version 2.4)

**Name of Product/Version: Ansys Electronics Premium Slwave 2021 R2**

**Report Date: September 2021**

**Product Description: Engineering Simulation Software**

**Contact Information: vpat@ansys.com**

**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                                |
|---|---|
| <a href="#">Web Content Accessibility Guidelines 2.0</a>  | Level A (Yes)<br>Level AA (Yes)<br>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)</p> <p>Also applies to:<br/>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 icons in Slwave 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.   |
| <p><b><u>1.2.1 Audio-only and Video-only (Prerecorded)</u></b> (Level A)</p> <p>Also applies to:<br/>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 audio-only or video-only components in the Slwave user interface.   |
| <p><b><u>1.2.2 Captions (Prerecorded)</u></b> (Level A)</p> <p>Also applies to:<br/>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 prerecorded video content in Slwave.   |
| <p><b><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u></b> (Level A)</p> <p>Also applies to:<br/>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 time-based media in Slwave.  |
| <p><b><u>1.3.1 Info and Relationships</u></b> (Level A)</p> <p>Also applies to:<br/>Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> </ul>   | Software: Partially Supports | There is no hierarchical information in the Slwave user interface. However, some exported .txt files (such as Q, L, R, X from Touchstone extraction or simulation profiles) present tabular information using only spaces to differentiate values. The structure of the table cannot |

| Criteria  | Conformance Level            | Remarks and Explanations  |
|---|------------------------------|---|
| <ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>  |                              | 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:<br/>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 Slwave is sequential.  |
| <p><b>1.3.3 Sensory Characteristics</b> (Level A)</p> <p>Also applies to:<br/>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 | 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:<br/>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           | Color is primarily used to convey information in plots. All plots have text methods of viewing the information, such as viewing the Simulation Profile.       |
| <p><b>1.4.2 Audio Control</b> (Level A)</p> <p>Also applies to:<br/>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 Slwave.   |
| <p><b>2.1.1 Keyboard</b> (Level A)</p> <p>Also applies to:<br/>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   | Slwave cannot be operated using only a keyboard.  |

| Criteria   | Conformance Level          | Remarks and Explanations  |
|--|----------------------------|---|
| <p><a href="#">2.1.2 No Keyboard Trap</a> (Level A)</p> <p>Also applies to:<br/>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 | Users cannot navigate from one workspace (Nets, Components, Results, Layers, etc.) to another using tab and arrow keys, nor is any other method of doing so outlined by the software. |
| <p><a href="#">2.2.1 Timing Adjustable</a> (Level A)</p> <p>Also applies to:<br/>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 Slwave.   |
| <p><a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)</p> <p>Also applies to:<br/>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         | <p>All automatically updating content can be hidden (for example, Layer Stackup Wizard's Dynamic Update function).</p> <p>Animated plots can be paused or stopped.</p>                |
| <p><a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)</p> <p>Also applies to:<br/>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 Slwave.   |
| <p><a href="#">2.4.1 Bypass Blocks</a> (Level A)</p> <p>Also applies to:<br/>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><a href="#">2.4.2 Page Titled</a> (Level A)</p> <p>Also applies to:<br/>Revised Section 508</p>   | Software: Supports         | All exported HTML reports have page titles.   |

| 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>   |                            |  |
| <p><b>2.4.3 Focus Order</b> (Level A)</p> <p>Also applies to:<br/>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 Slwave.  |
| <p><b>2.4.4 Link Purpose (In Context)</b> (Level A)</p> <p>Also applies to:<br/>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 Slwave’s Help menu provide context.   |
| <p><b>3.1.1 Language of Page</b> (Level A)</p> <p>Also applies to:<br/>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 HTML reports.  |
| <p><b>3.2.1 On Focus</b> (Level A)</p> <p>Also applies to:<br/>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         | Slwave contains no elements that change context on focus.  |
| <p><b>3.2.2 On Input</b> (Level A)</p> <p>Also applies to:<br/>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         | Slwave contains no context switching or unexpected behavior on user input. Forms are not automatically submitted, and windows do not launch without context/warning. |

| Criteria  | Conformance Level            | Remarks and Explanations   |
|---|------------------------------|--|
| <p><a href="#">3.3.1 Error Identification</a> (Level A)</p> <p>Also applies to:<br/>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           | Slwave identifies errors either in pop-up windows or in the Information/Errors/Warnings workspace. |
| <p><a href="#">3.3.2 Labels or Instructions</a> (Level A)</p> <p>Also applies to:<br/>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><a href="#">4.1.1 Parsing</a> (Level A)</p> <p>Also applies to:<br/>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 | Slwave-exported XML files are valid. Exported HTML reports are missing !DOCTYPE element.           |
| <p><a href="#">4.1.2 Name, Role, Value</a> (Level A)</p> <p>Also applies to:<br/>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><a href="#">1.2.4 Captions (Live)</a> (Level AA)</p> <p>Also applies to:</p> | Software: Supports | There is no live audio content in Slwave. |

| 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><a href="#">1.2.5 Audio Description (Prerecorded)</a></u> (Level AA)<br>Also applies to:<br>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         | There is no video content in Slwave.   |
| <u><a href="#">1.4.3 Contrast (Minimum)</a></u> (Level AA)<br>Also applies to:<br>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: Does Not Support | Several graphics do not meet contrast requirements. The main window's "Slwave 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 Slwave" window (#3B3B3B) only has a 2.57:1 contrast ratio with background color #7A7976. |
| <u><a href="#">1.4.4 Resize text</a></u> (Level AA)<br>Also applies to:<br>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: Does Not Support | Text size cannot be increased without the use of assistive technologies.   |
| <u><a href="#">1.4.5 Images of Text</a></u> (Level AA)<br>Also applies to:<br>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 Slwave, no essential text is presented in images only.  |
| <u><a href="#">2.4.5 Multiple Ways</a></u> (Level AA)<br>Also applies to:  | Software: Not Applicable   |  |



| Criteria   | Conformance Level          | Remarks and Explanations  |
|--|----------------------------|---|
| 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>  |                            |   |
| <b>2.4.6 Headings and Labels</b> (Level AA)<br>Also applies to:<br>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   |   |
| <b>2.4.7 Focus Visible</b> (Level AA)<br>Also applies to:<br>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. |
| <b>3.1.2 Language of Parts</b> (Level AA)<br>Also applies to:<br>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: Does Not Support | The 'lang' attribute is not set for HTML reports.   |
| <b>3.2.3 Consistent Navigation</b> (Level AA)<br>Also applies to:<br>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   |   |
| <b>3.2.4 Consistent Identification</b> (Level AA)<br>Also applies to:<br>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> </ul>  | Software: Not Applicable   |   |

| Criteria  | Conformance Level  | Remarks and Explanations   |
|---|--------------------|--|
| <ul style="list-style-type: none"> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>   |                    |  |
| <p><b>3.3.3 Error Suggestion</b> (Level AA)</p> <p>Also applies to:</p> <p>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, Slwave suggests 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:</p> <p>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 | Slwave contains 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).