

# **Ansys Accessibility Conformance Report**

## **Revised Section 508 Edition**

(Based on VPAT® Version 2.4)

**Name of Product/Version: Ansys Mechanical 2021 R2**

**Report Date: October 2021**

**Product Description: Engineering simulation software**

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

**Notes:** The review of Mechanical excluded the help system that is delivered with the simulation software product.

**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       | Software: Icons in the Mechanical UI have associated text that appears in tooltips when hovering over the icon.  |
| <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: Not Applicable |  |
| <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: Not Applicable |  |
| <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: Not Applicable |  |
| <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: Supports       | Software: For information that is presented hierarchically on the screen, that hierarchy is preserved when a screen reader is used. There is no textual formatting within the Mechanical UI. |

| Criteria  | Conformance Level             | Remarks and Explanations  |
|---|-------------------------------|---|
| <ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>  |                               |   |
| <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: Not Applicable      |   |
| <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: Supports            | Software: The Mechanical UI has no components that require sensory characteristics in order to use them.  |
| <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            | Software: Color is not used in the Mechanical UI as the only means of conveying information. Color is used mainly in results contours to indicate magnitude of results, but numerical values are also provided to indicate magnitude. |
| <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: Not Applicable      |   |
| <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: Supports            | Software: No special timing is required when using the keyboard for input in the Mechanical UI.   |
| <p><b>2.1.2 No Keyboard Trap</b> (Level A)</p>  | Software: Partially Supported | Software: Keyboard operations are limited in the  |

| Criteria   | Conformance Level        | Remarks and Explanations  |
|--|--------------------------|---|
| <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>  |                          | <p>Mechanical UI. Keyboard operations may be partially supported within a particular functional area (ribbon tabs, individual panels). It is not possible to advance focus to a different functional area in the user interface using the keyboard. However, the Microsoft Mouse Keys can be used to move the cursor to various areas of the UI and change focus in that way.</p> |
| <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: Not Applicable |   |
| <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>Software: There is no moving, blinking scrolling or auto-updating components of the Mechanical UI, unless you are viewing results or solution information in real time, which is not a required way of using the Mechanical UI.</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       | <p>Software: Nothing flashes as part of the use of the Mechanical UI.</p>   |
| <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>   | Software: Supports       | Software: The Mechanical window areas have titles that  |

| Criteria  | Conformance Level            | Remarks and Explanations   |
|---|------------------------------|--|
| 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>   |                              | describe their function.   |
| <u>2.4.3 Focus Order</u> (Level A)<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: Partially Supports | Software: Focus order may be supported within a particular functional area; it is not possible to navigate sequentially or advance the focus sequentially.   |
| <u>2.4.4 Link Purpose (In Context)</u> (Level A)<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     |  |
| <u>3.1.1 Language of Page</u> (Level A)<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           | Software: The Mechanical UI is available in a number of different languages (for example, English, French, and German) that can be selected by the user. UI labeling is translated to the language selected by the user. |
| <u>3.2.1 On Focus</u> (Level A)<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           | Software: When something gains focus in the Mechanical UI, there is no context switching.  |
| <u>3.2.2 On Input</u> (Level A)<br>Also applies to:<br>Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> </ul>  | Software: Supports           | Software: There is no context switching or unexpected behavior when the user enters information into the Mechanical UI.  |

| 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>3.3.1 Error Identification</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           | The Mechanical UI indicates errors in input by highlighting the input field in yellow. During the execution of the program, a text-based error message is provided in the message pane if an invalid input value exists. |
| <p><b>3.3.2 Labels or Instructions</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           | Software: Fields in the Mechanical UI that require user input are labeled.   |
| <p><b>4.1.1 Parsing</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           | Software: The Mechanical UI content is not implemented with markup languages.  |
| <p><b>4.1.2 Name, Role, Value</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 | Software: The Mechanical UI provides names for most user interface components that are compatible with assistive technology.   |

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

Notes:

| Criteria | Conformance Level | Remarks and Explanations |
|----------|-------------------|--------------------------|
|----------|-------------------|--------------------------|

| Criteria  | Conformance Level          | Remarks and Explanations  |
|---|----------------------------|---|
| <p><b><u>1.2.4 Captions (Live)</u></b> (Level AA)</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: Not Applicable   |   |
| <p><b><u>1.2.5 Audio Description (Prerecorded)</u></b> (Level AA)</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: Not Applicable   |   |
| <p><b><u>1.4.3 Contrast (Minimum)</u></b> (Level AA)</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         | Software: The text and images in the Mechanical UI use colors that provide good contrast as checked using the following web site: <a href="https://app.contrast-finder.org/?lang=en">https://app.contrast-finder.org/?lang=en</a> . In addition, you can change colors of the graphics objects, and the color of the graphics window background if there is a need for more contrast. |
| <p><b><u>1.4.4 Resize text</u></b> (Level AA)</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 |   |
| <p><b><u>1.4.5 Images of Text</u></b> (Level AA)</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         | Software: The only image containing text is the Ansys logo.   |
| <p><b><u>2.4.5 Multiple Ways</u></b> (Level AA)</p> <p>Also applies to:<br/>Revised Section 508</p>   | Software: Not Applicable   |   |



| Criteria   | Conformance Level        | Remarks and Explanations   |
|--|--------------------------|--|
| <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><b>2.4.6 Headings and Labels</b> (Level AA)</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       | Software: Headings and labels in the Mechanical UI describe the topic or purpose of the window panel or item.  |
| <p><b>2.4.7 Focus Visible</b> (Level AA)</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       | Software: As focus moves to different elements in the Mechanical UI, those items are highlighted.  |
| <p><b>3.1.2 Language of Parts</b> (Level AA)</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       | Software: The Mechanical UI is available in a number of different languages (for example, English, French, and German) that can be selected by the user. UI labeling is translated to the language selected by the user. |
| <p><b>3.2.3 Consistent Navigation</b> (Level AA)</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><b>3.2.4 Consistent Identification</b> (Level AA)</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 |  |

| Criteria   | Conformance Level  | Remarks and Explanations   |
|--|--------------------|--|
| <p><b>3.3.3 Error Suggestion</b> (Level AA)</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 | Software: The Mechanical UI generates text-based error messages that attempt to help the user determine how to correct an input error when possible. |
| <p><b>3.3.4 Error Prevention (Legal, Financial, Data)</b> (Level AA)</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 | Software: The Mechanical UI does not cause legal commitments or financial transactions to occur.   |

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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).