

# Ansys Accessibility Conformance Report

## Revised Section 508 Edition

(Based on VPAT® Version 2.4)

**Name of Product/Version:** Ansys Discovery 2024 R2

**Report Date:** August 2024

**Product Description:** Multi-physics engineering simulation software

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

**Notes:** The review of Discovery 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) Level AA (Yes)

Standard/Guideline	Included In Report
	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: 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	Non-text content (controls) have text alternatives in the form of tooltips or labels.
<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>	Software: Not Applicable	
<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>	Software: Not Applicable	
<p><b><u>1.2.3 Audio Description or Media Alternative (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>	Software: Not Applicable	
<p><b><u>1.3.1 Info and Relationships</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	The structure and relationships of content is not programmatically labelled and not identifiable by assistive technologies.
<p><b><u>1.3.2 Meaningful Sequence</u></b> (Level A)</p>	Software: Does Not Support	The sequence of content is not programmatically

Criteria	Conformance Level	Remarks and Explanations
<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>		labelled and not identifiable by assistive technologies.
<p><b><u>1.3.3 Sensory Characteristics</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>	Software: Partially Supports	Components and controls in Discovery have tooltips which describe functionality.
<p><b><u>1.4.1 Use of Color</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>	Software: Partially Supports	Some color content has corresponding tooltips. Color content is not programmatically labelled and not identifiable by assistive technologies.
<p><b><u>1.4.2 Audio Control</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>	Software: Not Applicable	
<p><b><u>2.1.1 Keyboard</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>	Software: Partially Supports	Keyboard operations are limited in Discovery. Although keyboard operations may be partially supported within a particular functional area (HUD, ribbon tabs), it is not possible to move to a different functional area in the user interface using the keyboard.
<p><b><u>2.1.2 No Keyboard Trap</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> </ul>	Software: Does Not Support	Keyboard operations are limited in Discovery. Although keyboard operations may be partially supported within a particular functional area (HUD, ribbon tabs), it is not possible to advance focus to a different functional area in the user interface using the keyboard.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		
<p><b>2.2.1 Timing Adjustable</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: Not Applicable	
<p><b>2.2.2 Pause, Stop, Hide</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	Users can pause, stop, or hide results animation.
<p><b>2.3.1 Three Flashes or Below Threshold</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	Discovery does not use flashing effects.
<p><b>2.4.1 Bypass Blocks</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	
<p><b>2.4.2 Page Titled</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	Dialog boxes, ribbon tabs and groups, monitors, defined variations, and stage navigator have titles that describe their purpose.
<p><b>2.4.3 Focus Order</b> (Level A)</p> <p>Also applies to: Revised Section 508</p>	Software: Partially Supports	Focus order may be supported within a particular functional area; it is not possible to navigate sequentially or advance the focus sequentially.

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><u>2.4.4 Link Purpose (In Context)</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: Not Applicable	
<p><b><u>3.1.1 Language of Page</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	Users can select a default language. The default human language is identified by the file name of the user interface resource file.
<p><b><u>3.2.1 On Focus</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	Change of focus does not cause a context change or commit changes automatically.
<p><b><u>3.2.2 On Input</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	Input changes require the user to explicitly enter and/or acknowledge the change; inputs are not committed automatically.
<p><b><u>3.3.1 Error Identification</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	Input errors, whether due to invalid entry or non-entry, are identified to the user through color outlining of the input field with a corresponding notification explaining error recovery and next steps needed.
<p><b><u>3.3.2 Labels or Instructions</u></b> (Level A)</p>	Software: Supports	Descriptive labels, ghosted text and tooltips inform the

Criteria	Conformance Level	Remarks and Explanations
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>		user of the type of input required. Messages in the status bar give the user hints for next steps.
<b>4.1.1 Parsing</b> (Level A) 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	Although Discovery code validates and conforms to standard coding practices, it does not programmatically address assistive technologies.
<b>4.1.2 Name, Role, Value</b> (Level A) 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: Partially Supports	User interface components are identified with labels and tooltips to indicate name, role and/or value but are not programmatically labelled and not identifiable by assistive technologies.

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
<b>1.2.4 Captions (Live)</b> (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	
<b>1.2.5 Audio Description (Prerecorded)</b> (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: Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		
<p><b>1.4.3 Contrast (Minimum)</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	Discovery provides color customization options, including three different color themes that modify UI background color, text color, and icons (three sets of icons based on different color palettes). Some parts of the UI expose a custom color palette for full color customization.
<p><b>1.4.4 Resize text</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	Text size can be increased using embedded OS Microsoft Windows assistive technologies.
<p><b>1.4.5 Images of Text</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	Discovery does not contain images of text.
<p><b>2.4.5 Multiple Ways</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>2.4.6 Headings and Labels</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	Headings and labels in Discovery describe the topic or purpose of that item. Tooltips are also provided to support labels.
<p><b>2.4.7 Focus Visible</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p>	Software: Supports	As focus moves to different controls, those controls are highlighted with required contrast.



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><u>3.1.2 Language of Parts</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	Interface elements (parts) are presented in one natural language at a time. Multiple natural languages are available.
<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>	Software: Not Applicable	
<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>	Software: Not Applicable	
<p><b><u>3.3.3 Error Suggestion</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	Discovery provides suggestions for error correction through notifications or at the input field.
<p><b><u>3.3.4 Error Prevention (Legal, Financial, Data)</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	Discovery does not process legal commitments or financial transactions. User-controlled data can be changed or reversed.

**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:

## 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).