Ansys Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Ansys Discovery 2021 R2

Report Date: September 2021

Product Description: Multi-physics engineering simulation software

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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
Web Content Accessibility Guidelines 2.0	Level A (Yes)

Standard/Guideline	Included In Report
	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 WCAG 2.0 Conformance Requirements.

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	Non-text content (controls) have text alternatives in the form of tooltips or labels.
1.2.1 Audio-only and Video-only (Prerecorded) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable	
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable	
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Software: Does Not Support	The structure and relationships of content is not programmatically labelled and not identifiable by assistive technologies.

Criteria	Conformance Level	Remarks and Explanations
602.3 (Support Docs)		
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: Does Not Support	The sequence of content is not programmatically labelled and not identifiable by assistive technologies.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508	Software: Partially Supports	Components and controls in Discovery have tooltips which describe functionality.
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: Partially Supports	Some color content has corresponding tooltips. Color content is not programmatically labelled and not identifiable by assistive technologies.
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: Not Applicable	
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	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.
2.1.2 No Keyboard Trap (Level A)	Software: Does Not Support	Keyboard operations are limited in Discovery. Although

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508		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
501 (Web)(Software)504.2 (Authoring Tool)602.3 (Support Docs)		in the user interface using the keyboard.
2.2.1 Timing Adjustable (Level A) Also applies to:		
Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable	
2.2.2 Pause, Stop, Hide (Level A)		
Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	Users can pause, stop, or hide results animation.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	Discovery does not use flashing effects.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Software: Not Applicable	
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Software: Partially Supports	Dialog boxes, ribbon tabs and groups, monitors, defined variations, and stage navigator have titles that describe their purpose.

Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.4.3 Focus Order (Level A)		
Also applies to:		
Revised Section 508	Software: Partially Supports	Focus order may be supported within a particular functional area; it is not possible to navigate
• 501 (Web)(Software)	Software. Faitially Supports	sequentially or advance the focus sequentially.
 504.2 (Authoring Tool) 		sequentially of advance the focus sequentially.
• 602.3 (Support Docs)		
2.4.4 Link Purpose (In Context) (Level A)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
• 501 (Web)(Software)	Software. Not Applicable	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.1.1 Language of Page (Level A)		
Also applies to:		Users can select a default language. The default human
Revised Section 508	Software: Supports	language is identified by the file name of the user
• 501 (Web)(Software)		interface resource file.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.2.1 On Focus (Level A)		
Also applies to:		
Revised Section 508	Software: Supports	Change of focus does not cause a context change or commit changes automatically.
• 501 (Web)(Software)	''	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.2.2 On Input (Level A)		
Also applies to:		Input changes require the user to explicitly enter and/or
Revised Section 508	Software: Supports	acknowledge the change; inputs are not committed
• 501 (Web)(Software)		automatically.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		

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	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.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508	Software: Supports	Descriptive labels, ghosted text and tooltips inform the user of the type of input required. Messages in the status bar give the user hints for next steps.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508	Software: Supports	Although Discovery code validates and conforms to standard coding practices, it does not programmatically address assistive technologies.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508	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
1.2.4 Captions (Live) (Level AA) Also applies to:	Software: Not Applicable	

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	Software: Not Applicable	
• 501 (Web)(Software)	Software. Not Applicable	
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
1.4.3 Contrast (Minimum) (Level AA)		Discovery provides color customization options,
Also applies to:		including three different color themes that modify UI
Revised Section 508	Software: Supports	background color, text color, and icons (three sets of
• 501 (Web)(Software)	Software. Supports	icons based on different color palettes). Some parts of
• 504.2 (Authoring Tool)		the UI expose a custom color palette for full color
602.3 (Support Docs)		customization.
1.4.4 Resize text (Level AA)		
Also applies to:		
Revised Section 508	Software: Supports	Text size can be increased using embedded OS
• 501 (Web)(Software)	Software. Supports	Microsoft Windows assistive technologies.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.4.5 Images of Text (Level AA)		
Also applies to:		
Revised Section 508	Software: Supports	Discovery does not contain images of text.
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.4.5 Multiple Ways (Level AA)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
• 501 (Web)(Software) – Does not apply to non-web software		
• 504.2 (Authoring Tool)		

Criteria	Conformance Level	Remarks and Explanations
602.3 (Support Docs) – Does not apply to non-web docs		
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	Headings and labels in Discovery describe the topic or purpose of that item. Tooltips are also provided to support labels.
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	As focus moves to different controls, those controls are highlighted with required contrast.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	Interface elements (parts) are presented in one natural language at a time. Multiple natural languages are available.
 3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Software: Not Applicable	
 3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Software: Not Applicable	
3.3.3 Error Suggestion (Level AA)	Software: Supports	Discovery provides suggestions for error correction

Criteria	Conformance Level	Remarks and Explanations
Also applies to:		through notifications or at the input field.
Revised Section 508		
• 501 (Web)(Software)		
 504.2 (Authoring Tool) 		
• 602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		
Also applies to:		Disastrant da sa nat musassa lagal samunitma anta an
Revised Section 508	Software: Supports	Discovery does not process legal commitments or financial transactions. User-controlled data can be changed or reversed.
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
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:

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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