Ansys Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.4)

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

Report Date: August 2022

Product Description: Engineering Simulation Software

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Notes: This document evaluates conformance for HFSS 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:

[&]quot;Voluntary Product Accessibility Template" and "VPAT" are registered service marks of the Information Technology Industry Council (ITI)

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 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: Partially Supports	All icons in HFSS have a text alternative. Components in the design area also have text alternatives. Progress bar can be expanded to show text percentages. Reports and plots can be outputted in text formats. Field Overlays rely on images.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports	There are no audio-only or video-only components in HFSS.
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: Supports	There is no prerecorded video content in HFSS.
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: Supports	There is no time-based media in HFSS.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Software: Supports	Hierarchical information in HFSS (for example, the Project Manager and History trees) is preserved when a screen reader is used.

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: Supports	None of the content in HFSS 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	In HFSS, some field overlay information (such as the Vector E Field) is presented using only shape and color.
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	In HFSS, some field overlay information (such as Mag_E) is presented using only color.
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 HFSS.
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Does Not Support	HFSS cannot be operated using only a keyboard.
2.1.2 No Keyboard Trap (Level A)	Software: Does Not Support	In HFSS, users cannot navigate from one window

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		(Project Manager, Messages, Properties, etc.) to another using tab and arrow keys, nor is any other method of doing so outlined by the software.
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: Supports	There are no time limits in HFSS.
 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	All automatically updating content in HFSS can be hidden (for example, the Messages window and Real Time Mode for updating plots). Animated plots can be paused or stopped.
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	There is no flashing content in HFSS.
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: Not Applicable	

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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: Supports	There is no sequential content in HFSS.
• 501 (Web)(Software)	Software. Supports	There is no sequential content in thi 55.
 504.2 (Authoring Tool) 		
602.3 (Support Docs)		
2.4.4 Link Purpose (In Context) (Level A)		
Also applies to:		
Revised Section 508	Software: Supports	Web links in HFSS (under the Help menu, for example)
• 501 (Web)(Software)	Software. Supports	provide context.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.1.1 Language of Page (Level A)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.2.1 On Focus (Level A)		
Also applies to:		HFSS contains no elements that change context on focus.
Revised Section 508	Software: Supports	
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.2.2 On Input (Level A)		
Also applies to:		HFSS contains no context switching or unexpected behavior on user input. Forms are not automatically submitted, and windows do not launch without
Revised Section 508	Software: Supports	
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		context/warning.
• 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	HFSS identifies errors either in pop-up windows or in the Message Manager window.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	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: Not Applicable	
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 HFSS.

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: Supports	There is no video content in HFSS.
• 501 (Web)(Software)	Software. Supports	There is no video content in this 55.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.4.3 Contrast (Minimum) (Level AA)		Several graphics do not meet contrast requirements.
Also applies to:		The modeling workspace grid (#C3C3DE) only has a
Revised Section 508		contrast ratio of 1.72:1 with the background (#FFFFFF).
• 501 (Web)(Software)	Software: Does Not Support	The text of grayed out ribbon items (#8C8C8C) only has
• 504.2 (Authoring Tool)		a contrast ratio of 2.93:1 with the ribbon background
• 602.3 (Support Docs)		(#EFEFF2). Different color schemes can be selected, but
		they do not improve the contrast ratios.
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)		Microsoft Windows assistive technologies.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)	1	
1.4.5 Images of Text (Level AA) Also applies to:		
Revised Section 508		
• 501 (Web)(Software)	Software: Supports	In HFSS, no essential text is in images only.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
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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 		
5 301 (Web)(301tware) - Does not apply to non-web software	<u> </u>	<u> </u>

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Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool)		
 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	Software: Not Applicable	
• 501 (Web)(Software)	Software. Not Applicable	
• 504.2 (Authoring Tool)		
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 highlighted. When table contents are active, they are either highlighted or outlined.
• 501 (Web)(Software)	Software. Supports	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.1.2 Language of Parts (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)		
3.2.3 Consistent Navigation (Level AA)		
Also applies to:		
Revised Section 508	Software: Not Applicable	
• 501 (Web)(Software) – Does not apply to non-web software	Software: Not Applicable	
• 504.2 (Authoring Tool)		
602.3 (Support Docs) – Does not apply to non-web docs		
3.2.4 Consistent Identification (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)		
602.3 (Support Docs) – Does not apply to non-web docs		

Criteria	Conformance Level	Remarks and Explanations
3.3.3 Error Suggestion (Level AA) Also applies to:		
Revised Section 508	Software: Supports	When an input error occurs, HFSS suggests ways for users to correct the error.
• 501 (Web)(Software)	Software. Supports	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		HFSS contains no legal or financial data, and has no irreversible data deletion actions.
Also applies to:	Software: Supports	
Revised Section 508		
• 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: 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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