Ansys Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: Ansys Zemax OpticStudio 2022 R2

Report Date: July 2022

Product Description: Optical Design and Prototyping

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Notes: This review of OpticStudio excludes the help system that is delivered with the software product.

Evaluation Methods Used: Testing was conducted based upon general knowledge of Ansys employees familiar with the product, as well as some testing using assistive technologies such as Windows Narrator.

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.

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**	All non-text content has an equivalent text alternative. Graphical analysis results include text reports and button icons include tooltips.
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: **Not Applicable**	No audio or video content.
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**	There is no prerecorded audio content or synchronized media.
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**	There is no synchronized media.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Software: **Partially Supports**	Some information and relationships (e.g. Ribbon Control, disabled UI elements) cannot be programmatically determined, however the Windows Narrator is able to determine information and relationships for most UI controls.

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: **Partially Supports**	A correct reading cannot be programmatically determined for some features (e.g. editor column headers), however the Windows Narrator is able to determine the sequence in most cases where it is relevant.
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**	Instructions for a few specific elements (e.g. catalogs in use) are largely implied through its sensory characteristics (Layout). Most other features do not rely on sensory characteristics to imply their correct usage.
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: **Supports**	Where color is used to convey information, some text alternative is available.
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**	There are no audio controls.
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**	Some features cannot be used with keyboard alone.
2.1.2 No Keyboard Trap (Level A)	Software: **Does Not Support**	Although it is largely possible to use individual features

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		with a keyboard, navigation between different features such as an Analysis window and the System Explorer cannot be done with a keyboard alone.
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**	No time limits are set by, or within, the software.
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: **Not Applicable**	The software contains no scrolling, moving, or blinking text.
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: **Not Applicable**	The software contains no flashing elements.
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**	Not a webpage.
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Software: **Supports**	All windows are properly titled.

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 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Partially Supports**	Where sequential navigation is used (wizards) the order of focusable components generally does not affect meaning or operability; however there are areas where keyboard navigation does not work correctly.
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Not Applicable**	Not a webpage.
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Supports**	The language of the application may be set in the Project Preferences window.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Supports**	User initiated context changes generally follow interaction with a control whose purpose is clear.
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Supports**	User initiated context changes generally follow interaction with a control whose purpose is clear.

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: **Partially Supports**	The user is alerted to most errors individually, but many do not identify the specific input item which caused the error.

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**	All user inputs are generally labeled, or the manner of their interaction is otherwise described in detail.

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**	No part of the software is implemented using uncompiled markup.

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: **Not Supported**	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**	No live audio content.

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 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Not Applicable**	No prerecorded video content.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Partially Supports**	Most of the text is high contrast, but we have not evaluated all color combinations in the software, and some text may not meet the required ratio.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Partially Supports**	Most text in the software can be resized, either through the Project Preferences, Windows settings, or occasionally, by magnifying certain content using the keyboard or mouse scroll wheel.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Supports**	Images of text are generally avoided, where that is not the case, a purely text alternative exists.
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool)	Software: **Not Applicable**	Not a webpage.

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 or labels are generally used to describe the topic or purpose of controls, windows, and workflows within the software.
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**	Keyboard focus is generally visible by default on all user interface elements.
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: **Not Supported**	Language can be selected for the entire application but is not tracked for passages or phrases.
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**	Not a webpage.
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**	Not a webpage.
3.3.3 Error Suggestion (Level AA)	Software: **Not Supported**	The user is alerted to most input errors, but corrective

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		actions are generally not suggested.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: **Supports**	OpticStudio 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)

If you have questions or believe that an element is stated incorrectly or incompletely, please contact vpat@ansys.com.