Autodesk[®] Accessibility Conformance Report Revised Section 508 Edition

VPAT[®] Version 2.3 – December 2018

Name of Product/Version: Autodesk Navisworks Freedom 2020

Product Description: Navisworks® project review software lets architecture, engineering and construction professionals holistically review integrated models and data with stakeholders during preconstruction to better control project outcomes.

Date: April 1, 2019

Contact information: 415-356-0700

Notes:

Evaluation Methods Used: Testing is based on general product knowledge

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, at <u>http://www.w3.org/TR/2008/REC-</u>	Level A (Yes)
<u>WCAG20-20081211/</u>	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017	(Yes)

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Corrections to the ICT Final Rule as published by the US Access Board in the Federal	
Register on January 22, 2018	

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:

- 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 <u>WCAG 2.0 Conformance Requirements</u>.

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) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Images, icons, and videos without other captions or descriptions Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Does Not Supported Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Navisworks provides information to the user via the Microsoft Active Accessibility Application. Not all UI controls are accessible via the Narrator tool. Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Text created as part of the geometry will not be available to accessibility tools such as Narrator. Microsoft Active Accessibility applications like the Narrator can be used to access particulars of the components of a form/dialog box. Authoring Tool:
 1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports	Web: Electronic Docs: Software: Animation is created by Manage. Viewpoint animations can be named appropriately and displayed

Criteria	Conformance Level	Remarks and Explanations
504.2 (Authoring Tool)602.3 (Support Docs)	Authoring Tool: Not Applicable	as individual frames. There is no animation in the interface controls. Authoring Tool:
 1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Animation is created in Navisworks. Viewpoint animations can be named appropriately and displayed as individual frames. There is no animation in the interface controls. Authoring Tool:
 1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Animation is created in Navisworks. Viewpoint animations can be named appropriately and displayed as individual frames. There is no animation in the interface controls. Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Partially Supports Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Hyperlinks are colored, but also underlined on hover to indicate a link Software: Color-coding is not generally used as the only means of conveying information. The selection list however is color-coded, and some editors use color information to display status information. Focus is indicated by a dark blue border around the command in use and shading of the window. There is no programmatic means to change the focus. Authoring Tool:
 1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Videos require user to play, allow ability to stop, offer volume control Software: Navisworks does not require user hearing in order to operate the software. Authoring Tool:

Criteria	Conformance Level	Remarks and Explanations
 2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Can scroll a page, but can't navigate between pages or access links and videos Software: Keyboard navigation is provided for most menu commands in Manage. In addition, the software can be customized to enhance access to particular functions, for example with larger controls. Authoring Tool:
 2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Keyboard shortcuts can be used to move in and out of menu items and their respective content. Authoring Tool:
 2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Not Applicable Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: There are no user interaction time limits in Navisworks Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Potential issue with loading animation on new page/video load, user may not have ability to pause or stop. Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
2.4.1 Bypass Blocks (Level A) Also applies to:	Web: Not Applicable Electronic Docs: Does Not	Web: Electronic Docs:

Criteria	Conformance Level	Remarks and Explanations
 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 	Support Authoring Tool: Not Applicable	Authoring Tool:
 2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Partially Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Can't navigate between pages with keyboard Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: It is under the users control to provide meaningful context to any hyperlinks created in Navisworks. Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: URL for each page contains language code Software: Language packs are available to provide localized product and content. Authoring Tool:
 3.2.1 On Focus (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Partially Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Links to external resources open in new tab Software: Authoring Tool:

Criteria	Conformance Level	Remarks and Explanations
 3.2.2 On Input (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Search within help system Software: Authoring Tool:
 4.1.1 Parsing (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Does Not Support Software: Partially Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: 3 rd party software can be used to set values in user interface components. Authoring Tool:

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Web: Not Applicable	
Also applies to:	Electronic Docs: Does Not	Web:
Revised Section 508	Support	Electronic Docs:
• 501 (Web)(Software)	Software: Not Applicable	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA)	Web: Not Applicable	
Also applies to:	Electronic Docs: Does Not	Web:
Revised Section 508	Support	Electronic Docs:
• 501 (Web)(Software)	Software: Does Not Support	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	
1.4.3 Contrast (Minimum) (Level AA)	Web: Not Applicable	
Also applies to:	Electronic Docs: Does Not	Web:
Revised Section 508	Support	Electronic Docs:
• 501 (Web)(Software)	Software: Supports	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	
1.4.4 Resize text (Level AA)		
Also applies to:	Web: Not Applicable	Web:
Revised Section 508	Electronic Docs: Supports	Electronic Docs: Using Browser Zoom
• 501 (Web)(Software)	Software: Supports	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	
1.4.5 Images of Text (Level AA)		
Also applies to:	Web: Not Applicable	Web:
Revised Section 508	Electronic Docs: Supports	Electronic Docs:
• 501 (Web)(Software)	Software: Supports	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	

Criteria	Conformance Level	Remarks and Explanations
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) 602.3 (Support Docs) – Does not apply to non-web docs 	Web: Not Applicable Electronic Docs: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Not Applicable Electronic Docs: Supports Software: Supports Authoring Tool: Not Applicable	Web: Electronic Docs: Topic is bolded in TOC when clicked, links are highlighted and underlined when selected Software: Authoring Tool:
 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) 	Web: Not Applicable Electronic Docs: Supports Software: Not Applicable Authoring Tool: Not Applicable	Web: Electronic Docs: Software: Authoring Tool:
 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 	Web: Not Applicable Electronic Docs: Supported Authoring Tool: Not Applicable	Web: Electronic Docs: TOC on left, related links appear at bottom of page where applicable Authoring Tool:
 Bo2.3 (Support Docs) – Does not apply to non-web docs 3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 	Web: Not Applicable Electronic Docs: Not Applicable Authoring Tool: Not	Web: Electronic Docs: Authoring Tool:

Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool)	Applicable	
 602.3 (Support Docs) – Does not apply to non-web docs 		
3.3.3 Error Suggestion (Level AA)	Web: Not Applicable	
Also applies to:	Electronic Docs: Not	Web:
Revised Section 508	Applicable	Electronic Docs:
• 501 (Web)(Software)	Software: Does Not Support	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
• 602.3 (Support Docs)	Applicable	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Web: Not Applicable	
Also applies to:	Electronic Docs: Not	Web:
Revised Section 508	Applicable	Electronic Docs:
• 501 (Web)(Software)	Software: Not Applicable	Software:
• 504.2 (Authoring Tool)	Authoring Tool: Not	Authoring Tool:
602.3 (Support Docs)	Applicable	

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	Microsoft Active Accessibility applications like the Narrator can be used to access particulars of the components of a form/dialog box. Some interface controls such as 3d manipulation are not accessible via the Narrator.
302.2 With Limited Vision	Partially Supports	Keyboard navigation is provided for most Menu commands. Assistive Technology like the Magnifier can be used to provide enlarged print output.
302.3 Without Perception of Color	Supports	Where color is used to communicate information, the user can select contrasting colors.

Criteria	Conformance Level	Remarks and Explanations
302.4 Without Hearing	Supports	Navisworks does not require user hearing in order to operate the software.
302.5 With Limited Hearing	Supports	Navisworks does not require user hearing in order to operate the software.
302.6 Without Speech	Supports	Navisworks does not require user speech in order to operate the software.
302.7 With Limited Manipulation	Supports	Users interact with Navisworks via the same controls on the computer.
302.8 With Limited Reach and Strength	Supports	Users interact with Navisworks via the same controls on the computer.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Users interact with Navisworks via the same controls on the computer.

Chapter 4: Hardware

Notes: Not Applicable to Navisworks.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See <u>WCAG 2.0</u> section	See information in WCAG section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Does not Support	The software uses proprietary code to implement its user interface. As a result, it supports none of the accessibility features of commercial UI toolkits.
502.2.2 No Disruption of Accessibility Features	Does not Support	The software uses proprietary code to implement its user interface. As a result, it supports none of the accessibility features of commercial UI toolkits.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information 502.3.2 Modification of Object Information 502.3.3 Row, Column, and Headers	Does not Support	The software uses proprietary code to implement its user interface. As a result, it supports none of the accessibility features

Criteria	Conformance Level	Remarks and Explanations
502.3.4 Values		of commercial UI toolkits.
502.3.5 Modification of Values		
502.3.6 Label Relationships		
502.3.7 Hierarchical Relationships		
502.3.8 Text		
502.3.9 Modification of Text		
502.3.10 List of Actions		
502.3.11 Actions on Objects		
502.3.12 Focus Cursor		
502.3.13 Modification of Focus Cursor		
502.3.14 Event Notification		
502.4 Platform Accessibility Features		
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Partially supports	The software does provide user preferences for Bold fonts as well as contrast/ brightness & background opacity.
503.3 Alternative User Interfaces	Does not Support	The software uses proprietary code to implement its user interface. As a result, it supports none of the accessibility features of commercial UI toolkits.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Does not Support	
503.4.2 Audio Description Controls	Does not Support	
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See <u>WCAG 2.0</u> section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Does not Support	
504.2.2 PDF Export	Does not Support	
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504.2.2 Por Export 504.3 Prompts		

Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Partially Supports	There are several features that support accessibility, however, they are not specifically documented as accessibility features. Examples are Tooltips, Keyboard Shortcuts, Keyboard Accelerators, and Quick Access Toolbar.
602.3 Electronic Support Documentation	See <u>WCAG 2.0</u> section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	Does not Support	
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features		
603.3 Accommodation of Communication Needs		

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