

Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: NAVVIA:PEN
<https://staging.navvia.ca/>

Report Date: June 1, 2023

Product Description:

Contact Information:

Notes:

This report was provided by accessiBe Ltd.

Evaluation Methods Used:

A representative set of 11 pages from Navvia to perform the audit.

These pages include different types of elements and cover the key flows of Navvia.

The pages were tested in the below environments:

- o Windows 10/Google Chrome/JAWS 2022
- o Windows 10/Firefox/NVDA 2022
- o Windows 10/Google Chrome/ZoomText 2022
- o MAC OS 11/Safari /VoiceOver
- o Windows 10 /Google Chrome/Dragon Naturally Speaking 15

Accessibility testers performed the audit using:

- Automated tools
 - o W3C Markup Validation service
 - o Color contrast checker
- Code Inspection
- Color Contrast Checkers
- Keyboard-only interaction
- Screen readers
- Screen magnifiers

These results reflect the accessibility of a sample set of 11 pages from the Navvia.
The sample set of 11 pages that were evaluated includes:

Webpages:

- Login
- Change Password
- My Navvia - Home
- Projects & Question Sets
- New Projects
- Import Data
- Diagram Builder
- Assessment Page
- Questions
- Edit Answers
- Dashboard

Applicable Standards/Guidelines

This report covers the degree of conformance with the following accessibility standards/guidelines:

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: Applicable for a sample set of 11 pages from Navvia.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.1.1 Non-text Content</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	<p>Most informative and functional images have accurate alternative text. Exceptions include:</p> <ol style="list-style-type: none"> 1. Multiple Pages: Incomplete alternate text “Navvia” is provided for the logo image. 2. Assessment: Alternative text is not specified for the “Navvia:Pen” image.
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Prerecorded multimedia content is not present.
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Prerecorded multimedia content is not present.
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Prerecorded multimedia content is not present.
<p><u>1.3.1 Info and Relationships</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	<p>Most of the headings are defined accurately to represent the content’s structure. Some headings are not defined to represent the content structure. Some relational items are not grouped using list markup. Some radio buttons are not grouped programmatically. Explicit association is missing between labels and form controls on some pages. An instance of incorrect table structure is found. Labels are not programmatically defined for input fields, expand /collapse buttons, and checkboxes.</p>

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.3.2 Meaningful Sequence</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	The correct sequence of elements can be programmatically determined.
<p><u>1.3.3 Sensory Characteristics</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Important instructions to access the content are not presented using sensory characteristics, such as size, shape, sound, and so on.
<p><u>1.4.1 Use of Color</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	<p>For the most part, color is not used as the visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element on most of the pages. Exceptions include:</p> <ol style="list-style-type: none"> 1. Dashboard: Color alone is used to convey information about the project's progress. 2. Multiple pages: Color is used to indicate selected links.
<p><u>1.4.2 Audio Control</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Audio content that plays automatically is not present.
<p><u>2.1.1 Keyboard</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	<p>Most of the interactive elements are keyboard operable.</p> <p>Some interactive elements, such as tooltips, calendar widget, sub-menu links, and text editor functionality cannot be operated by keyboard alone.</p>
<p><u>2.1.2 No Keyboard Trap</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	<p>For the most part, keyboard focus does not get trapped at any point and can easily navigate between different interactive elements. Exceptions include:</p> <ol style="list-style-type: none"> 1. Diagram Builder: Cannot tab out of the editable area in Detect & Record.
<p><u>2.2.1 Timing Adjustable</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) 	Does Not Support	User session expires automatically on all pages without any mechanism to extend the time limit.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 504.2 (Authoring Tool) 602.3 (Support Docs) 		
<p>2.2.2 Pause, Stop, Hide (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Not Applicable	Moving, blinking, and auto-updating content is not present.
<p>2.3.1 Three Flashes or Below Threshold (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Not Applicable	Flickering and flashing content is not present.
<p>2.4.1 Bypass Blocks (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 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 	Does Not Support	There is no mechanism to bypass repeated blocks of content, such as the page header.
<p>2.4.2 Page Titled (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Descriptive titles are specified for all the pages.
<p>2.4.3 Focus Order (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	For the most part, keyboard users can navigate between different elements in a meaningful and sequential order. Some instances of focus moving inappropriately are found.
<p>2.4.4 Link Purpose (In Context) (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	Most of the links have unique and descriptive text that helps users understand their destination target. Some instances of missing and identical link text are found.
<p>3.1.1 Language of Page (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	The primary language is defined programmatically for most of the pages, except for several, such as the Login page.

Criteria	Conformance Level	Remarks and Explanations
<p>3.2.1 On Focus (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	When components receive focus, it does not initiate a change of context.
<p>3.2.2 On Input (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	When a user inputs data or activates controls, this does not initiate a change of context.
<p>3.3.1 Error Identification (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	Error or feedback messages are defined programmatically. Although, a few instances of error messages difficult to locate are found on "Login", "Change Password" and " New Projects" pages.
<p>3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	For the most part, labels are programmatically defined for the form controls, except for some of the input fields (Refer to success criteria: 1.3.1). Several instances of mandatory fields not identified were found, including on the "New Projects" page.
<p>4.1.1 Parsing (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	For the most part, pages are well-formed as per HTML specifications. However, several instances of incorrectly nested elements and elements with duplicate IDs were found.
<p>4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	Most of the custom controls have their name, role and value defined programmatically. The role, state and properties are either not defined or defined inappropriately for some user interface controls, including: Dynamically updating content, calendar widget, modal dialog, tooltip, link, button, text editor.

Table 2: Success Criteria, Level AA

Notes: Applicable for a sample set of 11 pages from Navvia.

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.4 Captions (Live) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Live multimedia content is not present.
<p>1.2.5 Audio Description (Prerecorded) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Prerecorded multimedia content is not present.
<p>1.4.3 Contrast (Minimum) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	Some text does not meet contrast ratio requirements.
<p>1.4.4 Resize text (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	For the most part, text can be resized up to 200 percent without loss of content or functionality. On some pages, the content is not available or gets cut off.
<p>1.4.5 Images of Text (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Plain text is used to present information rather than images of text.
<p>2.4.5 Multiple Ways (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 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 	Does Not Support	Multiple ways are not available for users to locate the required content.
<p>2.4.6 Headings and Labels (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	Most of the heading text and form control labels are unique and descriptive. Some pages have identical labels for buttons.

Criteria	Conformance Level	Remarks and Explanations
<p>2.4.7 Focus Visible (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially Supports	Most interactive elements have a visual indicator when focused. However, a focus indicator is not visible for some elements, such as filter buttons.
<p>3.1.2 Language of Parts (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	All content is in the same language.
<p>3.2.3 Consistent Navigation (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 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 	Supports	Site navigation links are presented in the relative same order on each page of the site.
<p>3.2.4 Consistent Identification (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 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 	Supports	Elements with identical functionality are identified consistently.
<p>3.3.3 Error Suggestion (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Error messages for form fields are descriptive.
<p>3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not Applicable	Use of the site does not cause any legal commitments or financial transactions to occur.

Table 3: Success Criteria, Level AAA

Notes: Not Evaluated.

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Notes: Applicable for a sample set of 11 pages from Navvia.

Chapter 3: [Functional Performance Criteria](#) (FPC)

Notes: Applicable for a sample set of 11 pages from Navvia.

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	The site allows users without vision to use screen readers to interact with user interface elements of the website. Some components misidentify name, role, or state as disclosed in Table 1: 1.1.1, 1.3.1, 2.1.1, 2.1.2, 2.2.1, 2.4.3, 2.4.4, 3.1.1, 3.3.1, 3.3.2, 4.1.2 and Table 2: 2.4.5, 2.4.6.
302.2 With Limited Vision	Partially Supports	The site allows users with limited vision to access most of the interface elements. Some challenges may occur, as disclosed in Table 1: 1.4.1, 2.1.1, 2.1.2, 2.2.1, 2.4.3 and Table 2: 1.4.3, 1.4.4, 2.4.5, 2.4.7.
302.3 Without Perception of Color	Partially Supports	The site allows users without perception of color to access most of the content and functionality of the website. Some challenges relating to color and contrast were found, as disclosed in Table 1: 1.4.1 and Table 2: 1.4.3.
302.4 Without Hearing	Not Applicable	The site does not have any multimedia content.
302.5 With Limited Hearing	Not Applicable	The site does not have any multimedia content.
302.6 Without Speech	Not Applicable	The site does not make use of speech input.
302.7 With Limited Manipulation	Partially Supports	The site can be operated by users with limited manipulation, though, some challenges may occur as disclosed in Table 1: 1.3.1, 2.1.1, 2.1.2, 2.2.1, 2.4.3 and Table 2: 2.4.7.
302.8 With Limited Reach and Strength	Partially Supports	The site can be operated by users with limited reach and strength, although some challenges may occur, as disclosed in Table 1: 1.3.1, 2.1.1, 2.1.2, 2.2.1, 2.4.3 and Table 2: 2.4.7.
302.9 With Limited Language, Cognitive, and Learning Abilities	Partially Supports	The site can be accessed by people with limited language, cognitive, and learning abilities. A few challenges may

Criteria	Conformance Level	Remarks and Explanations
		occur, as disclosed in Table 1: 1.3.1, 2.1.2, 2.2.1, 2.4.2, 2.4.4, 3.3.1 and 3.3.2 and Table 2: 2.4.5.

Chapter 4: [Hardware](#)

Notes: Navvia is not a hardware and thus, all the requirements of this section are not applicable.

Chapter 5: [Software](#)

Notes: Navvia is not software and thus, all the requirements of this section are not applicable.

Chapter 6: [Support Documentation and Services](#)

Notes: Support documentation and services of Navvia are not a part of the accessibility review.

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	Does Not Support	There is no section dedicated to information on accessibility and features related to compatibility with assistive technologies.
602.3 Electronic Support Documentation	See WCAG 2.1 section	See information in WCAG 2.1 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	All support documentation is available online.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Does Not Support	There is no section dedicated to information on accessibility and features related to compatibility with assistive technologies.
603.3 Accommodation of Communication Needs	Supports	Several means of communication are provided for support services, including email and live chat.

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