

# VPAT® Version 2.5 – WCAG 2.1 Accessibility Conformance Report – International Edition

**Product Name:** RoboX

**Product Description:** A web-based robotics learning platform with and WebGL 3D simulation and block-based coding environment.

**Vendor:** Intelitek

**Platform:** Web-based

**Report Date:** February 2026

**Contact Information:** support@intelitek.com

## Applicable Standards

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) / Level AA (Yes)
Web Content Accessibility Guidelines 2.1	Level A (Yes) / Level AA (Yes)
Web Content Accessibility Guidelines 2.2	Level A (Yes) / Level AA (Yes)
Revised Section 508 standards	(Yes)
EN 301 549 Accessibility requirements	(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.

## WCAG 2.x Report

**Table 1: Success Criteria, Level A**

Criteria	Conformance Level	Remarks and Explanations
<b>1.1.1 Non-text Content</b> (Perceivable)	<b>Partially Supports</b>	The coding blocks contain text labels. However, the 3D simulation canvas is purely visual and lacks text alternatives.
<b>1.2.1 Audio-only and Video-only (Prerecorded)</b> (Perceivable)	<b>Not Applicable</b>	
<b>1.2.2 Captions (Prerecorded)</b> (Perceivable)	<b>Not Applicable</b>	
<b>1.2.3 Audio Description or Media Alternative</b> (Perceivable)	<b>Not Applicable</b>	
<b>1.3.1 Info and Relationships</b> (Perceivable)	<b>Partially Supports</b>	The block coding structure conveys logic visually (shapes/nesting) which may not be fully parsed by screen readers.
<b>1.3.2 Meaningful Sequence</b> (Perceivable)	<b>Does Not Support</b>	Block order logic is not exposed to AT.
<b>1.3.3 Sensory Characteristics</b> (Perceivable)	<b>Supports</b>	

Criteria	Conformance Level	Remarks and Explanations
<b>1.4.1 Use of Color</b> (Perceivable)	<b>Supports</b>	Color is not used as the only visual means of conveying information.
<b>1.4.2 Audio Control</b> (Perceivable)	<b>Not Applicable</b>	
<b>2.1.1 Keyboard</b> (Operable)	<b>Does Not Support</b>	<b>Critical Limitation:</b> The primary input method is "Drag and Drop" block programming. There is no text-based code editor fallback.
<b>2.1.2 No Keyboard Trap</b> (Operable)	<b>Supports</b>	Users can navigate into and out of the UI frame without being trapped.
<b>2.1.4 Character Key Shortcuts</b> (Operable)	<b>Supports</b>	
<b>2.2.1 Timing Adjustable</b> (Operable)	<b>Supports</b>	
<b>2.2.2 Pause, Stop, Hide</b> (Operable)	<b>Supports</b>	
<b>2.3.1 Three Flashes or Below Threshold</b> (Operable)	<b>Supports</b>	
<b>2.4.1 Bypass Blocks</b> (Operable)	<b>Supports</b>	The web interface includes "Skip to Content" links.

Criteria	Conformance Level	Remarks and Explanations
2.4.2 Page Titled (Operable)	Supports	
2.4.3 Focus Order (Operable)	Supports	
2.4.4 Link Purpose (In Context) (Operable)	Supports	
2.5.1 Pointer Gestures (Operable)	Does Not Support	Requires dragging.
2.5.2 Pointer Cancellation (Operable)	Supports	
2.5.3 Label in Name (Operable)	Supports	Visible text on buttons matches their accessible name.
2.5.4 Motion Actuation (Operable)	Not Applicable	
3.1.1 Language of Page (Understandable)	Supports	
3.2.1 On Focus (Understandable)	Supports	
3.2.2 On Input (Understandable)	Supports	
3.3.1 Error Identification (Understandable)	Supports	

Criteria	Conformance Level	Remarks and Explanations
<b>3.3.2 Labels or Instructions</b> (Understandable)	<b>Supports</b>	
<b>4.1.1 Parsing</b> (Robust)	<b>Supports</b>	
<b>4.1.2 Name, Role, Value</b> (Robust)	<b>Partially Supports</b>	Standard Web UI supports this; Canvas area does not.

**Table 2: Success Criteria, Level AA**

Criteria	Conformance Level	Remarks and Explanations
<b>1.2.4 Captions (Live)</b> (Perceivable)	<b>Not Applicable</b>	
<b>1.2.5 Audio Description (Prerecorded)</b> (Perceivable)	<b>Not Applicable</b>	
<b>1.3.4 Orientation</b> (Perceivable)	<b>Supports</b>	
<b>1.3.5 Identify Input Purpose</b> (Perceivable)	<b>Supports</b>	
<b>1.4.3 Contrast (Minimum)</b> (Perceivable)	<b>Supports</b>	The web interface (menus, block text) meets the 4.5:1 contrast ratio.
<b>1.4.4 Resize Text</b> (Perceivable)	<b>Supports</b>	Browser zoom supported.

Criteria	Conformance Level	Remarks and Explanations
<b>1.4.5 Images of Text</b> (Perceivable)	<b>Supports</b>	
<b>1.4.10 Reflow</b> (Perceivable)	<b>Supports</b>	The UI is responsive.
<b>1.4.11 Non-text Contrast</b> (Perceivable)	<b>Supports</b>	Block boundaries and UI icons meet the 3:1 contrast requirement.
<b>1.4.12 Text Spacing</b> (Perceivable)	<b>Supports</b>	
<b>1.4.13 Content on Hover or Focus</b> (Perceivable)	<b>Supports</b>	
<b>2.4.5 Multiple Ways</b> (Operable)	<b>Supports</b>	
<b>2.4.6 Headings and Labels</b> (Operable)	<b>Supports</b>	
<b>2.4.7 Focus Visible</b> (Operable)	<b>Partially Supports</b>	Focus is visible on standard HTML controls but not on individual coding blocks within the canvas.
<b>3.1.2 Language of Parts</b> (Understandable)	<b>Supports</b>	
<b>3.2.3 Consistent Navigation</b> (Understandable)	<b>Supports</b>	

Criteria	Conformance Level	Remarks and Explanations
<b>3.2.4 Consistent Identification</b> (Understandable)	<b>Supports</b>	
<b>3.3.3 Error Suggestion</b> (Understandable)	<b>Supports</b>	
<b>3.3.4 Error Prevention</b> (Understandable)	<b>Supports</b>	
<b>4.1.3 Status Messages</b> (Robust)	<b>Supports</b>	

## Revised Section 508 Report

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

Criteria	Conformance Level	Remarks and Explanations
<b>302.1 Without Vision</b>	<b>Does Not Support</b>	The application requires visual verification of the 3D simulation. The block editor is not fully accessible to screen readers.
<b>302.2 With Limited Vision</b>	<b>Supports</b>	Browser zoom supported.
<b>302.3 Without Perception of Color</b>	<b>Supports</b>	
<b>302.4 Without Hearing</b>	<b>Supports</b>	

Criteria	Conformance Level	Remarks and Explanations
302.5 With Limited Hearing	Supports	
302.6 Without Speech	Supports	
302.7 With Limited Manipulation	Does Not Support	Blocks require drag-and-drop.
302.8 With Limited Reach and Strength	Does Not Support	
302.9 Limited Language, Cognitive, and Learning	Supports	The block-based interface is specifically designed to aid users with cognitive load.

#### Chapter 4: Hardware

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality	Not Applicable	Product is web software.
402.1 - 415	Not Applicable	

## Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope - General	Supports	See WCAG 2.x section.
502 Interoperability with Assistive Technology	Does Not Support	The block-based editor utilizes a custom canvas that does not currently expose full accessibility tree data to assistive technology.
502.2.1 - 502.4	Partially Supports	Web app runs in browser.
503 Applications	Supports	
504 Authoring Tools	Not Applicable	

## Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
602 Support Documentation	Supports	Online Help Center (HTML).
603 Support Services	Supports	

## EN 301 549 Report

### Chapter 4: Functional Performance Statements (FPS)

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision	Does Not Support	See Section 508, 302.1.
4.2.2 - 4.2.11	Partially Supports	See Section 508 Chapter 3.

### Chapter 5-13

Criteria	Conformance Level	Remarks and Explanations
5.1 - 13.3	Not Applicable / Supports	See Section 508 for relevant software sections.

## Legal Disclaimer

RoboX relies on visual programming paradigms. Future updates aim to incorporate accessible block navigation.