

Hypothesis Accessibility Conformance Report

VPAT® WCAG Edition Version 2.3 – December 2018

Name of Product/Version: Hypothesis v.1.300

Product Description: A web-based annotation tool

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Notes: Conformance may pertain to later versions also as many Hypothesis releases do not have accessibility effects. While the context of the review was annotating within the Instructure Canvas LMS, the functionality and accessibility issues reviewed pertain to annotation in any LMS context. Because the review took place in Canvas with Hypothesis already embedded and ready to use, it does not address “Getting Started” interactions, which we plan to review in the future. See our [Accessibility](#) page for more information.

Evaluation Methods Used: Testing was conducted by the Inclusive Design Research Centre at OCAD University. Testing was done on the following browsers: Firefox 59, Safari 11, and Chrome 66. Tools used for testing include: NVDA 2017.1 screen reader, VoiceOver screen reader, WebAIM Wave Toolbar, Nu HTML checker, TPG Colour Contrast Analyzer. This updated VPAT reflects development work done to address the issues raised in the initial evaluation conducted by the IDRC.

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 http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1 at https://www.w3.org/TR/WCAG21/	Level A (No) Level AA (No) Level AAA (No)

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.x Report

Note: When reporting on conformance with the WCAG 2.x 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)	Supports	Images have proper text alternatives.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not applicable	Hypothesis does not contain audio-only or video-only content.
1.2.2 Captions (Prerecorded) (Level A)	Not applicable	Hypothesis does not contain audio-visual content.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not applicable	Hypothesis does not contain audio-visual content.
1.3.1 Info and Relationships (Level A)	Supports	Visual information is communicated programmatically, but there are a few remaining linting errors to fix which might trip up some screenreader software.
1.3.2 Meaningful Sequence (Level A)	Supports	The reading order of content is meaningful.
1.3.3 Sensory Characteristics (Level A)	Supports	Instructions do not rely upon visual characteristics or sounds.
1.4.1 Use of Color (Level A)	Partially supports	In addition to a colored highlight, contrast is used to indicate content has been annotated. However that contrast may not be sufficient for some low-vision users, so we will need to improve this.
1.4.2 Audio Control (Level A)	Not applicable	Hypothesis does not contain any automatically playing audio.
2.1.1 Keyboard (Level A)	Supports	We have addressed the issues identified by the IDRC so that sidebar contents can be navigated with a keyboard. It is also possible to create an annotation using the keyboard.
2.1.2 No Keyboard Trap (Level A)	Supports	No keyboard traps observed.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.

2.2.1 Timing Adjustable (Level A)	Partially supports	Hypothesis has not been able to determine whether we are eligible for the “20 hour exception,” because the LMS itself will log a user out long before 20 hours.
2.2.2 Pause, Stop, Hide (Level A)	Not applicable	Hypothesis does not contain any moving, blinking or scrolling content.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	Hypothesis does not contain any flashing content.
2.4.1 Bypass Blocks (Level A)	Not applicable	Repeated navigation is minimal.
2.4.2 Page Titled (Level A)	Not applicable	Only applicable to web pages.
2.4.3 Focus Order (Level A)	Supports	The focus order of elements is logical.
2.4.4 Link Purpose (In Context) (Level A)	Supports	Purpose of links is clear
2.5.1 Pointer Gestures (Level A 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
2.5.3 Label in Name (Level A 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
2.5.4 Motion Actuation (Level A 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
3.1.1 Language of Page (Level A)	Not applicable	Only applicable to full web pages.
3.2.1 On Focus (Level A)	Supports	No changes were observed when elements receive focus.
3.2.2 On Input (Level A)	Supports	No changes were observed when inputs or controls are used.
3.3.1 Error Identification (Level A)	Supports	Error messages are provided.
3.3.2 Labels or Instructions (Level A)	Supports	Labels and instructions are provided.
4.1.1 Parsing (Level A)	Supports	We have fixed the markup validation errors identified by the IDRC.
4.1.2 Name, Role, Value (Level A)	Supports	All elements have roles, states, and properties.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not applicable	Hypothesis does not contain audio-visual content.

1.2.5 Audio Description (Prerecorded) (Level AA)	Not applicable	Hypothesis does not contain audio-visual content.
1.3.4 Orientation (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
1.4.3 Contrast (Minimum) (Level AA)	Supports	Sufficient contrast is present.
1.4.4 Resize text (Level AA)	Supports	The issue flagged by the IDRC occurs when the user resizes with the browser zoom function rather than the PDF zoom function. Content resizes appropriately when the correct controls are used.
1.4.5 Images of Text (Level AA)	Supports	Hypothesis does not contain images of text.
1.4.10 Reflow (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
1.4.12 Text Spacing (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.
2.4.5 Multiple Ways (Level AA)	Not applicable	Although this criterion applies to entire websites, it is possible to find content through both navigation (annotation categories), and a search function.
2.4.6 Headings and Labels (Level AA)	Supports	The text of headings and labels is clear and descriptive.
2.4.7 Focus Visible (Level AA)	Supports	All keyboard operable UI elements have visible keyboard focus.
3.1.2 Language of Parts (Level AA)	Not evaluated	Hypothesis was only evaluated in English.
3.2.3 Consistent Navigation (Level AA)	Not applicable	Only applicable to multi-page websites.
3.2.4 Consistent Identification (Level AA)	Supports	Components that serve the same function are identified consistently.
3.3.3 Error Suggestion (Level AA)	Supports	Error details given.

3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not applicable	No legal, financial or sensitive data required from users.
4.1.3 Status Messages (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criteria were not evaluated.

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.2.9 Audio-only (Live) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.3.6 Identify Purpose (Level AAA 2.1 only)	Not evaluated	AAA level criteria were not evaluated
1.4.6 Contrast Enhanced (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.4.7 Low or No Background Audio (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.4.8 Visual Presentation (Level AAA)	Not evaluated	AAA level criteria were not evaluated
1.4.9 Images of Text (No Exception) Control (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.1.3 Keyboard (No Exception) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.2.3 No Timing (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.2.4 Interruptions (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.2.5 Re-authenticating (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.2.6 Timeouts (Level AAA 2.1 only)	Not evaluated	AAA level criteria were not evaluated
2.3.2 Three Flashes (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.3.3 Animation from Interactions (Level AAA 2.1 only)	Not evaluated	AAA level criteria were not evaluated
2.4.8 Location (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.4.9 Link Purpose (Link Only) (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.4.10 Section Headings (Level AAA)	Not evaluated	AAA level criteria were not evaluated
2.5.5 Target Size (Level AAA 2.1 only)	Not evaluated	AAA level criteria were not evaluated

2.5.6 Concurrent Input Mechanisms (Level AAA 2.1 only)	Not evaluated	AAA level criteria were not evaluated
3.1.3 Unusual Words (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.1.4 Abbreviations (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.1.5 Reading Level (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.1.6 Pronunciation (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.2.5 Change on Request (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.3.5 Help (Level AAA)	Not evaluated	AAA level criteria were not evaluated
3.3.6 Error Prevention (All) (Level AAA)	Not evaluated	AAA level criteria were not evaluated

Legal Disclaimer

The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding compliance with applicable accessibility requirements. Such a determination is the sole responsibility of organizations deploying this technology and their users.