



Pearson Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: ABBI

Report Date: 03/22/2022

Product Description: ABBI is a web-based item banking and assessment building system for K-12 education interim and high-stakes assessments. ABBI allows the creation, import, and review of exam item assets; test construction; and test review. When testing is complete, ABBI can be used to import and review item and form statistics.

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Notes: This report documents the accessibility conformance as of the date of this report.

Evaluation Methods Used: Evaluations were conducted by trained Accessibility Quality Assurance Engineers and included both automated and manual testing. Quality Assurance Engineers who are native users of blindness technologies participated in the

evaluation. Current testing was conducted on Windows 10 on Chrome browser version 86. Assistive technology used during the evaluation included JAWS 2020 and a refreshable braille display.

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) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) 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 2.1 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

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	ABBI supports text alternatives for non-text content, including controls, input, sensory content, and images. Exceptions: Some exam items have images with nonspecific or no alternative text. Some exam items have equations that are not being read nor have alternative text. Graphs do not have alternative text.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	There is no video or audio only content in ABBI. User added videos or audio may include captions which would be available when previewing in TestNav8.
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	There are no videos in ABBI that require captions.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	There are no pre-recorded, audio-described videos in ABBI.

Criteria	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships (Level A)	Partially Supports	<p>ABBI uses a logical structure where information and relationships can be programmatically determined or are available in text.</p> <p>Exceptions:</p> <p>Some table headings are not present in informative tables.</p> <p>Terms of Use text is not formatted.</p> <p>Headings have a non-standard structure, and on some pages are missing entirely.</p> <p>Password Assistance and Terms of Use modals have no heading.</p> <p>Statistics flags content is presented in a decorative table.</p> <p>Pressing spacebar on the Terms of Use “I accept” button causes the modal to close and focus to move unexpectedly.</p> <p>On the home screen, the check mark (review) button is inside a link.</p> <p>Values in the Customized Search Result’s Available and Display columns are announced as plain text instead of checkboxes or interactive items.</p> <p>Initial state of collapsible buttons is not reported to screen reader users.</p> <p>Elements that should be encoded as buttons are encoded differently.</p>
1.3.2 Meaningful Sequence (Level A)	Supports	<p>ABBI presents content in a meaningful order.</p>
1.3.3 Sensory Characteristics (Level A)	Supports	<p>ABBI does not rely on sensory information alone to convey meaning.</p>
1.4.1 Use of Color (Level A)	Partially Supports	<p>ABBI does not rely only on color coding alone to convey information.</p> <p>Exceptions:</p> <p>The Response Correlation Bar Chart uses color only to convey information.</p> <p>Only color is used to indicate filter and sorting arrows in the Asset List.</p>

Criteria	Conformance Level	Remarks and Explanations
1.4.2 Audio Control (Level A)	Not Applicable	There are no pre-recorded audio or videos with audio in ABBI.
2.1.1 Keyboard (Level A)	Partially Supports	Core system functionality (edit fields, buttons, links, navigation controls) can be accessed using the keyboard. Exceptions: List menu items are not accessible to the keyboard only user. All graphs have information triggered on hover that is not available to keyboard users. In the Item Review Stats tab, keyboard users cannot access the data table or toggle between charts because the radio buttons do not trigger action when selected with the Enter key. There is also no visual focus indicator for the radio buttons. See 2.4.7 Focus Visible (Level AA) for more information.
2.1.2 No Keyboard Trap (Level A)	Supports	There are no keyboard traps in ABBI.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Not Applicable	ABBI does not require this capability for operation.
2.2.1 Timing Adjustable (Level A)	Not Applicable	ABBI does not have any timed activities that require additional time.
2.2.2 Pause, Stop, Hide (Level A)	Supports	ABBI does not use moving or blinking content.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	ABBI does not use flashing content.
2.4.1 Bypass Blocks (Level A)	Supports	ABBI provides “skip to” content links and content is contained within landmark regions.
2.4.2 Page Titled (Level A)	Supports	ABBI uses clear and meaningful page titles.
2.4.3 Focus Order (Level A)	Does Not Support	Many elements across the platform are not in tab focus order. For example: The user is able to access page content behind the Terms of Use modal.

Criteria	Conformance Level	Remarks and Explanations
2.4.4 Link Purpose (In Context) (Level A)	Partially Supports	<p>ABBI uses meaningful link names.</p> <p>Exceptions:</p> <p>On the home page, a large Sunburst graph is not accessible to screen reader users. Sections are links with labels that are not meaningful, and the panel is not in focus order.</p> <p>The Login and home screens have links with the link text "Learn More."</p> <p>Pagination labels are not meaningful.</p> <p>An exam item contains a glossary item that is not read by screen readers.</p>
2.5.1 Pointer Gestures (Level A 2.1 only)	Not Applicable	ABBI does not require users to make specific finger or cursor gestures.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Not Applicable	ABBI does not activate functions on the down-click or down-tap.
2.5.3 Label in Name (Level A 2.1 only)	Supports	All occurrences of programmatic labels for elements match with the label that the user sees.
2.5.4 Motion Actuation (Level A 2.1 only)	Not Applicable	ABBI does not utilize any motion interactions.
3.1.1 Language of Page (Level A)	Supports	ABBI uses language attributes.
3.2.1 On Focus (Level A)	Supports	Elements in ABBI do not change context on focus.
3.2.2 On Input (Level A)	Does Not Support	<p>Changing the setting of many user interface components automatically causes a change of context.</p> <p>For example:</p> <p>In Customize Search Results, when a user moves a value between the Available Column list and the Display Column list using the Add and Remove buttons, screen reader focus moves to the top of the screen.</p> <p>Pressing spacebar on the "I accept" checkbox in the Terms of Use modal causes the modal to close and screen reader focus moves unexpectedly to the top of the page.</p>

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A)	Does Not Support	Error messages are not identified by assistive technology. For example: When entering an invalid password, “Authenticating” is announced by the screen reader, but no alert is provided when an invalid login is detected.
3.3.2 Labels or Instructions (Level A)	Partially Supports	Input fields are clearly labeled, and clear instructions are given for user input. Exceptions: Combo boxes in the Asset List table have no label. In the Item Stats review radio buttons are not labeled and not recognized by screen readers. The Terms of Use accept checkbox lacks a clear label. There is no label for the language dropdown list. The sunburst section lacks clear instructions and is difficult to use.
4.1.1 Parsing (Level A)	Partially Supports	ABBI conforms to proper markup semantics. Exceptions: In the Asset List Table there is a duplicate hidden table header row. In the Asset List Customize Search Results, entering values causes screen readers to announce every character typed twice.

Criteria	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value (Level A)	Does Not Support	<p>Name, role, and value of interface elements are not consistently available to assistive technology.</p> <p>For example:</p> <p>Metadata expand/collapse buttons are not announced by the screen reader.</p> <p>On the Login screen, the screen reader does not announce the language list combo box as expanded or collapsed.</p> <p>Asset List is announced as a button, not a list.</p> <p>In the Asset List, the list items in Choose Item Filter are not announced by screen readers.</p> <p>All links are announced as visited.</p> <p>The Review and Search by UIN buttons are announced as clickable lists.</p> <p>In Customize Search Results, the columns expand/collapse button is always announced as expanded regardless of the visual state.</p> <p>Download CSV is styled as a button but marked up as a link.</p>

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	There is no live media used within ABBI.
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	There is no video content in ABBI that requires audio descriptions.
1.3.4 Orientation (Level AA 2.1 only)	Supports	Content is not restricted to any mobile display orientations.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Partially Supports	<p>ABBI allows autocomplete to simplify the user input process where it is applicable.</p> <p>Exception:</p> <p>In the Asset List Search Results, the customize column has auto complete as a feature, but the list of suggestions is not keyboard accessible.</p>

Criteria	Conformance Level	Remarks and Explanations
1.4.3 Contrast (Minimum) (Level AA)	Does Not Support	ABBI interface text does not meet minimum color contrast ratio against its background color.
1.4.4 Resize text (Level AA)	Supports	ABBI supports zooming content without loss of content or function.
1.4.5 Images of Text (Level AA)	Supports	ABBI does not use images of text to convey information to the user.
1.4.10 Reflow (Level AA 2.1 only)	Supports	Content in ABBI can be presented without loss of information or functionality and without requiring scrolling in two dimensions.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Does Not Support	Visual elements of user interface components and informational graphical objects do not meet the minimum contrast required. For example: Arrow and question mark icons in Customize Search Results do not meet color contrast minimum. Contrast on Asset List ascending/descending filter arrows do not meet color contrast minimum.
1.4.12 Text Spacing (Level AA 2.1 only)	Supports	ABBI content uses adequate text spacing.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Supports	Pop-up content does not prevent user access to other page content, and users have adequate access to pop-up content.
2.4.5 Multiple Ways (Level AA)	Supports	ABBI provides multiple ways to reach a page.
2.4.6 Headings and Labels (Level AA)	Supports	Page headings and labels are meaningful.
2.4.7 Focus Visible (Level AA)	Does Not Support	Keyboard focus is inconsistent and missing in many places.
3.1.2 Language of Parts (Level AA)	Supports	ABBI uses language attributes where applicable.
3.2.3 Consistent Navigation (Level AA)	Supports	ABBI uses consistent menu navigation across the application.
3.2.4 Consistent Identification (Level AA)	Supports	ABBI uses icons and buttons consistently across the application.
3.3.3 Error Suggestion (Level AA)	Supports	ABBI suggests fixes when users make errors.

Criteria	Conformance Level	Remarks and Explanations
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	ABBI reduces the risk of input error and provides messaging where users can check their answers before saving the data.
4.1.3 Status Messages (Level AA 2.1 only)	Does Not Support	Status messages and dynamic page content are not communicated to screen reader users.

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