

Sakai Voluntary Product Accessibility Template (VPAT)

The Voluntary Product Accessibility Template (VPAT) is a self-disclosing document that explains how accessible a particular product is according to the [Revised 508 Standards](#) and [WCAG 2.0](#).

Sakai Accessibility Conformance Report

VPAT® Version 2.3 (Revised) - April 2019

Name of Product/Version: Sakai 19

Product Description: Collaboration and Learning Environment (CLE) software

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Contact Information:

- Tiffany Stull, tls6u@virginia.edu
- Joshua Wilson, wilson@longsight.com

Tools Tested

Sakai is composed of an extensive set of tools and core functionality. The following areas were extensively tested:

- Overall interface or "Portal"
- *Tests and Quizzes* tool
- *Gradebook* tool
- *Rubrics* tool
- Profile interface

Note that untested tools may have unidentified accessibility issues.

This product contains the "External Tool (LTI)" which allows an institution to integrate certain outside tools into the technology. This evaluation does not cover any outside tools that may be added by institutions or end users.

Additionally, content can be generated and uploaded by users. It is the responsibility of the user to ensure any content they generate or upload is accessible. Accessible content creation is encouraged through the inclusion of alt text fields, heading options and other tools. Some best practices for creating accessible content are also provided in support documentation.

Evaluation Methods Used

Testing with assistive technologies

The information contained within this Voluntary Product Accessibility Template (VPAT) is a result of an audit performed by an independent contractor during July-October, 2019. This assessment fully tested the compliance of the web-based CLE software with the WCAG 2.0 A and AA and Section 508 standards. This audit included, but was not limited to: automated testing with multiple accessibility tools such as aXe and Site Improve, as well as manual testing with leading assistive technologies such as JAWS screen reader, VoiceOver screen reader, Windows Magnifier screen magnification software and keyboard-only navigation.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

- [Web Content Accessibility Guidelines 2.0](#) (Level A: Yes; Level AA: Yes; Level AAA: No)
- [Web Content Accessibility Guidelines 2.1](#) (Level A: No; Level AA: No; Level AAA: No)

For each guideline in the WCAG 2.0 standard, there are testable success criteria, which are at [three levels: A, AA, and AAA](#).

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.

Legal Disclaimer (Sakai)

Compliance to Section 508 (and the stated goal of meeting WCAG 2.0 A & AA Success Criteria) varies from tool to tool, and to a certain extent depends on how tools are configured.

Much of a user's experience - and how accessible Sakai feels to that user - will be determined by the content added to it, so a site with good accessibility will also require some forethought on the part of an instructor or designer.

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

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content	Partially Supports	This criterion is supported with the exception of very few instances of missing alt text or discernible text in the application and a few incorrect IDs in the code.
1.2.1 Audio-only and Video-only (Prerecorded)	Not Applicable	Neither audio nor video are included in the product.
1.2.2 Captions (Prerecorded)	Not Applicable	Neither audio nor video are included in the product.
1.2.3 Audio Description or Media Alternative (Prerecorded)	Not Applicable	Neither audio nor video are included in the product.
1.3.1 Info and Relationships	Partially Supports	Most of the application supports this criterion, however certain tools including the <i>Gradebook</i> and <i>Tests & Quizzes</i> do not support this criterion as most form fields are lacking labels.
1.3.2 Meaningful Sequence	Supports	When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.
1.3.3 Sensory Characteristics	Supports	Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound.
1.4.1 Use of Color	Supports	Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
1.4.2 Audio Control	Supports	The product does not contain audio set to autoplay. Users who add audio content can set the audio to "don't autoplay."
2.1.1 Keyboard	Partially Supports	Overall, the application supports this criterion, however, there are small pieces of functionality throughout that are difficult to use with the keyboard. The <i>Gradebook</i> and <i>Tests & Quizzes</i> show significant difficulty for keyboard users.
2.1.2 No Keyboard Trap	Supports	If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.
2.1.4 Character Key Shortcuts	Not Evaluated	Product not tested for 2.1 criteria.
2.2.1 Timing Adjustable	Supports	Tool allows author to adjust timing of content. Timed elements are only in use if an instructor has designed their content to be timed. Instructors can opt to avoid including timed elements.
2.2.2 Pause, Stop, Hide	Supports	Product does not contain moving, blinking, scrolling, or auto-updating information unless added by a user.
2.3.1 Three Flashes or Below Threshold	Supports	Web pages do not contain anything that flashes more than three times in any one second period unless added by a user.

2.4.1 Bypass Blocks	Partially Supports	Application contains multiple bypass links with multiple methods of activation, however not all methods are currently working as described. At least one method of activation is working on all bypass links.
2.4.2 Page Titled	Supports	Web pages have titles that describe topic or purpose.
2.4.3 Focus Order	Partially Supports	Overall, the application supports this criterion, however, there are a few areas, such as modal windows, where focus order is somewhat unexpected.
2.4.4 Link Purpose (In Context)	Partially Supports	Overall, the application supports this criterion, however, there are a handful of links scattered throughout which lack discernible text.
2.5.1 Pointer Gestures	Not Evaluated	Product not tested for 2.1 criteria.
2.5.2 Pointer Cancellation	Not Evaluated	Product not tested for 2.1 criteria.
2.5.3 Label in Name	Not Evaluated	Product not tested for 2.1 criteria.
2.5.4 Motion Actuation	Not Evaluated	Product not tested for 2.1 criteria.
3.1.1 Language of Page	Supports	Human language of pages can be programmatically determined.
3.2.1 On Focus	Supports	When any component receives focus, it does not initiate a change of context.
3.2.2 On Input	Partially Supports	Overall, the application supports this criterion, however, there are a handful of form elements which lack submit.
3.3.1 Error Identification	Supports	If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.
3.3.2 Labels or Instructions	Partially Supports	Most of the application supports this criteria, however certain tools including the <i>Gradebook</i> and <i>Tests & Quizzes</i> do not support this criterion as most form fields are lacking labels.
4.1.1 Parsing	Partially Supports	Overall, the application supports this criterion, however, there are a handful of duplicate IDs in the code.
4.1.2 Name, Role, Value	Partially Supports	Overall, the application supports this criterion, however, there are a few misused ARIA attributes, some missing ARIA states, and a few links are lacking discernible text. Many links in the <i>Gradebook</i> are lacking discernible text.

Table 2: Success Criteria, Level AA

Note: Neither audio nor video are included in the product.

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live)	Not Applicable	Neither audio nor video are included in the product.
1.2.5 Audio Description (Prerecorded)	Not Applicable	Neither audio nor video are included in the product.
1.3.4 Orientation	Not Evaluated	Product not tested for 2.1 criteria.
1.3.5 Identify Input Purpose	Not Evaluated	Product not tested for 2.1 criteria.
1.4.3 Contrast (Minimum)	Partially Supports	There are very few instances of insufficient contrast in the application.

1.4.4 Resize text	Supports	Text can be resized without assistive technology up to 200 percent without loss of content or functionality.
1.4.5 Images of Text	Supports	Text is used to convey information rather than images of text except for essential elements (logos).
1.4.10 Reflow	Not Evaluated	Product not tested for 2.1 criteria.
1.4.11 Not-text Contrast	Not Evaluated	Product not tested for 2.1 criteria.
1.4.12 Text Spacing	Not Evaluated	Product not tested for 2.1 criteria.
1.4.13 Content on Hover or Focus	Not Evaluated	Product not tested for 2.1 criteria.
2.4.5 Multiple Ways	Supports	More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.
2.4.6 Headings and Labels	Supports	Headings and labels describe topic or purpose.
2.4.7 Focus Visible	Partially Supports	Overall, the application supports this criterion, however, there are issues with visual focus in the <i>Grade book</i> when a user tries to grade a rubric. This criterion is supported for student users.
3.1.2 Language of Parts	Supports	Human language of passages or phrases can be programmatically determined.
3.2.3 Consisten t Navigation	Supports	Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.
3.2.4 Consisten t Identificat ion	Supports	Components that have the same functionality within a set of Web pages are identified consistently.
3.3.3 Error Suggestion	Partially Supports	Some errors provide insufficient feedback.
3.3.4 Error Preventio n (Legal, Financial, Data)	Supports	Regarding <i>Tests and Quizzes</i> : Submissions are not reversible. Once a quiz has been submitted, only the instructor can delete the original submission and/or allow a retake. Data entered by the user is not checked for input errors. A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission. Students are prompted to confirm that they are ready to submit the assessment for grading prior to submission.
4.1.3 Status Messages	Not Evaluated	Product not tested for 2.1 criteria.

Table 1: Success Criteria, Level A

Notes: Not Evaluated - removed.

Report

You can download a copy of the report here:



VPAT2.3RevWCAG-...akai2019-v2.pdf