Sakai 23 Accessibility Conformance Report

International Edition

(Based on VPAT® Version 2.5)

Name of Product/Version: Sakai LMS / Sakai 23.x

Report Date: December 2024

Product Description: Open Source Learning Management System which uses the Educational Community License software distribution model.

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Notes:

This product contains an External Tool feature and supports the latest LTI (Learning Tool Interoperability) standards which allows adopting institutions to integrate various third-party tools into the technology. This evaluation does not cover any third-party LTI tools that may be added by institutions or end users. Additionally, end users are responsible for ensuring that any content that they generate or upload is accessible. Accessible content creation is encouraged through the use of alt text fields, descriptive labels for URLs when embedding links, and other standard tools/features. Institutions also have the option of

installing a third-party "Accessibility Checker" add-on for CK Editor, so their end users can easily inspect, and make "quick fixes" to content created in the Rich Text Editor. Information about these tools, and similar accessibility best practices are referenced in support documentation.

Evaluation Methods Used:

For the Sakai 23 VPAT we chose to use VPAT® Version 2.5 INTL which incorporates the latest WCAG 2.2 AA guidelines.

VPAT and HECVAT are a partial solution to the problem of determining what competing products show better compliance with standards. They are also good instruments for planning how to equitably roll out an adoption with full understanding of the compliance gaps of the chosen product.

But standard compliance information cannot tell the whole story. It is a snapshot in time that does not speak to the culture of the vendor, where the product has been, and more importantly, where it is going. We have deliberately kept our VPAT succinct and clear to allow you the time to review the supplemental information about our accessibility strategy available on our web site at: https://www.sakailms.org/accessibility/accessibility-strategy

Sakai 23 features a completely redesigned, new and improved user interface. This cleaner, more modern UI is a result of a large-scale effort to update to the Bootstrap 5 CSS library & component framework. Specifically, the Sakai developers have continued to refer to the Bootstrap documentation when coding the new UI, since it contains examples that help to demonstrate best practices with regards to the use of aria attributes. Also, Sakai 23 represents the heaviest usage of the Bootstrap interactive components to date, which should continue to pay dividends from an accessibility standpoint, since these components have been designed to work with multiple different types of interfaces and rely on relevant WAI-ARIA roles and attributes to ensure they are rendered understandable and operable for different types of assistive technologies such as screen readers.

In an effort to simulate the types of common use cases experienced by Sakai adopting institutions, extensive testing was performed across 29 different Sakai tools/features, including Sakai Plus, a new tool available in Sakai 23 that uses LTI (Learning Tool Interoperability) standards, allowing institutions to run an instance of Sakai over top of their enterprise LMS. A majority of this testing consisted of keyboard/screen reader testing performed by actual individuals with disabilities, including a team of blind/low-vision testers who worked through our accessibility test script using four different screen reader/web browser combinations, including testing with Voiceover+Safari for the first time. All told, a total of 5,096 test cases were performed, which is a 179% increase from the user testing that was performed on Sakai 22. In addition, we utilized two different automated test tools to scan for potential accessibility issues, and in a few cases, leveraged sighted members of the Sakai QA team to perform manual testing on certain WCAG success criteria which were visual in nature.

The specific results of our testing and analysis, including the designated conformance level and any explanation/remarks for each WCAG success criteria, can be found in the table portion of this report.

For detailed information about our community-sourced approach to the Sakai 23 testing/VPAT, visit the "Evaluation Methods Used" section of our "Sakai Accessibility Strategy" page at: https://www.sakailms.org/accessibility/accessibility-strategy

As detailed in the table portion of this report, Sakai 23 either "supports" or "partially supports" all WCAG 2.2 AA Success Criteria. There are only a handful of known deficiencies that don't currently have suitable work arounds that could present obstacles to certain individuals with disabilities/users of assistive technology. These include:

- In the Tests & Quizzes tool, "Hot Spot"-type questions are inaccessible for keyboard/screen reader users.
- In the Lessons tool, keyboard/screen reader users are not able to "Reorder" items using the keyboard.
- In the Profile tool, the "Message" option has a recipient/auto suggestion feature that is not screen reader compatible.
- The NVDA screen reader is not able to access the "Character/Word Count" feature in the free version of CK Editor currently being used in Sakai.

Accessibility Roadmap: Ongoing Support & Planned Enhancements

The Sakai community is committed to ensuring all core features of the Sakai project are accessible and usable by the greatest number of potential users, including individuals with disabilities. As part of our commitment to continuous improvement, Sakai has implemented a technical roadmap that will aim to:

- Continue to perform routine tests to check for regressions, including use of automated test tools to identify defects in the code and leveraging individuals with disabilities to conduct accessibility-specific user testing.
- For any accessibility-specific bugs that are identified/reported, these issues will continue to be given priority status and escalated like other "blocker"-level issues in the cue to ensure prompt attention/resolution.
- As for any updates/enhancements/new features introduced into future releases—these changes will be back-ported/merged back into Sakai 23 whenever it is possible to do so.
- Sakai 25 (our next major release) will feature a new and improved Gradebook tool. While still only a prototype, keyboard/screen reader testing for accessibility is ongoing so additional improvements can be made to the tool prior to it going into production.
- Further improvements in Sakai 25 will include a new Meetings tool with Microsoft Teams integration. The commercial affiliate who has been developing this new feature had the Sakai Accessibility Team begin performing Preliminary keyboard/screen reader testing on a U.I. mock-up of the tool during early stages of its development.
- In terms of the accessibility testing for Sakai 25, in addition to the new Meetings tool, the Sakai Accessibility Team also plans to perform extensive user testing on the Messages and Sign-up tools, bringing our total to 32 different tools/features that are tested.
- For Sakai 25, we will once again test using four different screen reader and web browser combinations, including JAWS+Chrome, JAWS+Edge, NVDA+Firefox, and Voiceover+Safari.

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 – Not Evaluated
Web Content Accessibility Guidelines 2.1	Level A – Yes Level AA - Yes Level AAA – Not Evaluated
Web Content Accessibility Guidelines 2.2	Level A – Yes Level AA - Yes Level AAA – Not Evaluated
Revised Section 508 standards published January 18, 2017, and corrected January 22, 2018	Yes
EN 301 549 Accessibility requirements for ICT products and services - V3.1.1 (2019-11) *AND* EN 301 549 Accessibility requirements for ICT products and services - V3.2.1 (2021-03)	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 only be used in WCAG Level AAA criteria.

WCAG 2.x Report

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 - Web, Sections 10.1-10.4 of Chapter 10 - Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 - Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 – Documentation
- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

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) Also applies to: EN 301 549 Criteria • 9.1.1.1 (Web) • 10.1.1.1 (Non-web document) • 11.1.1.1.1 (Open Functionality Software) • 11.1.1.1.2 (Closed Functionality Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	This criterion is mostly supported, except for a few isolated cases where there are images with missing alternative text. Some examples of the tools/features where this affects instructors include: • Dashboard • Gradebook • Lessons • Statistics • Test & Quizzes One example of a student facing instance is the Profile tool. It is up to the student to provide meaningful alternative text for their profile photos.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.1 (Web) • 10.1.2.1 (Non-web document) • 11.1.2.1.1 (Open Functionality Software) • 11.1.2.1.2.1 and 11.1.2.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	This criterion is not applicable. There are no instances of audio only and video only content, unless specifically added by users. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can I make videos and audio files more accessible?"
1.2.2 Captions (Prerecorded) (Level A) Also applies to:	Not Applicable	This criterion is not applicable. There are no instances of synchronized media content, unless specifically added

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria • 9.1.2.2 (Web) • 10.1.2.2 (Non-web document) • 11.1.2.2 (Open Functionality Software) • 11.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		by users. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can I make videos and audio files more accessible?"
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.3 (Web) • 10.1.2.3 (Non-web document) • 11.1.2.3.1 (Open Functionality Software) • 11.1.2.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	This criterion is not applicable. There are no instances of synchronized media content, unless specifically added by users. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can I make videos and audio files more accessible?"
1.3.1 Info and Relationships (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.1 (Web) • 10.1.3.1 (Non-web document) • 11.1.3.1.1 (Open Functionality Software) • 11.1.3.1.2 (Closed Software) • 11.8.2 (Authoring Tool)	Partially supports	This criterion is mostly supported, except for a limited number of instances where the user's ability to discern info and relationships is being impacted. These include some pages with illogical heading structure/mark-up, some tables with missing captions or lacking heading/row association, and labels that are not programmatically being associated with their respective form fields/controls.

Criteria	Conformance Level	Remarks and Explanations
• 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		Some examples of tools/features where this affects instructors include: • the Assessment Builder in Tests & Quizzes • The Template Settings and Organize Forums and Topics pages in Discussions • The Add New Report page in Statistics
1.3.2 Meaningful Sequence (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.2 (Web) • 10.1.3.2 (Non-web document) • 11.1.3.2.1 (Open Functionality Software) • 11.1.3.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	This criterion is supported with the exception of very few instances where the sequence of navigation is not in order. These include some pages where reading order is not moving in sequence while navigating using arrow keys. Some examples of tools/features where this affects instructors include: • The Grading Schema page in Gradebook • The Assessment Builder page in Tests & Quizzes
1.3.3 Sensory Characteristics (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.3 (Web) • 10.1.3.3 (Non-web document) • 11.1.3.3 (Open Functionality Software) • 11.1.3.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. There are no instances of instructions being conveyed using color, direction, sound, shape and size. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including, "What are some guidelines for making content accessible?"

Criteria	Conformance Level	Remarks and Explanations
1.4.1 Use of Color (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.1 (Web) • 10.1.4.1 (Non-web document) • 11.1.4.1 (Open Functionality Software) • 11.1.4.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. There are no instances where insufficient color contrast is preventing users from distinguishing links from the surrounding text, except for one isolated case with the Calendar tool, where color alone is being used to convey the selected states of buttons. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can choices in background and text color affect accessibility?"
1.4.2 Audio Control (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.2 (Web) • 10.1.4.2 (Non-web document) • 11.1.4.2 (Open Functionality Software) • 11.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	This criterion is not applicable. There are no instances of audio being played automatically on page load.
2.1.1 Keyboard (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.1 (Web) • 10.2.1.1 (Non-web document) • 11.2.1.1.1 (Open Functionality Software)	Partially supports	This criterion is supported, except for a limited number of instances where the user's ability to navigate with the keyboard is being impacted. Some examples of tools/features where this affects both instructors and students include:

Criteria	Conformance Level	Remarks and Explanations
• 11.2.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		• Keyboard focus issue while Adding/Viewing events in Calendar • Conversations Statistics page has time frame radio buttons which aren't receiving tab focus • Inability to use tab to navigate through portions of the grades data table in Gradebook
2.1.2 No Keyboard Trap (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.2 (Web) • 10.2.1.2 (Non-web document) • 11.2.1.2 (Open Functionality Software) • 11.2.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	This criterion is supported, except for a couple of isolated cases where keyboard focus is getting trapped. The two examples of tools/features where this affects both instructors and students are: • Gradebook • Resources
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.1.4 (Web) • 10.2.1.4 (Non-web document) • 11.2.1.4.1 (Open Functionality Software) • 11.2.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	This criterion is supported. There are no instances of single character being used in the application. All Sakai shortcuts use modifier keys. Very few of these conflict with standard browser/operating system keys, and they are not the sole means for performing a particular operation/task.

Criteria	Conformance Level	Remarks and Explanations

2.2.1 Timing Adjustable (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.2.1 (Web)
   • 10.2.2.1 (Non-web document)
   • 11.2.2.1 (Open Functionality Software)
   • 11.2.2.1 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	This criterion is supported. Users are presented with an option to extend their session, in the event prolonged inactivity during their browsing session causes a time out message to appear.

2.2.2 Pause, Stop, Hide (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.2.2 (Web)
   • 10.2.2.2 (Non-web document)
   • 11.2.2.2 (Open Functionality Software)
   • 11.2.2.2 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	This criterion is supported. There are no instances of moving, blinking or auto updating content, unless specifically added by users.
		
		For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including, "What are some guidelines for making content accessible?"

2.3.1 Three Flashes or Below Threshold (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.3.1 (Web)
   • 10.2.3.1 (Non-web document)
   • 11.2.3.1 (Open Functionality Software)
	Supports	This criterion is supported. There are no instances of flashing content, unless specifically added by users.
		
		For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including, "What are some guidelines for making content accessible?"

Criteria	Conformance Level	Remarks and Explanations
11.2.3.1 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		
2.4.1 Bypass Blocks (Level A) Also applies to: EN 301 549 Criteria 9.2.4.1 (Web) 10.2.4.1 (Non-web document) – Does not apply 11.2.4.1 (Open Functionality Software) – Does not apply 11.2.4.1 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (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	This criterion is supported. Sakai contains multiple bypass links with multiple methods of activation, allowing users to easily skip over repetitive content.
2.4.2 Page Titled (Level A) Also applies to: EN 301 549 Criteria 9.2.4.2 (Web) 10.2.4.2 (Non-web document) 11.2.4.2 (Open Functionality Software) - Does not apply 11.2.4.2 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software)	Supports	This criterion is supported. Web pages contain titles that describe topic or purpose. Sakai utilizes an easy-to-understand naming convention for its pages that includes the current Site and Tool to help orient users while navigating around the application.

Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool) • 602.3 (Support Docs)		
2.4.3 Focus Order (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.3 (Web) • 10.2.4.3 (Non-web document) • 11.2.4.3 (Open Functionality Software) • 11.2.4.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	This criterion is mostly supported, except for some instances where focus order is not consistent. These include examples of focus not moving to the next interactive element after selecting/activating a control, inappropriate focus management when opening and closing overlays/modals, and non-interactive headers receiving tab focus or the same interactive element receiving tab focus twice. Some examples of tools/features where focus is unexpectedly jumping to the top of the page instead of moving to the next interactive element that affects instructors include: • While selecting the add option to create a new Assignment • On selecting an option from the frequency combo box in Calendar • Activating the "Question Type" combo box when using the Assessment Builder in Tests & Quizzes • Using the combo boxes to select "Subject" and "Course" options during the Site creation process in Administration Workspace One example of a tool/feature where focus management could be improved when opening/closing modals/overlays that affects both instructors and students is Gradebook. Some examples of tools/features where relatively minor issues with keyboard focus, some of which impact tab order, that affects both instructors and students include:

Criteria	Conformance Level	Remarks and Explanations
		• Calendar • Lessons • Resources • Rubrics

2.4.4 Link Purpose (In Context) (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.4.4 (Web)
   • 10.2.4.4 (Non-web document)
   • 11.2.4.4 (Open Functionality Software)
   • 11.2.4.4 (Closed Software
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Partially supports	This criterion is mostly supported, except for a few instances where link text is not descriptive.
		
		Some examples of tools/features with non-descript link text that affects instructors include:
		   • The "Show more" links in Statistics
		   • The "More info" links in Resources
		   • The "What's this?" links in the Assessment Builder of Tests & Quizzes

2.5.1 Pointer Gestures (Level A 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
   • 9.2.5.1 (Web)
   • 10.2.5.1 (Non-web document)
   • 11.2.5.1 (Open Functionality Software)
   • 11.2.5.1 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Partially Supports	This criterion is mostly supported. Of the tools/features in Sakai that include "drag and drop" functionality, one or more forms of Pointer Gesture are working as intended. If you use the mouse to click an item and drag it to a new position, then release the mouse, the item is in the new position. However, there are some instances where users are not able to use the keyboard to reorder items, or use a single click to reorder items, without using drag and drop.
		
		Some examples of tools/features where users are not able to use the keyboard to reorder items and/or use a single click to reorder items without drag and drop, that affects both instructors and students include:
		   • Announcements reorder
		   • Drop Box folder reorder
		   • Gradebook reordering Categories

Criteria	Conformance Level	Remarks and Explanations
		• Lessons reorder • Resources folder reorder • Rubrics Criterion & Rating reorder • Site Info tool reorder • Syllabus reorder

2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
    • 9.2.5.2 (Web)
    • 10.2.5.2 (Non-web document)
    • 11.2.5.2 (Open Functionality Software)
    • 11.2.5.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	This criterion is supported. The down-event of the pointer is not used to execute any part of the function. When the down event is used, as in "drag and drop" situations, there is a mechanism available to abort the function before completion, or to undo the function after completion.

2.5.3 Label in Name (Level A 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
    • 9.2.5.3 (Web)
    • 10.2.5.3 (Non-web document)
    • 11.2.5.3.1 (Open Functionality Software)
    • 11.2.5.3.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	This criterion is supported. Wherever applicable, the visible label matches the accessible name, or its part of the accessible name.

2.5.4 Motion Actuation (Level A 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
    • 9.2.5.4 (Web)
    • 10.2.5.4 (Non-web document)
    • 11.2.5.4 (Open Functionality Software)
    • 11.2.5.4 (Closed Software)
	Not applicable	This criterion is not applicable. Sakai does not rely on motion actuation features.

Criteria	Conformance Level	Remarks and Explanations
• 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply		
3.1.1 Language of Page (Level A) Also applies to: EN 301 549 Criteria • 9.3.1.1 (Web) • 10.3.1.1 (Non-web document) • 11.3.1.1.1 (Open Functionality Software) • 11.3.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. Language of each page can be programmatically determined. Through its ongoing Internationalization efforts, the Sakai LMS currently supports 18 different languages. If desired, users can change the default language on their Site to any of the available languages included as part of the language pack(s) installed on that institution's instance of Sakai. When they do so, the new Site language is also programmatically determined.
3.2.1 On Focus (Level A) Also applies to: EN 301 549 Criteria • 9.3.2.1 (Web) • 10.3.2.1 (Non-web document) • 11.3.2.1 (Open Functionality Software) • 11.3.2.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. Context change happens only on taking action on interactive components, and not as a result of them taking focus.

Criteria	Conformance Level	Remarks and Explanations

3.2.2 On Input (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.3.2.2 (Web)
    • 10.3.2.2 (Non-web document)
    • 11.3.2.2 (Open Functionality Software)
    • 11.3.2.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Supports	This criterion is supported. Context change happens only after completed forms have been submitted, and not as inputs to individual form fields are done.

3.2.6 Consistent Help (Level A 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	This criterion is supported. There is a help mechanism that is consistently provided across all Sakai tools.

3.3.1 Error Identification (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.3.3.1 (Web)
    • 10.3.3.1 (Non-web document)
    • 11.3.3.1.1 (Open Functionality Software)
    • 11.3.3.1.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Supports	This criterion is supported, except for one instance with the Resources tool, where the "Create" button remains disabled if there are any mandatory fields that are left blank, but since there are no inline data validation errors, the user must navigate through the entire form to locate the error. Otherwise, if an input error is detected when submitting a form, the item that is in error is identified and the error is described to the user in text.

3.3.2 Labels or Instructions (Level A) Also applies to: EN 301 549 Criteria • 9.3.3.2 (Web)	Partially supports	This criterion is mostly supported, except for a few instances where the user's ability to understand form fields and/or input format requirements is being impacted. These include missing instructions for

Criteria	Conformance Level	Remarks and Explanations
10.3.3.2 (Non-web document) 11.3.3.2 (Open Functionality Software) 11.3.3.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		required fields, missing instructions with respect to input format, and some missing visual labels. One example of a tool/feature which affects both instructors and students are the editable fields that are used throughout Sakai to manually enter date/time values. Users may not know to use the "MM/DD/YYYY HH:MM (AM or PM)" expected format, since there are no instructions or helper text for how to correctly input/format the information for these fields.
3.3.7 Redundant Entry (Level A 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Not Applicable	This criterion is not applicable. There are no instances where information previously entered by or provided to the user is required to be entered again in the same process, except for confirming email passwords as part of the user creation process, when re-entering the information is essential/required to ensure the security of the content.
4.1.1 Parsing (Level A) Applies to: WCAG 2.0 and 2.1 – Always answer 'Supports' WCAG 2.2 (obsolete and removed) - Does not apply EN 301 549 Criteria 9.4.1.1 (Web) 10.4.1.1 (Non-web document) 11.4.1.1.1 (Open Functionality Software) 11.4.1.1.2 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Deprecated	This criterion has been removed from WCAG 2.2. In WCAG 2.1 and 2.0 this Success Criterion should be considered as always satisfied for any content using HTML or XML.
4.1.2 Name, Role, Value (Level A) Also applies to:	Partially supports	This criterion is supported, except for a few instances where the user's ability to understand a control is being

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria • 9.4.1.2 (Web) • 10.4.1.2 (Non-web document) • 11.4.1.2.1 (Open Functionality Software) • 11.4.1.2.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		impacted, because its name, provided element role, and/or state isn't clear. These include a few instances where there are dual roles for the same control, and a few buttons that are missing accessible names. Some examples of tools/features that use accordions with controls that have dual roles as links or tabs which affects both instructors and students include: • Gradebook • Statistics • Tests & Quizzes

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: EN 301 549 Criteria • 9.1.2.4 (Web) • 10.1.2.4 (Non-web document) • 11.1.2.4 (Open Functionality Software) • 11.1.2.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	This criterion is not applicable. There are no instances of synchronized media content, unless specifically added by users. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can I make videos and audio files more accessible?"
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to:	Not Applicable	This criterion is not applicable. There are no instances of synchronized media content, unless specifically added

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria • 9.1.2.5 (Web) • 10.1.2.5 (Non-web document) • 11.1.2.5 (Open Functionality Software) • 11.1.2.5 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		by users. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can I make videos and audio files more accessible?"
1.3.4 Orientation (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.3.4 (Web) • 10.1.3.4 (Non-web document) • 11.1.3.4 (Open Functionality Software) • 11.1.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	This criterion is supported. Sakai supports orientation changes with no loss of functionality.
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.3.5 (Web) • 10.1.3.5 (Non-web document) • 11.1.3.5.1 (Open Functionality Software) • 11.1.3.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	This criterion is supported, including multiple instances of auto-complete functionality being used in Sakai to require information about users. Of the various Sakai tools/features tested, there were a total of 4 pages/features in particular, Gateway/Welcome page (log-in/password), Users (create account), Home/Profile, and Site Info (Add Participants) which were deemed applicable. Of these pages, the purpose of each input field collecting information about the user can be programmatically determined. The rest of the pages did not collect information about the user, so were not evaluated.

Criteria	Conformance Level	Remarks and Explanations
1.4.3 Contrast (Minimum) (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.3 (Web) • 10.1.4.3 (Non-web document) • 11.1.4.3 (Open Functionality Software) • 11.1.4.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. There are no instances where foreground and background colors lack sufficient color contrast. For user-generated content, the Sakai User Guide provides numerous accessibility help topics, including "How can choices in background and text color affect accessibility?"
1.4.4 Resize text (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.4 (Web) • 10.1.4.4 (Non-web document) • 11.1.4.4.1 (Open Functionality Software) • 11.1.4.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported, except for two minor issues observed with the Chat Room and Statistics tools. At 200% zoom, some of the elements of the Chat Room tool are overlapping with each other, and the Statistics tool has some Jquery code showing up on the page. Otherwise, on resizing pages up to 200%, there is no other loss of content, no overlap or truncation of content.
1.4.5 Images of Text (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.5 (Web) • 10.1.4.5 (Non-web document) • 11.1.4.5.1 (Open Functionality Software)	Supports	This criterion is supported. There are no instances of images of text being used to convey information.

Criteria	Conformance Level	Remarks and Explanations
• 11.1.4.5.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		
1.4.10 Reflow (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.10 (Web) • 10.1.4.10 (Non-web document) • 11.1.4.10 (Open Functionality Software) • 11.1.4.10 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	This criterion is mostly supported. Except for two minor instances with Worksite Set-up/Create Site and the Chat Room tool, where there is a slight horizontal scroll bar, even when zoomed out. Otherwise, on resizing pages up to 400%, there is no loss of content, no overlap or truncation of content, and single directional scroll is observed.
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.11 (Web) • 10.1.4.11 (Non-web document) • 11.1.4.11 (Open Functionality Software) • 11.1.4.11 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially supports	This criterion is supported, except for a few instances where non-text elements are lacking sufficient contrast. Some examples of tools/features which affects both instructors and students include: • In Assignments, if you create a new Assignment, fill out some of the fields, click to go to another Tool, then go back to Assignments, a popup will display saying that you have an unsaved previous version. This popup has grey text that may be hard for some users to read. • In Calendar, under "Add/Edit Fields", the "Remove" boxes are disable by default but there is no indication of this. The "Remove Selected Fields" button is also not working.

Criteria	Conformance Level	Remarks and Explanations
		• In Lessons, under "Add Content" when selecting "Add Question", the two input fields circled in red are disabled if the "Grade this question" option is unchecked, yet they remain the same color whether enabled or disabled, confusing the user.

1.4.12 Text Spacing (Level AA 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
   • 9.1.4.12 (Web)
   • 10.1.4.12 (Non-web document)
   • 11.1.4.12 (Open Functionality Software)
   • 11.1.4.12 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	This criterion is supported. There is no loss of content or functionality when line height (line spacing) is set to at least 1.5 times the font size; spacing following paragraphs is set to at least 2 times the font size; letter spacing (tracking) is set to at least 0.12 times the font size; and word spacing is set to at least 0.16 times the font size, and there are no other changes to style properties.

1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)
Also applies to:
EN 301 549 Criteria
   • 9.1.4.13 (Web)
   • 10.1.4.13 (Non-web document)
   • 11.1.4.13 (Open Functionality Software)
   • 11.1.4.13 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	This criterion is supported except for one minor issue with the Site Info tool. The info (circle "i") button on the Site Information page for "Next/Yes, Display in Site Browser" fails parts 1 and 2 of this criterion. Otherwise, when content shows on hover or keyboard focus, there is a way to dismiss the additional content without moving the hover or focus, the pointer can be moved over the additional content without having it disappear, and the additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or the information is no longer valid.

2.4.5 Multiple Ways (Level AA)
Also applies to:
EN 301 549 Criteria
   • 9.2.4.5 (Web)
   • 10.2.4.5 (Non-web document) – Does not apply
   • 11.2.4.5 (Open Functionality Software) – Does not apply
   • 11.2.4.5 (Closed Software) – Does not apply
	Supports	This criterion is supported. Throughout Sakai, there is more than one way to locate a Web page within a set of Web pages, except for where the Web Page is the result of, or a step in a process.

Criteria	Conformance Level	Remarks and Explanations
11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs		
2.4.6 Headings and Labels (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.6 (Web) 10.2.4.6 (Non-web document) 11.2.4.6 (Open Functionality Software) 11.2.4.6 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Partially supports	This criterion is supported, except for a few isolated cases where users may not be able to understand the purpose and context of headings or form elements. One example of a student facing instance is in the Resources tool, where the Source/Maximize buttons are not properly labelled/descriptive enough, making it difficult for users to understand what the purpose of the buttons are.
2.4.7 Focus Visible (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.7 (Web) 10.2.4.7 (Non-web document) 11.2.4.7 (Open Functionality Software) 11.2.4.7 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool)	Supports	This criterion is supported except for two minor issues with the Calendar widget and the Statistics tool. For any tool that uses the dropdown Calendar widget, the keyboard cannot be used to select the left/right arrow options. In Statistics, the "Show More" buttons do not show they are selected. Otherwise, throughout Sakai, there are clear and distinctive focus indicators visible on components receiving keyboard tab focus.

Criteria	Conformance Level	Remarks and Explanations
• 602.3 (Support Docs)		
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	This criterion is supported. When a user interface component receives keyboard focus, the component is not entirely hidden due to author-created content.
2.5.7 Dragging Movements (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Partially Supports	This criterion is mostly supported. Of the tools/features in Sakai that include "drag and drop" functionality, one or more forms of Pointer Gesture are working as intended. If you use the mouse to click an item and drag it to a new position, then release the mouse, the item is in the new position. However, there are some instances where users are not able to use the keyboard to reorder items, or use a single click to reorder items, without using drag and drop. Some examples of tools/features where users are not able to use the keyboard to reorder items and/or use a single click to reorder items without drag and drop, that affects both instructors and students include: • Announcements reorder • Drop Box folder reorder • Gradebook reordering Categories • Lessons reorder • Resources folder reorder • Rubrics Criterion & Rating reorder • Site Info tool reorder • Syllabus reorder
2.5.8 Target Size (Minimum) (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Partially supports	This criterion is mostly supported. Throughout Sakai, the vast majority of pointer inputs are either 24x24 pixels large or placed 24 pixels away from other pointer inputs. However, there are a few instances where Sakai is failing part of this criterion because pointer inputs like radio buttons are only 16x16 pixels large, and are positioned too close together. Some examples of tools/features with pointer inputs

Criteria	Conformance Level	Remarks and Explanations
		that are either too small and/or spaced too close together, mainly radio buttons or checkboxes that are oriented in a vertical list, that affects both instructors and students include: • On the "Add" tab of Tests & Quizzes, the "Create Using Assessment Builder" and "Create Using Markup Text" radio buttons above the "Create" button • On the Settings tab of Gradebook, the "Points" and "Percentages" radio buttons for the "Grade Entry" option

3.1.2 Language of Parts (Level AA)
Also applies to:
EN 301 549 Criteria
    • 9.3.1.2 (Web)
    • 10.3.1.2 (Non-web document)
    • 11.3.1.2 (Open Functionality Software) – Does not apply
    • 11.3.1.2 (Closed Software) – Does not apply
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Supports	This criterion is supported. In-page language switches happen only in user-generated content. Users can indicate the language switch in their content.

3.2.3 Consistent Navigation (Level AA)
Also applies to:
EN 301 549 Criteria
    • 9.3.2.3 (Web)
    • 10.3.2.3 (Non-web document) – Does not apply
    • 11.3.2.3 (Open Functionality Software) – Does not apply
    • 11.3.2.3 (Closed Software) – Does not apply
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
	Supports	This criterion is supported. Consistent navigation is maintained throughout the application. Navigational mechanisms that repeat on multiple Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 • 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		
3.2.4 Consistent Identification (Level AA) Also applies to: EN 301 549 Criteria • 9.3.2.4 (Web) • 10.3.2.4 (Non-web document) – Does not apply • 11.3.2.4 (Open Functionality Software) – Does not apply • 11.3.2.4 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 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	This criterion is supported. Identical names are maintained for controls that have the same functionality, allowing users to consistently identify these elements.
3.3.3 Error Suggestion (Level AA) Also applies to: EN 301 549 Criteria • 9.3.3.3 (Web) • 10.3.3.3 (Non-web document) • 11.3.3.3 (Open Functionality Software) • 11.3.3.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	This criterion is supported. If there are errors when submitting a form, suggestions for how to fix/remove the errors are provided.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to:	Supports	This criterion is supported. While there are no instances of legal or financial transactions in the application, some

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria • 9.3.3.4 (Web) • 10.3.3.4 (Non-web document) • 11.3.3.4 (Open Functionality Software) • 11.3.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		tools like Tests & Quizzes, Assignments, etc. use a multi-step submission confirmation process to assist with error prevention of certain user-generated data. For example, while data entered by the user is not automatically checked for input errors, the Tests & Quizzes tool provides a mechanism for the student to review/correct/confirm the information before they are prompted to submit their Assessment. Technically, once an Assessment has been submitted, the action can't be reversed. However, if a problem with a submission is discovered after the fact, Sakai provides Students with multiple communication tools/methods for reporting issues to the instructor, who has the ability to delete the original submission and/or allow a retake.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	This criterion is supported. Sakai utilizes an accessible Authentication method for users to input their name and password.
4.1.3 Status Messages (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.4.1.3 (Web) • 10.4.1.3 (Non-web document) • 11.4.1.3 (Open Functionality Software) • 11.4.1.3 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially supports	This criterion is supported, except for a limited number of instances where users (especially blind/low-vision users) may not always be aware of dynamic changes occurring on the page. These include multiple tools/features where error message warnings, success/failure confirmation messages, etc. aren't being dynamically announced by the screen reader. In most cases, after the page has refreshed, screen reader users are still able to navigate down to where these success/failure confirmations appear on the page, so they are technically aware that some dynamic change has occurred, even if the process is not as streamlined as it could be. But in a few rare instances, focus is getting moved into a modal dialogue upon page refresh, and screen reader users are only able to navigate through the modal controls, and aren't able to access the actual error message warning, so they are aware

Criteria	Conformance Level	Remarks and Explanations
		that a dynamic change has occurred, and know what actions they are able to perform, but may not always know what the crux of the issue is.

Table 3: Success Criteria, Level AAA

Notes: Not Evaluated

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes: Since Revised Section 508 Functional Performance Criteria map to WCAG success criteria, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other Revised Section 508 Functional Performance Criteria were either not applicable or no response was needed.

Chapter 4: Hardware

Notes: Not Applicable

Chapter 5: Software

Notes: Since Revised Section 508 Functional Performance Criteria map to WCAG success criteria, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other Revised Section 508 Functional Performance Criteria were either not applicable or no response was needed.

Chapter 6: Support Documentation and Services

Notes:

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	Supports	Product includes a help section devoted to accessibility and users of assistive technology. A link to this "Accessibility Information" page can be found in the footer of every Sakai site/page, and features an overview of the product that includes organization, landmarks, a list of skip links, access keys and supportive information for accessible and efficient navigation and operation. Information on color/contrast modification and enlarging screen elements are also available. Detailed information is also provided on best practices for creating accessible content for the product.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	Product is open source. While support documentation is provided electronically, customers also have the option of contracting with one of Sakai's commercial affiliates to provide hosting, development, and technical support for the application and infrastructure of the product to IT staff at the client institution. End-user support is dependent upon the available resources at the adopting institution. End users receive alternate support via offline and in-person methods as determined appropriate by their academic institution.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	A basic overview of best practices for accessibility is provided as part of faculty/staff training, if it is requested by

Criteria	Conformance Level	Remarks and Explanations
		the client. Clients are reminded to keep accessibility in mind when creating content and given examples of best practices and common pitfalls. Clients are also referred to the section of the online support documentation devoted to accessibility and compatibility features in 602.2 mentioned above. In addition, Sakai leverages a third-party software called "Screen Steps" for maintaining the online "Sakai 23 User Guide". This is an accessible, screen-reader friendly platform that is relatively easy for assistive technology users to navigate. The Sakai User Guide includes an alphabetized listing of Tools/Features along with many related topics which are all indexed in an intuitive, easy-to-find table of contents. While a majority of the "how to" articles contain screenshots that are primarily visual in nature, the graphics do include alternative text, and screen reader users can still follow along within the context of the steps being described. The "Sakai 23 User Guide" also includes a search feature that can be used to quickly locate a specific help topic, or check for related content covered in any number of community user-contributed help articles.
603.3 Accommodation of Communication Needs	Not applicable	Product is open source. Customers have the option of contracting with one of Sakai's commercial affiliates to provide hosting, development, and technical support for the application and infrastructure of the product to IT staff at the client institution. End-user support is

Criteria	Conformance Level	Remarks and Explanations
		dependent upon the available resources at the adopting institution. Institutions shall accommodate the communication needs of individuals with disabilities as determined appropriate by the institution. Sakai does maintain an email listserv that people can use to reach out to the Sakai Accessibility Team at any point if they have a question/problem. Questions sent to Accessibility@SakaiLMS.org will receive a timely response, usually within the same day, and often within a few hours of their inquiry. If a user requires a particular type of accommodation, we are able to lean on members of the Sakai open-source community, who are always willing to share their resources and expertise to try and provide whatever specialized assistance is needed.

EN 301 549 Report

Notes:

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

Notes: Since EN 301 549 for ICT [adopted](#) WCAG 2.1 in 2018, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other EN 301 549 for ICT were either not applicable or no response was needed.

Chapter [5: Generic Requirements](#)

Notes: Since EN 301 549 for ICT [adopted](#) WCAG 2.1 in 2018, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other EN 301 549 for ICT were either not applicable or no response was needed.

Chapter [6: ICT with Two-Way Voice Communication](#)

Notes: Not Applicable

Chapter [7: ICT with Video Capabilities](#)

Notes: Not Applicable

Chapter [8: Hardware](#)

Notes: Not Applicable

Chapter [9: Web](#) *(see [WCAG 2.x section](#))*

Notes: Since EN 301 549 for ICT [adopted](#) WCAG 2.1 in 2018, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other EN 301 549 for ICT were either not applicable or no response was needed.

Chapter [10: Non-Web Documents](#)

Notes: Not Applicable

Chapter 11: Software

Notes: Since EN 301 549 for ICT adopted WCAG 2.1 in 2018, any applicable standards are referenced under their respective WCAG Success Criteria column(s) of the WCAG 2.x A & AA sections of this report. All other EN 301 549 for ICT were either not applicable or no response was needed.

Chapter 12: Documentation and Support Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
12.1 Product documentation	Heading cell – no response required	Heading cell – no response required
12.1.1 Accessibility and compatibility features	Supports	Product includes a help section devoted to accessibility and users of assistive technology. A link to this "Accessibility Information" page can be found in the footer of every Sakai site/page and features an overview of the product that includes organization, landmarks, a list of skip links, access keys and supportive information for accessible and efficient navigation and operation. Information on color/contrast modification and enlarging screen elements are also available. Detailed information is also provided on best practices for creating accessible content for the product.
12.1.2 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section
12.2 Support Services	Heading cell – no response required	Heading cell – no response required
12.2.2 Information on accessibility and compatibility features	Supports	A basic overview of best practices for accessibility is provided as part of faculty/staff training, if it is requested by the client. Clients are reminded to keep accessibility in mind when creating content and given examples of best practices and common pitfalls. Clients are also referred to the section of the online

Criteria	Conformance Level	Remarks and Explanations
		support documentation devoted to accessibility and compatibility features in 12.1.1 mentioned above. In addition, Sakai leverages a third-party software called "Screen Steps" for maintaining the online "Sakai 23 User Guide". This is an accessible, screen-reader friendly platform that is relatively easy for assistive technology users to navigate. The Sakai User Guide includes an alphabetized listing of Tools/Features along with many related topics which are all indexed in an intuitive, easy-to-find table of contents. While a majority of the "how to" articles contain screenshots that are primarily visual in nature, the graphics do include alternative text, and screen reader users can still follow along within the context of the steps being described. The "Sakai 23 User Guide" also includes a search feature that can be used to quickly locate a specific help topic, or check for related content covered in any number of community user-contributed help articles.
12.2.3 Effective communication	Not applicable	Product is open source. Customers have the option of contracting with one of Sakai's commercial affiliates to provide hosting, development, and technical support for the application and infrastructure of the product to IT staff at the client institution. End-user support is dependent upon the available resources at the adopting institution. Institutions shall accommodate the communication needs of individuals with disabilities as determined appropriate by the institution.

Criteria	Conformance Level	Remarks and Explanations
		Sakai does maintain an email listserv that people can use to reach out to the Sakai Accessibility Team at any point if they have a question/problem. Questions sent to Accessibility@SakaiLMS.org will receive a timely response, usually within the same day, and often within a few hours of their inquiry. If a user requires a particular type of accommodation, we are able to lean on members of the Sakai open-source community, who are always willing to share their resources and expertise to try and provide whatever specialized assistance is needed.
12.2.4 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section

Chapter 13: ICT Providing Relay or Emergency Service Access

Notes: Not Applicable

Legal Disclaimer (Sakai)

Compliance with EN 301 549 for ICT and Revised Section 508 standards (and the stated goal of meeting WCAG 2.2 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.