Portico Accessibility Conformance Report
Revised Section 508 Edition*

(Based on VPAT® Version 2.4)

Name of Product/Version: Portico

Product Description: Portico is a community-supported preservation archive that safeguards access to ebooks, e-journals and digital collections.

Report Date: December 2022

Contact Information: support@portico.org

Notes: ITHAKA is committed to providing an experience that is fully accessible to everyone. We make every effort to ensure that our services comply with web accessibility guidelines. Because Portico is principally a dark archive providing assurance of preservation, it is not a primary method of access to content. Therefore, it may not meet the same accessibility standards as a platform focused on content delivery, such as JSTOR. A representative sample of Portico's public pages were tested as part of this report. This includes the page that lists the journals on Portico and the login page. This does not include pages found on Portico while authenticated.

For additional information, see our accessibility page.

* This document covers Web Content Accessibility Guidelines 2.0, 2.1, and the revised section 508 standards.

Evaluation Methods Used: MacOS - VoiceOver + Safari/Chrome/Firefox, Windows - NVDA & JAWS 2023 + Chromium Edge/Firefox, Color Contrast Analyzer Tool, WAVE tool, ANDI, text spacing bookmarklet, keyboard only

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)
[Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018](#)	(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 be used only in WCAG 2.0 Level AAA.

WCAG 2.X Report

Tables 1 and 2 also document conformance with:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- 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.X 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: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Supports	Most meaningful images that are part of the Portico interface have a text alternative. To validate support for this criterion, we evaluated the images that regularly appear throughout the site (e.g., icons, logos, and UI components) and used a screen reader to determine whether they had appropriate text alternatives.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Not Applicable	The Portico interface itself does not have audio-only or video-only media.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Not Applicable	The Portico interface does not have any synchronized media presentations.

Criteria	Conformance Level	Remarks and Explanations
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Not Applicable	The Portico interface itself does not have any synchronized media.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Partially Supports	In most cases, semantic markup is used to convey information, structure, and relationships appropriately. This was validated by comparing the visual hierarchy and status of elements to their programmatic determination. There are instances where heading order does not match the visual hierarchy of the page or are used unnecessarily. The table on the Dashboard is not marked up as a data table.
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	The sequence of all content on Portico does not affect its meaning, and is encoded in a logical and straightforward way where it does. Support for this criterion was validated through screen reader use

Criteria	Conformance Level	Remarks and Explanations
		of the pages on Portico to identify whether the order of the page's structured sequence caused content to be out of context.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Portico does not use sensory characteristics of interactive elements as part of instruction.
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Textual or additional visual indicators are used where color conveys information, indicates an action, prompts a response, or distinguishes a visual element.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	The Portico interface itself does not have any audio.

Criteria	Conformance Level	Remarks and Explanations
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Support for keyboard accessibility of Portico was validated by keyboard only navigation of the site. Keyboard functionality on all interactive UI elements has also been verified.
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	All elements can be entered and exited via the use of a keyboard. Pages are coded to allow the user to move browser focus from one interactive element to another, verified through testing with keyboard only navigation of the site.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Supports	There are no keyboard shortcuts used within the Portico platform.
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	There are no timeouts used within Portico.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	There are no videos or animations used within Portico.

Criteria	Conformance Level	Remarks and Explanations
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	There is no content within Portico that contains flashing material.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software	Supports	Portico allows users to move through navigation links and through large groups of content to the main content of the page without difficulty. Where repetitive navigation is present, a "skip to main content" link allows the user to circumvent the navigation.
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	The titles of web pages on the Portico interface are meaningful and clear. Support for this criteria was validated by manually checking the title of pages, modals, and frames on the site.
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Focus follows an order that is intuitive and logical. When using keyboard-only navigation, if there is a meaningful sequence to the focus order, it is preserved.

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2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Partially Supports	Links have calculated names that are meaningful and allow the user to discern their function within the context of the current page. Support for this was validated by navigating through the site while using a screen reader to identify if the meaning of the links could be identified within its context on the page. There are instances of ambiguous links that go to different destinations, specifically "PDF" & "Additional Information" on the Articles list page.
2.5.1 Pointer Gestures (Level A 2.1 only)	Supports	No functionality requires multipoint or path-based gestures on the site. This was verified through navigating the site with only one cursor.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	When users click, tap, or press on an interactive element, they can cancel the action by moving their cursor away from the element before finishing the click, tap, or press action. This was validated by interacting with

Criteria	Conformance Level	Remarks and Explanations
		each interactive element on the site using a single pointer.
2.5.3 Label in Name (Level A 2.1 only)	Supports	User interface elements that have labels with text have a name that contains the text that is presented visually. This was validated by reviewing the calculated names of interactive elements that have a visual label.
2.5.4 Motion Actuation (Level A 2.1 only)	Not Applicable	No functionality on Portico can be operated by device or user motion.
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Supports	Each page within Portico has the language attribute set to lang="en". Manual code inspection was performed to verify the presence of the language attribute on the pages of the Portico site.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Supports	The Portico interface does not trigger changes when elements of the page receive focus. The level of support for this was validated by navigating with the keyboard only through the site to

Criteria	Conformance Level	Remarks and Explanations
		identify if any changes occurred when an interactive control received focus.
3.2.2 On Input (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	The Portico interface does not automatically cause a change of context on input. The interface changes only when a user has performed an action meant to change the context. Testing for this was performed by navigating with keyboard only and activating input fields to assess if there is a context change.
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Portico strives to make errors clear and easily correctable by providing an indication of the error and a method for its resolution to the user. The level of support for this criterion was validated by evaluating the error messages produced through purposefully creating errors, both with and without a screen reader.
3.3.2 Labels or Instructions (Level A) Also applies to:	Partially Supports	Portico strives to make action and input requirements easily

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 ● 501 (Web)(Software)		understandable by providing clear labeling on forms, buttons, and other interactive elements, as well as contextual instructions on forms. Manual code inspection was used to verify the presence of labels on elements and forms. Testing with screen readers was used to verify that visual instructions on forms were also available to assistive technology. The Login screen has form fields that rely solely on placeholder text as its visual label.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	We strive to avoid significant HTML/XHTML validation/parsing errors. Though they do not interfere with the core functionality of the site, there are a few parsing errors present, as identified with the use of w3c markup validation service.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508	Supports	Where appropriate, elements on Portico are encoded with a name, role, and value that give the user an

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software)		indication of their function, as well as any additional options provided by them. Support for this criterion was validated through a mix of manual code inspection and evaluating the interactive elements of the site with a screen reader.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software)	Not Applicable	Portico does not host any live media content.
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software)	Not Applicable	The Portico interface itself does not have any synchronized media.

Criteria	Conformance Level	Remarks and Explanations
1.3.4 Orientation (Level AA 2.1 only)	Supports	Content is not restricted to a single display orientation on Portico. This was verified by testing different orientations on a mobile device.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Partially Supports	Common user input fields are not implemented so that when specific data is expected in a particular field, the field's purpose is programmatically identifiable to make completing the field easier. This was verified by reviewing inputs that request common input purposes. The input fields in some cases do use the type attribute appropriately, however do not use the autocomplete attribute.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Partially Supports	The Portico interface meets contrast guidelines, verified through use of the Colour Contrast Checker tool. There are known instances of text with low color contrast against its background on Advanced Search and on About home page.

Criteria	Conformance Level	Remarks and Explanations
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Partially Supports	Most pages are readable and functional when text size is resized. This was tested by using the browsers zoom functionality to zoom in to 200%. There is an exception on the Article List view and Article Detail page where metadata content becomes obscured by fixed content upon scrolling.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	On Portico, if the same visual presentation can be made using text alone, an image is not used in lieu of that text. This was verified through checking images of text across the pages on the site.
1.4.10 Reflow (Level AA 2.1 only)	Partially Supports	Content on Portico is present without any loss of information or functionality when vertically scrolling content at a width of 320px or horizontally scrolling content at a height of 256px. This was validated by testing different screen widths using Chrome's mobile device emulator.

Criteria	Conformance Level	Remarks and Explanations
		There is an exception on the Article List view and Article Detail page where metadata content becomes obscured by fixed content upon scrolling.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Partially Supports	User interface components and graphical elements on Portico have at least a 3:1 contrast against the adjacent colors. This was confirmed using the Color Contrast Analyzer tool. There are some instances where the active state of a control does not have sufficient color contrast to its background.
1.4.12 Text Spacing (Level AA 2.1 only)	Supports	There was no loss of functionality on Portico when setting the text style properties to those dictated in the guideline. This was verified using a text-spacing bookmarklet and visually inspecting each page.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Partially Supports	Content that appears on hover or focus on Portico are dismissible,

Criteria	Conformance Level	Remarks and Explanations
		hoverable, and persistent by the user. This was verified by interacting with components on the site where additional content appears on hover or keyboard focus.
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software	Partially Supports	Portico is encoded to support breadcrumb and contextual navigation to help users orient themselves. Pages on the site were checked to verify that they had navigation that would allow the user to proceed further and that users don't land on an orphaned page. There is no site search or sitemap on Portico.
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software)	Supports	Manual code inspection, ANDI, use of a screen reader, and keyboard-only navigation of the site were used to verify that headings were properly utilized to give appropriate structure to the pages on Portico, and that labels for interactive elements and form fields were provided.

Criteria	Conformance Level	Remarks and Explanations
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software)	Partially Supports	It is visually apparent which page element has the current keyboard focus on Portico. In most cases, it utilizes the browser-provided focus indicator to allow the user to understand current page focus. There is an instance where the "Dashboard" link in the main navigation does not visually indicate focus.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software)	Partially Supports	The document for each of the pages is set to lang="en" and there are some instances of publications that have titles that are in a different language but are not indicated with an inline language change.
3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software	Supports	Navigation links that are repeated on web pages do not change order when navigating through the site. This was verified by checking the navigational elements provided on all the pages of Portico.

Criteria	Conformance Level	Remarks and Explanations
3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software	Supports	Interactive elements on Portico that perform the same function are consistently identified within sets of pages on the site. This was verified by navigating through the site using keyboard and screen reader.
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 501 (Web)(Software)	Supports	Errors in the Portico interface are identified clearly and suggestions are identified for correction. This was tested by purposefully creating errors to examine the messaging provided to the user to correct the error.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 501 (Web)(Software)	Supports	Data entered by the user is checked for input errors and the user is given an opportunity to correct those errors.
4.1.3 Status Messages (Level AA 2.1 only)	Supports	Most status messages on Portico can be detected and presented to the user by assistive technologies. This was verified by reviewing status messages on the site and using VoiceOver to

Criteria	Conformance Level	Remarks and Explanations
		listen to the programmatically associated information. There are instances on the Search Results and Workspace pages where interaction with the checkbox fields change the context of the page but do not announce this change programmatically.

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Notes:

Chapter 3: <ins>Functional Performance Criteria</ins> (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Portico uses standard HTML and WAI-ARIA attributes to describe and operate the user interface elements to assistive technologies. Images that are part of the Portico interface have a

Criteria	Conformance Level	Remarks and Explanations
		text alternative and most page scan content is available via an automatically tagged PDF. Users can request a manually tagged PDF from the support team if the automatically tagged PDF is not sufficient.
302.2 With Limited Vision	Supports	The Portico interface does not interfere with any browser settings that adjust color contrast, content size, or zoom functionality.
302.3 Without Perception of Color	Supports	Users do not need to rely on their perception of color to use the Portico interface. We utilize the default browser focus indicator to allow persons using a keyboard to identify their location on the page.
302.4 Without Hearing	Supports	The Portico interface itself does not depend on hearing.
302.5 With Limited Hearing	Supports	Use of the Portico interface does not depend on hearing to operate or make use of the content.

Criteria	Conformance Level	Remarks and Explanations
302.6 Without Speech	Not Applicable	No part of the Portico interface requires user speech.
302.7 With Limited Manipulation	Supports	Portico supports standard input mechanisms such as keyboards and pointing devices. There are no aspects of the site that require fine motor control or the operation of more than one control at the same time.
302.8 With Limited Reach and Strength	Supports	Portico is an online interface and device agnostic. Portico strives to ensure that all elements of the interface can be accessed via the use of a keyboard. The site is operable with limited reach and limited strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Portico strives to support users with limited language, cognitive, and learning abilities in a variety of ways: ● The interface does not contain fields that require timed reactions or any graphics or tools that may distract a user.

Criteria	Conformance Level	Remarks and Explanations
		- There are no complex, multi-stage processes inherent in the core functionality of the Portico site. - Consistency is provided on the Portico site via predictable navigation and meaningful semantic structure. - Portico does not interfere with any assistive technology that aids individuals with limited cognitive, language, and learning abilities. - The site is written in clear, simple language with the intention of making the discovery of content easy and predictable. - Errors on the site are clearly defined and instructions for remediation are readily provided.

Chapter 4: Hardware

Notes: We have deleted this section as Portico is an online web platform.

Chapter 5: Software

Notes: We have deleted this section as Portico is an online web platform.

Chapter 6: [Support Documentation and Services](#)

Notes: We have deleted this section as Portico is an online web platform

Legal Disclaimer

The information above describes the named product's ability to support the applicable Standards and Guidelines, subject to Portico's interpretation of those standards and the remarks in this document. This document addresses the named product only, as of the report date. For more information regarding the accessibility status of this product, please contact support@portico.org.

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