

Accessibility Conformance Report for Athena Desktop Edition

WCAG 2.2/Section 508 Edition
(based on VPAT® version 2.5)

Overview

Report date: October 20, 2021

Product: Athena Desktop Edition

Product description: Athena Desktop Edition is a Windows-platform test driver that delivers assessment content to examinees, providing user interactions and functionality for proctored exams delivered in testing centers.

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Notes:

- This report documents the accessibility conformance of the product as of the report date.
- References in this report to “the product,” “application,” or “Athena” refer to the product identified above.

Evaluation Methods and Scope

Trained Accessibility Quality Assurance Engineers, including native users of blindness technologies, conducted evaluations that included both automated and manual testing.

Current testing was conducted on Windows 10.

Assistive technology used during the evaluation included JAWS 2019 and a refreshable braille display.

Applicable Standards/Guidelines

This report covers the degree of conformance of the product to the accessibility standards and guidelines described in Table 1.

Table 1. Conformance with accessibility standards and guidelines

Standard/Guideline	Documentation Location	Included In Report
Web Content Accessibility Guidelines (WCAG) 2.2 (incorporates WCAG 2.0 and 2.1)	https://www.w3.org/TR/WCAG22	Level A: Yes Level AA: Yes Level AAA: No
Revised Section 508 Accessibility Standards	https://www.access-board.gov/ict	Chapter 3: Yes Chapter 4: No Chapter 5: Yes Chapter 6: No

Terms

This document uses the following terms to describe the Conformance Level of the product to a success criterion:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or with equivalent facilitation.
- **Partially Supports:** Most product functionality meets the criterion. Exceptions provided.
- **Does Not Support:** Most 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.

WCAG 2.2 Report

When reporting on conformance with the WCAG 2.2 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 2 and Table 3 also document conformance with Revised Section 508: Chapter 5 – 501.1 Scope and 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

Note: Information about WCAG and Section 508 criteria is available from the websites provided in Table 1.

Level A Success Criteria Conformance

Unless otherwise noted, the criteria in Table 2 also apply to the following sections of Revised Section 508:

- 501 (Web)(Software)
- 504.2 (Authoring Tool)
- 602.3 (Support Docs)

Table 2. Conformance to Level A success criteria

Level A Criterion	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content	Supports	Athena supports text alternatives for the non-text content, including controls, input, sensory content and images.
1.2.1 Audio-only and Video-only (Prerecorded)	Supports	Athena supports alternatives for video-only and audio-only content.
1.2.2 Captions (Prerecorded)	Supports	Videos in the application support captions for prerecorded audio.
1.2.3 Audio Description or Media Alternative (Prerecorded)	Supports	Athena supports alternatives for prerecorded video.
1.3.1 Info and Relationships	Partially Supports	Athena uses a logical structure where information and relationships can be programmatically determined or are available in text.

Level A Criterion	Conformance Level	Remarks and Explanations
1.3.2 Meaningful Sequence	Partially Supports	<p>Application presents content in a meaningful order. Following exception is in the roadmap to be fixed:</p> <ul style="list-style-type: none"> When tabbing through the page content, focus wraps from the bottom of the page back to the top, but then stops at the Calculator like it is the end of the page and appears to be unable to move away from this item due to the Unseen Content error. The user can move back up the page with Shift+Tab, but only as far as the Strikethrough button, and moving down past the Next button wraps around to the top and to those buttons.
1.3.3 Sensory Characteristics	Supports	Athena does not rely on sensory information alone to convey meaning.
1.4.1 Use of Color	Supports	Athena does not rely only on color coding to convey information.
1.4.2 Audio Control	Supports	Athena does not play audio or any multimedia automatically unless the test sponsor decides to use multimedia with auto-play.
2.1.1 Keyboard	Partially Supports	<p>All core system functionality (user menus, navigation controls) can be accessed using the keyboard. Following exceptions are in the roadmap to be fixed:</p> <ul style="list-style-type: none"> JAWS users are unable to use the up and down arrows to navigate through Exam info page content. They are required to use the Tab key. The Unseen Content warning displays even when the candidate has moved focus through the entire item content. When opening the Help window, using the down arrow to read through the content, only the Tab key navigation and the left and right arrows work to move through content. Only JAWS and ZoomText 2019 appear to be supported.

Level A Criterion	Conformance Level	Remarks and Explanations
		<p>Following exceptions are part of planned Sunset items:</p> <ul style="list-style-type: none"> • The Response Confirmation dialog only accepts the Space key with JAWS, rather than the Enter key as expected. • The instructions for interacting with the drag & drop do not work to move options between the lists, Shift+Right Arrow moves the selected option to the right list, but that is typically how a user selects text, so there needs to be instructions for this interaction type. • The strikethrough and highlight features do not appear to be keyboard accessible at all, only with the mouse cursor. • When using the Tab key to move focus to the combo box in Adjustable Font feature, then the Space key to open the list, the Down Arrow should move through the list of options but appears to select an option and close the menu as soon as focus moves to the next or previous font magnification level in the combo box, then moves focus away from the combo box to the next element.
2.1.2 No Keyboard Trap	Partially Supports	<p>Athena does not have any keyboard traps.</p> <p>Following exceptions are part of planned Sunset items:</p> <ul style="list-style-type: none"> • The Response Confirmation dialog does not appear to work with the keyboard only (no screen reader running). It requires the mouse to click the Yes and No buttons, rather than the Space or Enter keys as expected. • The Ready to Begin Exam dialog allows the use of the Tab key to move through the buttons, but neither the Space or Enter keys activate either button, requiring the use of a mouse or similar input device.
2.1.4 Character Key Shortcuts	Not Applicable	The product has no single-character keyboard shortcuts.

Level A Criterion	Conformance Level	Remarks and Explanations
2.2.1 Timing Adjustable	Supports	Time limits not subject to exception can be turned off or adjusted.
2.2.2 Pause, Stop, Hide	Supports	A mechanism exists for the user to pause, stop, or hide non-essential moving, blinking, scrolling, or auto-updating information within the product.
2.3.1 Three Flashes or Below Threshold	Supports	The product does not contain content that flashes more than three times per second.
2.4.1 Bypass Blocks <i>For Revised Section 508, Sections 501 and 602.3 – Does not apply to non-web docs</i>	Not Applicable	By design, there is no requirement to navigate to the main content area.
2.4.2 Page Titled	Not Applicable	The product is a compiled application that does not support individual page titles.
2.4.3 Focus Order	Partially Supports	<p>The focus order of the product elements preserves meaning and operability.</p> <p>Following exception is in the roadmap to be fixed:</p> <p>When an item loads, initial focus should go to the item number but instead moves to the item stem to announce the question.</p>
2.4.4 Link Purpose (In Context)	Supports	The product uses meaningful link names.
2.5.1 Pointer Gestures	Supports	All interactions can be completed with a single pointer.
2.5.2 Pointer Cancellation	Supports	All product functionality operated through a single point of screen contact occurs or reverses on the pointer up event or can be reversed before or after completion.
2.5.3 Label in Name <i>Does not apply to Revised Section 508</i>	Supports	For user interface components that have visible text labels, the programmatic component names match the visible labels.
2.5.4 Motion Actuation <i>Does not apply to Revised Section 508</i>	Not Applicable	The product has no motion-operated functionality.
3.1.1 Language of Page	Does Not Support	The product does not identify the default language of each page.

Level A Criterion	Conformance Level	Remarks and Explanations
3.2.1 On Focus	Supports	Elements do not change when they receive focus.
3.2.2 On Input	Supports	Changing the setting of any user interface component does not automatically cause a change of context.
3.2.6 Consistent Help	Not Applicable	The product does not provide human contact details or mechanisms, a self-help option, or a fully automated contact mechanism.
3.3.1 Error Identification	Supports	The product clearly identifies input errors.
3.3.2 Labels or Instructions	Supports	Content input fields are clearly labeled, and clear instructions are given for user input.
3.3.7 Redundant Entry	Not Applicable	The product does not require re-entry of information.
4.1.2 Name, Role, Value	Partially Supports	<p>Form fields, and primary item interactions are fully compliant and encoded with Name, Role, Value.</p> <p>Following exception is in the roadmap to be fixed:</p> <ul style="list-style-type: none"> Flags in the table inside of Navigator announce as false, which is confusing to the user. <p>Following exception is part of planned Sunset item:</p> <ul style="list-style-type: none"> The expandable buttons on the Item Review Screen do not indicate when they have been activated, so when collapsing a section, the button simply announces "expand" rather than telling the user that the section has been collapsed and how to expand it.

Level AA Success Criteria Conformance

Unless otherwise noted, the criteria in Table 3 also apply to the following sections of Revised Section 508:

- 501 (Web)(Software)
- 504.2 (Authoring Tool)
- 602.3 (Support Docs)

Table 3. Conformance to Level AA success criteria

Level AA Criterion	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live)	Not Applicable	There is no live media used for standardized tests. Everything is pre-recorded.
1.2.5 Audio Description (Prerecorded)	Supports	Athena supports alternative video files with audio description built into the audio track.
1.3.4 Orientation <i>Does not apply to Revised Section 508</i>	Supports	The product supports system-level orientation settings.
1.3.5 Identify Input Purpose <i>Does not apply to Revised Section 508</i>	Supports	The purpose of input fields can be programmatically determined.
1.4.3 Contrast (Minimum)	Partially Supports	<p>All primary functions can be customized to meet 4.5:1 color contrast requirement.</p> <p>Following exception is in the roadmap to be fixed:</p> <ul style="list-style-type: none"> • Contrast between the red text and the yellow row highlight is only 2.7:1 in Navigator. <p>Following exception is part of planned Sunset item:</p> <ul style="list-style-type: none"> • When the light purple bar contains text and graphics required to use the application, the contrast between the purple and the white text or graphics is only 2.7:1, along with the vertical scrollbar (when visible) and the Adjustable Font combo box, while contrast between the yellow flags and the purple bar is only 2.4:1.
1.4.4 Resize text	Supports	Text can be resized to at least 200% without loss of content or function.
1.4.5 Images of Text	Not Applicable	Athena Desktop does not include images of text.

Level AA Criterion	Conformance Level	Remarks and Explanations
1.4.10 Reflow <i>Does not apply to Revised Section 508</i>	Supports	Content can be resized without assistive technology up to 400% without loss of content or introduction of bidirectional scrolling.
1.4.11 Non-text Contrast <i>Does not apply to Revised Section 508</i>	Supports	Non-text elements of the product meet or exceed the minimum color contrast ratio of 3:1.
1.4.12 Text Spacing <i>Does not apply to Revised Section 508</i>	Not Applicable	The product is a compiled application incapable of overriding the authored text spacing.
1.4.13 Content on Hover or Focus <i>Does not apply to Revised Section 508</i>	Supports	Pop-up content does not prevent user access to other page content, and users have adequate access to pop-up content.
2.4.5 Multiple Ways <i>For Revised Section 508, Sections 501 and 602.3 – Does not apply to non-web docs</i>	Supports	The product provides more than one way to locate a Web page within a set of Web pages.
2.4.6 Headings and Labels	Supports	Headings and labels describe the content topic or purpose.
2.4.7 Focus Visible	Supports	Keyboard focus is visible and can be enhanced for assistive technology-enabled forms to improve visual perception.
2.4.11 Focus Not Obscured (Minimum)	Supports	When a user interface component receives keyboard focus, the component is not entirely hidden due to author-created content.
2.5.7 Dragging Movements	Supports	All functionality that uses a dragging movement for operation can be achieved by a single pointer without dragging, unless dragging is essential or the functionality is determined by the user agent and not modified by the author.
2.5.8 Target Size (Minimum)	Supports	All pointer-input targets are at least 24-by-24 CSS pixels unless they have equivalent spacing or an alternative control, the target is inline, the size is determined by the user agent, or a specific target presentation is required.
3.1.2 Language of Parts	Does Not Support	Athena does not use language attributes for screen reader users.

Level AA Criterion	Conformance Level	Remarks and Explanations
3.2.3 Consistent Navigation <i>For Revised Section 508, Sections 501 and 602.3 – Does not apply to non-web docs</i>	Supports	The application presents repeated navigation elements in the same relative order.
3.2.4 Consistent Identification <i>For Revised Section 508, Sections 501 and 602.3 – Does not apply to non-web docs</i>	Supports	The application consistently identifies repeated functional elements.
3.3.3 Error Suggestion	Supports	The application provides suggestions when user input results in validation errors.
3.3.4 Error Prevention (Legal, Financial, Data)	Supports	The application helps prevent errors by checking, confirming, and allowing reversal of user input submissions.
3.3.8 Accessible Authentication (Minimum)	Supports	A cognitive function test is not required for any step in an authentication process.
4.1.3 Status Messages <i>Does not apply to Revised Section 508</i>	Supports	Status messages are promptly displayed or communicated to the user.

Level AAA Success Criteria Conformance

This report does not cover the degree of conformance of the product to WCAG 2.x Level AAA Success Criteria.

Revised Section 508 Report

These standards address access to information and communication technology (ICT) under Section 508 of the Rehabilitation Act. Application and scoping information, including definitions and exceptions, is specified in:

- Chapter 1: Application and Administration
- Chapter 2: Scoping Requirements

Note: Information about Section 508 criteria is available from the website provided in Table 1.

Chapter 3: Functional Performance Criteria (FPC)

Note: Section 301 defines the scope of Chapter 3. The table does not include that section.

Table 4. Conformance to Section 508 Chapter 3 criteria

Functional Performance Criterion	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	At least one mode of operation does not require user vision. Exceptions: Refer to Table 2, criteria 1.3.1, 1.3.2, 2.1.1, 2.1.2, 2.4.3, 3.1.1, and 4.1.2 and Table 3, criterion 3.1.2.
302.2 With Limited Vision	Partially Supports	At least one mode of operation enables users to make use of limited vision. Exceptions: Refer to Table 2, criteria 1.3.1, 1.3.2, 2.1.1, 2.1.2, 2.4.3, 3.1.1, and 4.1.2 and Table 3, criterion 3.1.2.
302.3 Without Perception of Color	Supports	At least one visual mode of operation does not require user perception of color.
302.4 Without Hearing	Supports	At least one mode of operation does not require user hearing.
302.5 With Limited Hearing	Supports	At least one mode of operation enables users to make use of limited hearing.
302.6 Without Speech	Supports	At least one mode of operation does not require user speech.
302.7 With Limited Manipulation	Partially Supports	At least one mode of operation does not require fine motor control or simultaneous manual operations.

Functional Performance Criterion	Conformance Level	Remarks and Explanations
		Exceptions: Refer to Table 2, criteria 2.1.1, 2.1.2, 2.4.3, and 4.1.2.
302.8 With Limited Reach and Strength	Supports	At least one mode of operation is operable with limited reach and limited strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The product provides features to simplify use by individuals with limited cognitive, language, and learning abilities.

Chapter 4: Hardware

Note: The Chapter 4 standards do not apply to this product because the product has no hardware components.

Chapter 5: Software

Note: Section 501 defines the scope of Chapter 5. Subsections 50x.1 state that the elements of each section shall conform to that section. The table does not include these sections and subsections.

Table 5. Conformance to Section 508 Chapter 5 criteria

Software Criterion	Conformance Level	Remarks and Explanations
502 Interoperability with Assistive Technology	Heading cell—no response required	Heading cell—no response required
502.2.1 User Control of Accessibility Features	Partially Supports	Accessibility features that are part of the OS can be turned on prior to the test by the Test Administrator.
502.2.2 No Disruption of Accessibility Features	Partially Supports	Accessibility features that are part of the OS can be turned on prior to the test by the Test Administrator.
502.3.1 Object Information	Supports	Object role, state(s), boundary, name, and description can be programmatically determined.

Software Criterion	Conformance Level	Remarks and Explanations
502.3.2 Modification of Object Information	Supports	States and properties the user can set can be set programmatically, including through assistive technology.
502.3.3 Row, Column, and Headers	Supports	In data tables, occupied rows and columns and their headers can be programmatically determined.
502.3.4 Values	Supports	Current and allowable values associated with an object can be programmatically determined.
502.3.5 Modification of Values	Supports	Values the user can set can be set programmatically, including through assistive technology.
502.3.6 Label Relationships	Supports	Component labels and labeled components can be programmatically determined.
502.3.7 Hierarchical Relationships	Does Not Support	Hierarchical relationships like headings are not identified to screen reader users.
502.3.8 Text	Supports	The content of text objects and attributes, and the boundaries of rendered text, can be programmatically determined.
502.3.9 Modification of Text	Supports	Text that users can set can be set programmatically, including through assistive technology.
502.3.10 List of Actions	Supports	Actions available to users can be programmatically determined.
502.3.11 Actions on Objects	Supports	Assistive technology can programmatically execute actions on objects.
502.3.12 Focus Cursor	Supports	Focus, the text insertion point, and selection attributes of UI components are tracked.
502.3.13 Modification of Focus Cursor	Supports	Focus, the text insertion point, and selection attributes the user can set can be set

Software Criterion	Conformance Level	Remarks and Explanations
		programmatically, including through assistive technology.
502.3.14 Event Notification	Supports	Notifications of events relevant to user interactions are available to assistive technology.
502.4 Platform Accessibility Features	Not Applicable	The product does not meet the definition of platform software.
503 Applications	Heading cell–no response required	Heading cell–no response required
503.2 User Preferences	Supports	The product permits user preferences from platform settings for color, contrast, font type, font size, and focus cursor.
503.3 Alternative User Interfaces	Not Applicable	The product does not provide an alternative user interface that functions as assistive technology.
503.4.1 Caption Controls	Supports	Videos in the application support captions for prerecorded audio.
503.4.2 Audio Description Controls	Supports	Athena supports alternative video files with audio description built into the audio track.
504 Authoring Tools	Not Applicable	The product has no authoring tools.

Chapter 6: Support Documentation and Services

Note: The Chapter 6 standards do not apply to this product because the product does not provide support documentation or services to end users.

Legal Disclaimer

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