

VPAT 2.4 Accessibility Conformance Report for ReadSpeaker docReader

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Name of product/version: ReadSpeaker docReader version 4.9.0 and higher; current version 4.9.0.

Product description: Cloud based TTS service for speech-enabling online documents.

Contact information: support@readspeaker.com

Evaluation methods used: Conformance to WCAG 2.1 level AA has been assessed internally by ReadSpeaker. Additional manual testing using assistive technologies and analysis tools has been conducted by ReadSpeaker.

Report revision history: First version using VPAT 2.4 (previous reports were done in Sept 2019 with VPAT 1.3 and in June 2020 with VPAT 2.2).

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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 2.1, at https://www.w3.org/TR/WCAG2	Level A Yes Level AA Yes Level AAA No
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017 with Corrections to the ICT Final Rule as published by the US Access Board in the Federal Register on 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 2.1 Level AAA

WCAG 2.1 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 2.1 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.1 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
<p>1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses standard HTML and WAI-ARIA techniques for providing text equivalents of non-text elements. Some purely decorative elements that have no functional or informational purpose may not provide a text alternative.
<p>1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not applicable	docReader does not contain prerecorded audio.
<p>1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not applicable	docReader does not contain prerecorded audio.
<p>1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not applicable	docReader does not contain prerecorded audio.

Criteria	Conformance Level	Remarks and Explanations
<p>1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Information, structure and relationships in docReader can be programmatically determined via markup.
<p>1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader generates semantically-correct markup to allow assistive technologies to programmatically assess the right sequence of content and controls.
<p>1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses WAI-ARIA techniques to ensure that components are correctly conveyed to assistive technologies.
<p>1.4.1 Use of Color (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader does not use color as only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.2 Audio Control (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	<p>Supports</p>	<p>Audio is never played automatically by docReader except in rare customer implementations. The user always has full control of audio playback, etc. via mouse, keyboard or touch screen.</p>
<p>2.1.1 Keyboard (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	<p>Supports</p>	<p>All docReader functionality is operable using a keyboard. The only exceptions are components where mouse interaction is essential for the usage of the tool, such as docReader's annotation module.</p>
<p>2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	<p>Supports</p>	<p>docReader supports standard keyboard navigation and ensures that keyboard users cannot be trapped in content requiring the use of other input methods.</p>
<p>2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	<p>Supports</p>	<p>docReader has a context menu that pops up when user selects content in the document. The user can change the time limit before it automatically closes, or tell it to not close at all, unless the user shifts focus to another object.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses moving and scrolling elements to show reading position and provide text highlighting in parallel with the text-to-speech audio. All movement is controlled by the user and never starts without the user's input.
<p>2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader does not contain parts that flashes more than three times in one second.
<p>2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader assists in reading online documents, including only the document content itself. docReader enables users to skip directly to the audio player controls, bypassing blocks that repeat on page reloads.
<p>2.4.2 Page Titled (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Partially supports	docReader has titles on dialogs/windows. Some tools present the result in a modal window without title; however, in those cases it is assumed that the user picked the tool and knows what the window represents.

Criteria	Conformance Level	Remarks and Explanations
<p>2.4.3 Focus Order (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Navigation of elements in docReader using keyboard (e.g. with tab) works in a logical sequence.
<p>2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses descriptive text or WAI-ARIA attributes to identify the purpose of links.
<p>2.5.1 Pointer Gestures (Level A)</p>	Supports	docReader does not use multipoint or path based gestures except some Annotation tools where path-based gestures are essential in order to draw shapes.
<p>2.5.2 Pointer Cancellation (Level A)</p>	Supports	docReader does not use mouse down events except in rare cases where this is essential.
<p>2.5.3 Label in Name (Level A)</p>	Supports	
<p>3.1.1 Language of Page (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader provides information that makes it possible to programmatically determine the language of the UI as well as the document content.
<p>2.5.4 Motion Actuation (Level A)</p>	Supports	docReader does not have motion actuation.

Criteria	Conformance Level	Remarks and Explanations
<p>3.2.1 On Focus (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	In docReader, changing focus (e.g. using tab to navigate) never changes context.
<p>3.2.2 On Input (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Changing the setting of a control in docReader never changes context.
<p>3.3.1 Error Identification (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Not applicable	docReader takes no text input from users.
<p>3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses standard HTML and WAI-ARIA attributes to associate labels and instructions to user interface elements.

Criteria	Conformance Level	Remarks and Explanations
<p>4.1.1 Parsing (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	All markup in docReader is well formed according to markup language specifications.
<p>4.1.2 Name, Role, Value (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader uses standard HTML and WAI-ARIA attributes to describe the identity, role, operation, and state of user interface elements.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.4 Captions (Live) (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader is a text-to-speech product and produces audio from document content that is displayed on screen. The corresponding content is being highlighted while speech audio is playing. docReader does not contain prerecorded audio.

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.5 Audio Description (Prerecorded) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader does not contain video.
<p>1.3.4 Orientation (Level AA)</p>	Supports	docReader does not have features that require a certain view orientation.
<p>1.3.5 Identify Input Purpose (Level AA)</p>	Supports	docReader doesn't have input fields collecting information about the user.
<p>1.4.3 Contrast (Minimum) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	All text in docReader has a sufficient contrast ratio, unless the user actively chooses color combinations that result in too low contrast.
<p>1.4.4 Resize text (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader supports standard zoom capabilities built into modern web browsers. In addition, docReader offers zooming document content in or out.

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.5 Images of Text (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	docReader does not contain any images of text.
<p>1.4.10 Reflow (Level AA)</p>	Supports	
<p>1.4.11 Non-text Contrast (Level AA)</p>	Supports	docReader has sufficient text contrast.
<p>1.4.12 Text Spacing (Level AA)</p>	Supports	
<p>1.4.13 Content on Hover or Focus (Level AA)</p>	Supports	In docReader, actual content is never changed by hover or focus.
<p>2.4.5 Multiple Ways (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 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	docReader is a one-page web application, but offers multiple ways of navigating between document pages.
<p>2.4.6 Headings and Labels (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	All headings and labels in docReader are descriptive.

Criteria	Conformance Level	Remarks and Explanations
<p>2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	Focus during keyboard navigation is always visible in docReader.
<p>3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports	The language of the document content can differ from the rest of the UI. docReader provides information that makes it possible to programmatically determine the language of a certain part of the page.
<p>3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 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	The user interface of docReader has a consistent structure, where tools such as Translate and Dictionary are accessible from the same menu and follow the same structure and layout pattern.
<p>3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> ● 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	In rare cases where docReader components are repeated they are also identified consistently.

Criteria	Conformance Level	Remarks and Explanations
<p>3.3.3 Error Suggestion (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports (N/A)	docReader takes no text input from users.
<p>3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) 	Supports (N/A)	docReader does not cause legal commitments, offer financial transactions, modify or delete user-controllable data in data-storage systems, or submit user test responses.
<p>4.1.3 Status Messages (Level AA)</p>	Supports	

Table 3: Success Criteria, Level AAA

Notes: This table is not included since docReader does not conform to WCAG 2.1 level AAA (only A and AA as seen above).

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	docReader uses standard HTML and ARIA attributes to convey the identity, operation, and state of user interface elements to Assistive Technologies, and to let the user operate docReader.
302.2 With Limited Vision	Supports	docReader supports standard browser magnification and contrast adjustments.
302.3 Without Perception of Color	Supports	docReader does not use color as only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
302.4 Without Hearing	Supports	Although docReader is a text-to-speech product, people with no hearing can control all its features without hearing the speech.

Criteria	Conformance Level	Remarks and Explanations
302.5 With Limited Hearing	Supports	Although docReader is a text-to-speech product, people with limited hearing can control all its features without hearing the speech.
302.6 Without Speech	Supports	docReader does not use speech input.
302.7 With Limited Manipulation	Supports	Usage of docReader does not require fine motor controls nor simultaneous actions.
302.8 With Limited Reach and Strength	Supports	docReader can be used well by users with limited reach and strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	docReader is directly targeted towards people with limited language, cognitive and learning abilities.

Chapter 4: Hardware

Notes: ReadSpeaker docReader is a web application and is not subject to the requirements of this section.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.1 section	See information in the WCAG 2.1 section
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features	Not applicable	docReader is not considered platform software as defined by Section 508.
502.2.2 No Disruption of Accessibility Features	Supports	docReader does not disrupt accessibility features in the underlying platforms (OS or browser).
502.3 Accessibility Services		
502.3.1 Object Information	Supports	docReader uses WAI-ARIA attributes to describe the role, state, and description of user interface elements.
502.3.2 Modification of Object Information	Supports	docReader uses standard HTML or ARIA object roles for maximum compatibility with assistive technologies.
502.3.3 Row, Column, and Headers	Not applicable	docReader does not contain data tables.
502.3.4 Values	Supports	docReader uses standard HTML and ARIA object attributes to ensure that values are possible to determine with assistive technology.

Criteria	Conformance Level	Remarks and Explanations
502.3.5 Modification of Values	Supports	docReader uses standard HTML and ARIA object attributes to ensure that values are possible to modify with assistive technology.
502.3.6 Label Relationships	Supports	All label relationships in docReader are set via standard HTML and possible to determine with assistive technology.
502.3.7 Hierarchical Relationships	Supports	All object hierarchies in docReader are based on standard HTML and possible to determine with assistive technology.
502.3.8 Text	Supports	The contents of all text objects in docReader is plain text and possible to determine with assistive technology.
502.3.9 Modification of Text	Not applicable	docReader does not contain text that can be set by the user.
502.3.10 List of Actions	Supports	All actions in docReader can be programmatically determined.
502.3.11 Actions on Objects	Supports	All actions in docReader can be programmatically performed by assistive technologies.
502.3.12 Focus Cursor	Supports	docReader uses visual changes to elements to indicate the current position of focus.

Criteria	Conformance Level	Remarks and Explanations
502.3.13 Modification of Focus Cursor	Supports	docReader uses standard HTML elements with standard cursor controls for user input.
502.3.14 Event Notification	Supports	docReader does not provide notifications that are not available to assistive technology.
502.4 Platform Accessibility Features	Not applicable	docReader is not platform software as defined by Section 508.
503 Applications		
503.2 User Preferences	Partially supports	docReader generally respects user preferences from the browser or OS. Browser's font size is currently not taken into account, however zoom state is.
503.3 Alternative User Interfaces	Not applicable	docReader does not have alternative user interfaces.
503.4 User Controls for Captions and Audio Description		
503.4.1 Caption Controls	Not applicable	docReader does not provide video.
503.4.2 Audio Description Controls	Not applicable	docReader does not provide video.

Criteria	Conformance Level	Remarks and Explanations
504 Authoring Tools		
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	Not applicable	docReader is not an authoring tool.
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	docReader is not an authoring tool.
504.2.2 PDF Export	Not applicable	docReader is not an authoring tool.
504.3 Prompts	Not applicable	docReader is not an authoring tool.
504.4 Templates	Not applicable	docReader is not an authoring tool.

Chapter 6: Support Documentation and Service

Notes: This report covers accessibility conformance for ReadSpeaker docReader and does not discuss documentation or support services.

Legal Disclaimer

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