

# VPAT 2.2 Accessibility Conformance Report for ReadSpeaker webReader

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**Name of product/version:** ReadSpeaker webReader version 3.0 and higher; current version 3.1.4

**Product description:** Cloud based TTS service for speech-enabling web pages

**Contact information:** [support@readspeaker.com](mailto:support@readspeaker.com)

**Evaluation methods used:** Conformance to WCAG 2.0 level AA has been assessed and verified by Vision Australia. Additional manual testing using assistive technologies and analysis tools has been conducted by ReadSpeaker.

**Report revision history:** initial version using VPAT 2.2 (previous report was done in April 2018 with VPAT 1.3).

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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 2.0, at <a href="http://www.w3.org/TR/2008/REC-WCAG20-20081211/">http://www.w3.org/TR/2008/REC-WCAG20-20081211/</a>	Level A <b>Yes</b> Level AA <b>Yes</b> Level AAA <b>No</b>
<a href="#">Revised Section 508 standards</a> as published by the U.S. Access Board in the Federal Register on January 18, 2017 with <a href="#">Corrections to the ICT Final Rule</a> as published by the US Access Board in the Federal Register on January 22, 2018	<b>Yes</b>

## 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 2.0 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 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
<p><b>1.1.1 Non-text Content</b> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Supports	WebReader 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><b>1.2.1 Audio-only and Video-only (Prerecorded)</b> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader does not contain prerecorded audio.
<p><b>1.2.2 Captions (Prerecorded)</b> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader does not contain prerecorded audio.
<p><b>1.2.3 Audio Description or Media Alternative (Prerecorded)</b> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader does not contain prerecorded audio.

Criteria	Conformance Level	Remarks and Explanations
<p><b>1.3.1 Info and Relationships</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Information, structure and relationships in webReader can be programmatically determined via markup.
<p><b>1.3.2 Meaningful Sequence</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader generates semantically-correct markup to allow assistive technologies to programmatically assess the right sequence of content and controls.
<p><b>1.3.3 Sensory Characteristics</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader uses WAI-ARIA techniques to ensure that components are correctly conveyed to assistive technologies.
<p><b>1.4.1 Use of Color</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader does not use color as only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
<p><b>1.4.2 Audio Control</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Audio is never played automatically by webReader except in rare customer implementations. The user always has full control of audio playback, volume, position, etc. via mouse, keyboard or touch screen.

Criteria	Conformance Level	Remarks and Explanations
<p><b>2.1.1 Keyboard</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	All webReader functionality is operable using keyboard.
<p><b>2.1.2 No Keyboard Trap</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader supports standard keyboard navigation and ensures that keyboard users cannot be trapped in content requiring the use of other input methods.
<p><b>2.2.1 Timing Adjustable</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader has no timing functions and thus no content that is altered on “time out”.
<p><b>2.2.2 Pause, Stop, Hide</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader 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 user and never starts without the user’s input.
<p><b>2.3.1 Three Flashes or Below Threshold</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader does not contain parts that flashes more than three times in one second.



Criteria	Conformance Level	Remarks and Explanations
<p><b>2.4.1 Bypass Blocks</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Although webReader is not a web page itself and thus does not provide content, but assists in reading web pages, it lets the user skip parts or blocks of contents to read.
<p><b>2.4.2 Page Titled</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Partially supports	WebReader 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.
<p><b>2.4.3 Focus Order</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Navigation of elements in webReader using keyboard (e.g. with tab) works in a logical sequence.
<p><b>2.4.4 Link Purpose (In Context)</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader uses descriptive text or WAI-ARIA attributes to identify the purpose of links.
<p><b>3.1.1 Language of Page</b> (Level A)                      Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	The language of webReader is set by the maintainer of the webpage where webReader is being used. However, sufficient handling of different languages is an integral part of webReader.

Criteria	Conformance Level	Remarks and Explanations
<p><b>3.2.1 On Focus</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	In webReader, changing focus (e.g. using tab to navigate) never changes context.
<p><b>3.2.2 On Input</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Changing the setting of a control in webReader never changes context.
<p><b>3.3.1 Error Identification</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader takes no text input from users.
<p><b>3.3.2 Labels or Instructions</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader uses standard HTML and WAI-ARIA attributes to associate labels and instructions to user interface elements.
<p><b>4.1.1 Parsing</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	All markup in webReader is well formed according to markup language specifications.

Criteria	Conformance Level	Remarks and Explanations
<p><b>4.1.2 Name, Role, Value</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Supports	WebReader 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><b>1.2.4 Captions (Live)</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Supports	WebReader is a text-to-speech product and produces audio from content that is already in text form. The corresponding text is being highlighted while speech audio is playing. Webreader does not contain prerecorded audio.
<p><b>1.2.5 Audio Description (Prerecorded)</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader does not contain video.

Criteria	Conformance Level	Remarks and Explanations
<p><b>1.4.3 Contrast (Minimum)</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	All text in webReader has a sufficient contrast ratio.
<p><b>1.4.4 Resize text</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader supports standard zoom capabilities built into modern web browsers and operating systems.
<p><b>1.4.5 Images of Text</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader does not contain any images of text.
<p><b>2.4.5 Multiple Ways</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Not applicable	Although webReader is a web application based on HTML, CSS and Javascript, it is not a web page and does not have navigation links in the traditional sense.

Criteria	Conformance Level	Remarks and Explanations
<p><b>2.4.6 Headings and Labels</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	All headings and labels in webReader are descriptive.
<p><b>2.4.7 Focus Visible</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	Focus during keyboard navigation is always visible in webReader.
<p><b>3.1.2 Language of Parts</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Supports	WebReader does not mix languages (except inside its translation tool, where it is marked up) and does not control the language of the surrounding web page.
<p><b>3.2.3 Consistent Navigation</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Supports	The user interface of webReader has a consistent structure, where tools such as Translate and Word Lookup are accessible from the same menu and follow the same structure and layout pattern.

Criteria	Conformance Level	Remarks and Explanations
<p><b>3.2.4 Consistent Identification</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Supports	In rare cases where webReader components are repeated they are also identified consistently.
<p><b>3.3.3 Error Suggestion</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader takes no text input from users.
<p><b>3.3.4 Error Prevention (Legal, Financial, Data)</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Not applicable	WebReader does not cause legal commitments, offer financial transactions, modify or delete user-controllable data in data-storage systems, or submit user test responses.

### Table 3: Success Criteria, Level AAA

Notes: This table is not included since webReader does not conform to WCAG 2.0 level AAA (only A and AA as seen above).

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# Revised Section 508 Report

## Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	WebReader 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 WebReader.
302.2 With Limited Vision	Supports	WebReader supports standard browser magnification and contrast adjustments.
302.3 Without Perception of Color	Supports	WebReader 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 webReader is a text-to-speech product, people with no hearing can control all its features without hearing the speech.
302.5 With Limited Hearing	Supports	Although webReader is a text-to-speech product, people with limited hearing can control all its features without hearing the speech.

Criteria	Conformance Level	Remarks and Explanations
302.6 Without Speech	Supports	WebReader does not use speech input.
302.7 With Limited Manipulation	Supports	Usage of webReader does not require fine motor controls nor simultaneous actions.
302.8 With Limited Reach and Strength	Supports	WebReader can be used well by users with limited reach and strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	WebReader is directly targeted towards people with limited language, cognitive and learning abilities.

## Chapter 4: Hardware

Notes: ReadSpeaker webReader 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 <a href="#">WCAG 2.0</a> section	See information in WCAG section
<b>502 Interoperability with Assistive Technology</b>		
502.2.1 User Control of Accessibility Features	Not applicable	WebReader is not considered platform software as defined by Section 508.



Criteria	Conformance Level	Remarks and Explanations
502.2.2 No Disruption of Accessibility Features	Supports	WebReader does not disrupt accessibility features in the underlying platforms (OS or browser).
<b>502.3 Accessibility Services</b>		
502.3.1 Object Information	Supports	WebReader uses WAI-ARIA attributes to describe the role, state, and description of user interface elements.
502.3.2 Modification of Object Information	Supports	WebReader uses standard HTML or ARIA object roles for maximum compatibility with assistive technologies.
502.3.3 Row, Column, and Headers	Not applicable	WebReader does not contain data tables.
502.3.4 Values	Supports	WebReader uses standard HTML and ARIA object attributes to ensure that values are possible to determine with assistive technology.
502.3.5 Modification of Values	Supports	WebReader 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 WebReader are set via standard HTML and possible to determine with assistive technology.
502.3.7 Hierarchical Relationships	Supports	All object hierarchies in WebReader are based on standard HTML and possible to determine with assistive technology.

Criteria	Conformance Level	Remarks and Explanations
502.3.8 Text	Supports	The contents of all text objects in WebReader is plain text and possible to determine with assistive technology.
502.3.9 Modification of Text	Not applicable	WebReader does not contain text that can be set by the user.
502.3.10 List of Actions	Supports	All actions in WebReader can be programmatically determined.
502.3.11 Actions on Objects	Supports	All actions in WebReader can be programmatically performed by assistive technologies.
502.3.12 Focus Cursor	Supports	WebReader uses visual changes to elements to indicate the current position of focus.
502.3.13 Modification of Focus Cursor	Supports	WebReader uses standard HTML elements with standard cursor controls for user input.
502.3.14 Event Notification	Supports	WebReader does not provide notifications that are not available to assistive technology.
502.4 Platform Accessibility Features	Not applicable	WebReader is not platform software as defined by Section 508.

Criteria	Conformance Level	Remarks and Explanations
<b>503 Applications</b>		
503.2 User Preferences	Partially supports	WebReader generally respects user preferences from the browser or OS. If a user enables high contrast mode, webReader will display with high contrast. Browser's font size is currently not taken into account, however zoom state is.
503.3 Alternative User Interfaces	Not applicable	WebReader does not have alternative user interfaces.
<b>503.4 User Controls for Captions and Audio Description</b>		
503.4.1 Caption Controls	Not applicable	WebReader does not provide video.
503.4.2 Audio Description Controls	Not applicable	WebReader does not provide video.
<b>504 Authoring Tools</b>		
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	Not applicable	WebReader is not an authoring tool.
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	WebReader is not an authoring tool.
504.2.2 PDF Export	Not applicable	WebReader is not an authoring tool.
504.3 Prompts	Not applicable	WebReader is not an authoring tool.
504.4 Templates	Not applicable	WebReader is not an authoring tool.

## Chapter 6: Support Documentation and Service

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

### Legal Disclaimer

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