

# CodonCode Corporation Accessibility Conformance Report

## Revised Section 508 Edition

(Based on VPAT® Version 2.5)

**Name of Product/Version:** CodonCode Aligner version 11 and above

**Report Date:** March 21, 2024

**Product Description:** DNA sequence analysis software

**Contact Information:** [support@codoncode.com](mailto:support@codoncode.com)

**Evaluation Methods Used:** Accessibility evaluation assessments incorporate a variety of measures, which include automated testing and performing inspection and manual testing.

### Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

| Standard/Guideline  | Included In Report                                |
|---|---|
| <a href="#">Web Content Accessibility Guidelines 2.0</a>  | Level A (Yes)<br>Level AA (Yes)<br>Level AAA (No) |
| <a href="#">Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018</a> | (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 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- 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

Notes:

| Criteria   | Conformance Level  | Remarks and Explanations  |
|--|--------------------|---|
| <a href="#">1.1.1 Non-text Content</a> (Level A)                                     | Partially Supports | Almost all controls can be displayed in text form. Many elements like diagrams that are usually displayed in a visual context, are also available in text format (e.g. restriction maps, primer design, etc.). However certain elements such as sequence viewing depend heavily on visualization, and while they are supplemented with tool tips or other text support, the same effect can sometimes not be obtained with text only. |
| <a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a> (Level A)              | Supports           | CodonCode Aligner does not include any prerecorded media.   |
| <a href="#">1.2.2 Captions (Prerecorded)</a> (Level A)                               | Supports           | CodonCode Aligner does not include any prerecorded media.   |
| <a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a> (Level A) | Supports           | CodonCode Aligner does not include any prerecorded media.   |
| <a href="#">1.3.1 Info and Relationships</a> (Level A)                               | Partially Supports | Information and relationships can often, but not always, be programmatically determined, or be shown in text form.  |
| <a href="#">1.3.2 Meaningful Sequence</a> (Level A)                                  | Partially Supports |   |
| <a href="#">1.3.3 Sensory Characteristics</a> (Level A)                              | Partially Supports | Most instructions for content in CodonCode Aligner do not rely only on sensory characteristics, and also provide textual identification.  |
| <a href="#">1.4.1 Use of Color</a> (Level A)   | Supports           | Some elements such as annotations may use color as the main distinguishing characteristic, but information about these elements can also be obtain through alternative means such as tooltips or choosing different display settings.   |
| <a href="#">1.4.2 Audio Control</a> (Level A)  | Supports           | CodonCode Aligner does not include any webpages or audio files.   |
| <a href="#">2.1.1 Keyboard</a> (Level A)   | Partially Supports | Most controls can be operated with the keyboard. CodonCode Aligner allows for the creation of custom keyboard shortcuts for its features.   |
| <a href="#">2.1.2 No Keyboard Trap</a> (Level A)                                     | Partially Supports |   |

| Criteria   | Conformance Level  | Remarks and Explanations   |
|--|--------------------|--|
| <a href="#">2.2.1 Timing Adjustable</a> (Level A)                | Supports           |  |
| <a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)                | Supports           | Content is not animated by the application. All updates are initiated by the user, not automatically.  |
| <a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A) | Supports           |  |
| <a href="#">2.4.1 Bypass Blocks</a> (Level A)                    | Not Applicable     |  |
| <a href="#">2.4.2 Page Titled</a> (Level A)                      | Supports           |  |
| <a href="#">2.4.3 Focus Order</a> (Level A)                      | Supports           |  |
| <a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)        | Supports           |  |
| <a href="#">3.1.1 Language of Page</a> (Level A)                 | Supports           |  |
| <a href="#">3.2.1 On Focus</a> (Level A)                         | Supports           |  |
| <a href="#">3.2.2 On Input</a> (Level A)                         | Supports           |  |
| <a href="#">3.3.1 Error Identification</a> (Level A)             | Supports           |  |
| <a href="#">3.3.2 Labels or Instructions</a> (Level A)           | Supports           |  |
| <a href="#">4.1.1 Parsing</a> (Level A)                          | Supports           | For WCAG 2.0 and the 508 standards, the September 2023 errata update indicates this criterion is always supported. See the <a href="#">WCAG 2.0 Editorial Errata</a> . |
| <a href="#">4.1.2 Name, Role, Value</a> (Level A)                | Partially Supports |  |

**Table 2: Success Criteria, Level AA**

Notes:

| Criteria   | Conformance Level | Remarks and Explanations   |
|--|-------------------|--|
| <a href="#">1.2.4 Captions (Live)</a> (Level AA)                 | Supports          | CodonCode Aligner does not include any live audio content.   |
| <a href="#">1.2.5 Audio Description (Prerecorded)</a> (Level AA) | Supports          | CodonCode Aligner does not include any prerecorded media.  |
| <a href="#">1.4.3 Contrast (Minimum)</a> (Level AA)              | Supports          | The default settings in CodonCode Aligner meet the required contrast minimum, but it is possible for the user to change the colors and background colors to settings that may not meet the minimum contrast requirement. |

| Criteria   | Conformance Level  | Remarks and Explanations  |
|--|--------------------|---|
| <a href="#">1.4.4 Resize text</a> (Level AA)                               | Supports           |   |
| <a href="#">1.4.5 Images of Text</a> (Level AA)                            | Supports           |   |
| <a href="#">2.4.5 Multiple Ways</a> (Level AA)                             | Not Applicable     |   |
| <a href="#">2.4.6 Headings and Labels</a> (Level AA)                       | Supports           |   |
| <a href="#">2.4.7 Focus Visible</a> (Level AA)                             | Supports           |   |
| <a href="#">3.1.2 Language of Parts</a> (Level AA)                         | Partially Supports | Content like sample names can be set by application users without requiring them to define the language used. |
| <a href="#">3.2.3 Consistent Navigation</a> (Level AA)                     | Not Applicable     |   |
| <a href="#">3.2.4 Consistent Identification</a> (Level AA)                 | Not Applicable     |   |
| <a href="#">3.3.3 Error Suggestion</a> (Level AA)                          | Supports           |   |
| <a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a> (Level AA) | Not Applicable     |   |

### Table 3: Success Criteria, Level AAA

Notes: Table 3 has been removed because this product has not been tested for conformance to WCAG Level AAA criteria.

# Revised Section 508 Report

Notes:

## Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

| Criteria                          | Conformance Level  | Remarks and Explanations   |
|-----------------------------------|--------------------|--|
| 302.1 Without Vision              | Partially Supports | CodonCode Aligner does not interfere with Assistive Technologies provided by supported operating systems. However certain elements such as sequence viewing depend heavily on visualization, and while they are supplemented with tool tips or other text support, the same effect of understanding may sometimes not be obtained without visualization. |
| 302.2 With Limited Vision         | Partially Supports | CodonCode Aligner does not interfere with Assistive Technologies provided by supported operating systems. However certain elements such as sequence viewing depend heavily on visualization, and while they are supplemented with tool tips or other text support, the same effect of understanding may sometimes not be obtained with limited vision.   |
| 302.3 Without Perception of Color | Partially Supports | CodonCode Aligner does not interfere with Assistive Technologies provided by supported operating systems.  |
| 302.4 Without Hearing             | Supports           | CodonCode Aligner does not utilize audible modes of operation.   |
| 302.5 With Limited Hearing        | Supports           | CodonCode Aligner does not utilize audible modes of operation.   |
| 302.6 Without Speech              | Supports           | CodonCode Aligner does not utilize speech input, control, or operation.  |

| Criteria   | Conformance Level  | Remarks and Explanations  |
|--|--------------------|---|
| 302.7 With Limited Manipulation                                | Partially Supports | CodonCode Aligner does not interfere with Assistive Technologies provided by supported operating systems. However some features in CodonCode Aligner may require mouse or keyboard usage. |
| 302.8 With Limited Reach and Strength                          | Supports           |   |
| 302.9 With Limited Language, Cognitive, and Learning Abilities | Partially Supports |   |

## Chapter 4: [Hardware](#)

Notes: Table 4 has been removed because CodonCode Aligner does not include any hardware.

## Chapter 5: [Software](#)

Notes:

| Criteria   | Conformance Level                   | Remarks and Explanations             |
|--|-------------------------------------|--------------------------------------|
| 501.1 Scope – Incorporation of WCAG 2.0 AA                                   | See WCAG 2.0 section                | See information in WCAG 2.0 section. |
| <a href="#"><b><i>502 Interoperability with Assistive Technology</i></b></a> | Heading cell – no response required | Heading cell – no response required  |
| 502.2.1 User Control of Accessibility Features                               | Supports                            |                                      |
| 502.2.2 No Disruption of Accessibility Features                              | Supports                            |                                      |
| <b><i>502.3 Accessibility Services</i></b>                                   | Heading cell – no response required | Heading cell – no response required  |
| 502.3.1 Object Information   | Partially Supports                  |                                      |
| 502.3.2 Modification of Object Information                                   | Partially Supports                  |                                      |
| 502.3.3 Row, Column, and Headers   | Partially Supports                  |                                      |
| 502.3.4 Values   | Partially Supports                  |                                      |
| 502.3.5 Modification of Values   | Partially Supports                  |                                      |
| 502.3.6 Label Relationships  | Partially Supports                  |                                      |
| 502.3.7 Hierarchical Relationships   | Partially Supports                  |                                      |
| 502.3.8 Text   | Partially Supports                  |                                      |
| 502.3.9 Modification of Text   | Partially Supports                  |                                      |
| 502.3.10 List of Actions   | Partially Supports                  |                                      |
| 502.3.11 Actions on Objects  | Partially Supports                  |                                      |

| Criteria  | Conformance Level                   | Remarks and Explanations   |
|---|-------------------------------------|--|
| 502.3.12 Focus Cursor   | Partially Supports                  |  |
| 502.3.13 Modification of Focus Cursor   | Partially Supports                  |  |
| 502.3.14 Event Notification   | Partially Supports                  |  |
| 502.4 Platform Accessibility Features   | See WCAG 2.0 section                | See information in WCAG 2.0 section.   |
| <b><u>503 Applications</u></b>  | Heading cell – no response required | Heading cell – no response required  |
| 503.2 User Preferences  | See WCAG 2.0 section                | See information in WCAG 2.0 section.   |
| 503.3 Alternative User Interfaces   | Not Applicable                      |  |
| <b><i>503.4 User Controls for Captions and Audio Description</i></b>                | Heading cell – no response required | Heading cell – no response required  |
| 503.4.1 Caption Controls  | See WCAG 2.0 section                | See information in WCAG 2.0 section.   |
| 503.4.2 Audio Description Controls  | See WCAG 2.0 section                | See information in WCAG 2.0 section.   |
| <b><u>504 Authoring Tools</u></b>   | Heading cell – no response required | Heading cell – no response required  |
| 504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)   | See WCAG 2.0 section                | See information in WCAG 2.0 section.   |
| 504.2.1 Preservation of Information Provided for Accessibility in Format Conversion | Partially Supports                  | CodonCode Aligner attempts to preserve all information when converting from one format to another. However, different formats have different capabilities and it is not always possible to preserve all information. |
| 504.2.2 PDF Export  | Not Applicable                      | CodonCode Aligner does not export in PDF format.   |
| 504.3 Prompts   | Does Not Support                    | CodonCode Aligner does not prompt users to create content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0.   |
| 504.4 Templates   | Not Applicable                      | CodonCode Aligner does not contain any templates.  |

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

Notes:



| Criteria   | Conformance Level                    | Remarks and Explanations   |
|--|--------------------------------------|--|
| <b>601.1 Scope</b>   | Heading cell – no response required  | Heading cell – no response required  |
| <b><u>602 Support Documentation</u></b>                          | Heading cell – no response required  | Heading cell – no response required  |
| 602.2 Accessibility and Compatibility Features                   | Partially Supports                   | Information about accessibility of CodonCode Aligner is available in CodonCode Aligner's help: <a href="https://www.codoncode.com/aligner/AlignerHelp.pdf">https://www.codoncode.com/aligner/AlignerHelp.pdf</a> However many of the features like keyboard commands, setting text size, zooming etc. are not specifically marked as accessibility features. CodonCode Aligner does not interfere with Assistive Technologies provided by supported operating systems. |
| 602.3 Electronic Support Documentation                           | See <a href="#">WCAG 2.x</a> section | See information in WCAG 2.x section  |
| 602.4 Alternate Formats for Non-Electronic Support Documentation | Supports                             | Online documentation can be printed in PDF format at: <a href="https://www.codoncode.com/aligner/AlignerHelp.pdf">https://www.codoncode.com/aligner/AlignerHelp.pdf</a>  |
| <b><u>603 Support Services</u></b>                               | Heading cell – no response required  | Heading cell – no response required  |
| 603.2 Information on Accessibility and Compatibility Features    | Supports                             | More information about support services can be found at <a href="https://www.codoncode.com/support/index.htm">https://www.codoncode.com/support/index.htm</a>  |
| 603.3 Accommodation of Communication Needs                       | Supports                             | Support services are available online (forum), printable (help file), in electronic form (email), and through audible means (telephone). More information about support services can be found at <a href="https://www.codoncode.com/support/index.htm">https://www.codoncode.com/support/index.htm</a>   |

## **Legal Disclaimer:**

© 2024 CodonCode Corporation. All rights reserved. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

This document is for informational purposes only. CodonCode Corporation does not promise that the information provided in this document will be error-free, or that any errors will be corrected, or that your use of the information will provide specific results. THE DOCUMENT AND ITS CONTENT ARE DELIVERED ON AN "AS-IS" BASIS. ALL INFORMATION PROVIDED IS SUBJECT TO CHANGE WITHOUT NOTICE. CODONCODE CORPORATION DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF ACCURACY, NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.