Rubin Conformance Report

VPAT®

Name of Product/Version: Emerge with Rubin

Platform: Web

Date: April 2021

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Notes: This report covers accessibility conformance for the Rubin product available to end users.

Evaluation Methods Used: Conformance to the listed accessibility standards has been evaluated by Rubin using a combination of static analysis tools and manual testing with assistive technologies.

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 _http://www.w3.org/TR/2008/REC-WCAG20-20081211/_	Level A – **YES** Level AA – YES Level AAA – NO
Section 508 as published in 2017, at http://www.Section508.gov	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.
- **Supports with Exceptions:** 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:

- EN 301 549: Chapter 9 – Web, Chapter 10 – Non-Web documents, Section 11.2.1-Non-Web Software (excluding closed functionality), and Section 11.2.2 – Non-Web Software (closed functionality).
- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

Table 1: Success Criteria, Level A

Guidelines come from: https://www.w3.org/TR/WCAG20/

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin is primarily text content. Some purely decorative elements that have no functional or informational purpose do not provide a text alternative. If images enter the program in the future, they will always have a text alternative.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports with exceptions	All audio and video in the program is prerecorded. All audio content features transcripts. All video content features a complete written transcript of the video content below the video player.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Does not support	All video content features a complete written transcript of the video content below the video player.

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1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not applicable	Emerge with Rubin does not use synchronized media.
1.3.1 Info and Relationships (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin uses semantically-correct markup so that information, structure, and relationships can be understood independent of presentation.
1.3.2 Meaningful Sequence (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin generates semantically-correct markup to allow assistive technologies to interpret the meaning of content and controls.
1.3.3 Sensory Characteristics (Level A) Also applies to: EN 301 549 Criteria 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin does not depend solely on sensory characteristics such as shape, size, visual location, orientation, or sound to understand content. However, we do employ a tool called ReadSpeaker that allows instructors and students to adjust the size of the font, change the background color and

		change the text color – if such adjustments are necessary to aid the learning.
1.4.1 Use of Color (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information.
1.4.2 Audio Control (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Yes, if any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.
2.1.1 Keyboard (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Yes, all functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.
2.1.2 No Keyboard Trap (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin is a web-based application that supports standard keyboard navigation and ensures that keyboard users cannot be trapped in a subset of content.

2.2.1 Timing Adjustable (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	The user is logged out after two hours of inactivity and needs to log back in to access material.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not applicable	Emerge with Rubin does not include moving, blinking, scrolling, or auto-updating information.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not applicable	Emerge with Rubin does not use flashing interface elements.
2.4.1 Bypass Blocks (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs	Not applicable	Emerge with Rubin does not have content blocks that repeat on various pages.
2.4.2 Page Titled (Level A) Also applies to: 2017 Section 508	Supports	All web pages have descriptive titles that indicate the topic or purpose of each page.

501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		
2.4.3 Focus Order (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	All pages with instructions are done in a logical and sequential way that preserves meaning and operability.
2.4.4 Link Purpose (In Context) (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context
3.1.1 Language of Page (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	The default human language of each Web page can be programmatically determined.
3.2.1 On Focus (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Yes, when any component receives focus, it does not initiate a change of context.
3.2.2 On Input (Level A) Also applies to:	Supports	Changing the setting of a component user interface

2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		does not initiate a change of context.
3.3.1 Error Identification (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.
3.3.2 Labels or Instructions (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Labels or instructions are provided when content requires user input.
4.1.1 Parsing (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin uses semantically-correct markup for all interface elements. The markup is programmatically generated to prevent parsing errors.
4.1.2 Name, Role, Value (Level A) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined.

Table 2: Success Criteria, Level AA

Guidelines come from: https://www.w3.org/TR/WCAG20/

1.2.4 Captions (Live) (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not applicable	Emerge with Rubin does not include synchronized media.
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not applicable	Emerge with Rubin does not include synchronized media.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	The visual presentation of text provides sufficient contrast.
1.4.4 Resize text (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	User interfaces support standard zoom capabilities built into modern web browsers and operating systems.
1.4.5 Images of Text (Level AA)	Not applicable	Emerge with Rubin does not feature images of text.

Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		
2.4.5 Multiple Ways (Level AA) Also applies to: 2017 Section 508 501 (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	Emerge with Rubin provides navigation links and search functions in user interfaces.
2.4.6 Headings and Labels (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin uses semantically-correct markup for all interface elements, including headings and labels.
2.4.7 Focus Visible (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin uses visual changes to elements to indicate the current position of focus.
3.1.2 Language of Parts (Level AA) Also applies to: 2017 Section 508	Supports	The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical

501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.
3.2.3 Consistent Navigation (Level AA) Also applies to: 2017 Section 508 501 (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	Emerge with Rubin uses the same navigation mechanisms across pages.
3.2.4 Consistent Identification (Level AA) Also applies to: 2017 Section 508 501 (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	User interface framework provides a standard component library, ensuring consistent functionality and presentation across pages.
3.3.3 Error Suggestion (Level AA) Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Emerge with Rubin provides suggestions for correcting errors such as identifying required fields.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	For Web pages that cause legal commitments or financial transactions for

Also applies to: 2017 Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, a mechanism is available for reviewing, confirming, and correcting information before finalizing the submission.

Table 3: Success Criteria, Level AAA

Notes: Emerge with Rubin has not been evaluated for WCAG 2.0 Level AAA conformance.

2017 Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

302.1 Without Vision	Supports	Emerge with Rubin uses standard HTML to describe the identity, operation, and state of user interface elements to Assistive Technologies.
302.2 With Limited Vision	Supports	Supports standard browser magnification and contrast adjustments.
302.3 Without Perception of Color	Supports	Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information.
302.4 Without Hearing	Not Applicable	Product does not include audio-only features that require hearing to be used.

302.5 With Limited Hearing	Not Applicable	Product does not include audio-only features that require hearing to be used.
302.6 Without Speech	Not Applicable	Product does not require speech input.
302.7 With Limited Manipulation	Supports	Product supports standard input mechanisms such as user-provided keyboards and pointing devices. Usage of the product does not require fine motor controls nor simultaneous actions.
302.8 With Limited Reach and Strength	Not Applicable	
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Program includes a text-to-speech tool that provides audio that reads the text aloud.

Chapter 4: Hardware

Notes: Emerge with Rubin is a web software 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 2.0 section	See information in WCAG section	
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required	
502.2.1 User Control of Accessibility Features	Not Applicable	Emerge with Rubin is not considered platform software as defined by Section 508.	
502.2.2 No Disruption of Accessibility Features	Supports	Emerge with Rubin is compatible with operating system and browser accessibility features configured by the user.	
502.3 Accessibility Services	Supports	Provides visual and audio tools to enhance the learning	

502.3.1 Object Information	Supports	Emerge with Rubin uses attributes to describe the role, state, and description of user interface elements to assistive technologies.
502.3.2 Modification of Object Information	Supports	Emerge with Rubin uses standard HTML object roles for maximum compatibility with assistive technologies.
502.3.3 Row, Column, and Headers	Supports	Emerge with Rubin uses standard HTML attributes to define table structure and relationships, including column and row headers, to assistive technologies.
502.3.4 Values	Supports	Emerge with Rubin uses standard HTML object attributes for maximum compatibility with assistive technologies.
502.3.5 Modification of Values	Supports	Emerge with Rubin uses standard HTML object attributes for maximum compatibility with assistive technologies.
502.3.6 Label Relationships	Supports	Emerge with Rubin uses standard HTML attributes to describe label relationships of user interface elements to assistive technologies.
502.3.7 Hierarchical Relationships	Supports	Emerge with Rubin uses standard HTML markup to express hierarchical relationships.
502.3.8 Text	Supports	Emerge with Rubin renders strings as plain text values in HTML for maximum compatibility with assistive technologies.
502.3.9 Modification of Text	Supports	Emerge with Rubin renders strings as plain text values in HTML for maximum compatibility with assistive technologies.
502.3.10 List of Actions	Supports	Emerge with Rubin uses standard HTML object attributes for maximum compatibility with assistive technologies.
502.3.11 Actions on Objects	Supports	Emerge with Rubin uses standard HTML Object attributes for maximum compatibility with assistive technologies.
502.3.12 Focus Cursor	Supports	Emerge with Rubin uses visual changes to elements to indicate the current position of focus.
502.3.13 Modification of Focus Cursor	Supports	Emerge with Rubin uses standard HTML elements with standard cursor controls for user input.

502.3.14 Event Notification	Supports with Exceptions	Emerge with Rubin has a session timeout alert to notify users when a session has ended. Assistive technologies do not announce this message as an alert, although users may navigate via mouse or keyboard to log back in.
502.4 Platform Accessibility Features	Not Applicable	Emerge with Rubin is not considered platform software as defined by Section 508.
503.2 User Preferences	Supports	Emerge with Rubin respects user Preferences from platform or OS settings.
503.4.1 Caption Controls	Does Not Support	All video content features a complete writte the video content below the video player.
503.4.2 Audio Description Controls	Supports with Exceptions	Emerge with Rubin provide transcripts of audio content.
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	
504.2.2 PDF Export	Not Applicable	
504.3 Prompts	Not Applicable	
504.4 Templates	Not Applicable	

Chapter 6: Support Documentation and Services

Rubin provides video tutorials with audio includes to guide students around various aspects of the Emerge with Rubin program.