

# Google Classroom Accessibility Conformance Report

## VPAT® 2.2 Revised Section 508 Edition Version 1.0

Information	Description
Name of product/version:	<b>Google Classroom Web Application</b>
Product description:	<b>Web application</b>
Date:	<b>31 July 2019</b>
Contact information:	<b>apps-accessibility@google.com</b>
Notes:	
Evaluation methods used:	<p>The following applications were used to evaluate this product:</p> <p>Desktop browsers: Firefox, Chrome, Internet Explorer, and Safari.</p> <p>Assistive technologies: JAWS, NVDA, and VoiceOver.</p> <p>Accessibility testing tools: Browser developer tools.</p>
Applicable standards/guidelines:	<p>This report covers the degree of conformance for the following accessibility standards/guidelines:</p> <p><a href="#">Web Content Accessibility Guidelines (WCAG) 2.0</a> - Level A and Level AA, but not Level AAA.</p> <p><a href="#">Revised Section 508</a>, as published by the U.S. Access Board in the Federal Register on January 18, 2017.</p> <p><a href="#">Corrections to the ICT Final Rule</a> as published by the US Access Board in the Federal Register on January 22, 2018</p>

## Terminology

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 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: Web Content Accessibility Guidelines (WCAG) 2.0 Success Criteria, Level A**

Criteria	Conformance level	Remarks and explanations
<a href="#">1.1.1 Non-text Content</a>	Supports	The Google Classroom web application provides text alternatives for non-text items.
<a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a>	Not applicable	The Google Classroom web application does not have pre-recorded audio-only or prerecorded video-only media.
<a href="#">1.2.2 Captions (Prerecorded)</a>	Not applicable	The Google Classroom web application does not have pre recorded audio content.

Criteria	Conformance level	Remarks and explanations
<a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a>	Not applicable	The Google Classroom web application does not have pre recorded video content.
<a href="#">1.3.1 Info and Relationships</a>	Partially supports	<p>The Google Classroom web application exposes most semantics, with some exceptions:</p> <p>Some headings do not expose heading semantics.</p> <p>Landmark regions are identified, but some screens do not identify the main region.</p>
<a href="#">1.3.2 Meaningful Sequence</a>	Supports	The correct reading sequence is meaningful throughout the Google Classroom web application.
<a href="#">1.3.3 Sensory Characteristics</a>	Supports	The Google Classroom web application does not rely on sensory characteristics for instructions.
<a href="#">1.4.1 Use of Color</a>	Supports	The Google Classroom web application does not rely on color-alone to convey information.
<a href="#">1.4.2 Audio Control</a>	Not applicable	The Google Classroom web application does not have audio content.
<a href="#">2.1.1 Keyboard</a>	Supports	All functionality is operable using the keyboard-alone in the

Criteria	Conformance level	Remarks and explanations
		Google Classroom web application.
<a href="#">2.1.2 No Keyboard Trap</a>	Supports	The Google Classroom web application does not cause a keyboard trap.
<a href="#">2.2.1 Timing Adjustable</a>	Not applicable	The Google Classroom web application does not include content with a timeout.
<a href="#">2.2.2 Pause, Stop, Hide</a>	Not applicable	The Google Classroom web application does not have content that blinks, scrolls, or updates regularly.
<a href="#">2.3.1 Three Flashes or Below Threshold</a>	Supports	The Google Classroom web application does not have flashing content.
<a href="#">2.4.1 Bypass Blocks</a>	Partially supports	The Google Classroom web application provides a set of shortcuts that allow keyboard users to skip to various locations of the user interface.
<a href="#">2.4.2 Page Titled</a>	Supports	The Google Classroom web application has descriptive page titles.
<a href="#">2.4.3 Focus Order</a>	Supports	The Google Classroom web application has a meaningful focus order.
<a href="#">2.4.4 Link Purpose (In Context)</a>	Supports	The Google Classroom web application has meaningful link phrases.

Criteria	Conformance level	Remarks and explanations
<a href="#">3.1.1 Language of Page</a>	Supports	The Google Classroom web application identifies the default language of the page.
<a href="#">3.2.1 On Focus</a>	Supports	The Google Classroom web application does not cause a change of context on focus.
<a href="#">3.2.2 On Input</a>	Supports	The Google Classroom web application does not cause an unexpected change of context when interacting with elements.
<a href="#">3.3.1 Error Identification</a>	Supports	If an input error is detected in the Google Classrooms web application, the error is described to the user in text.
<a href="#">3.3.2 Labels or Instructions</a>	Supports	The Google Classroom web application has visible labels for all form controls.
<a href="#">4.1.1 Parsing</a>	Supports	The Google Classroom web application has some minor parsing errors, but none that adversely affect accessibility.
<a href="#">4.1.2 Name, Role, Value</a>	Partially supports	<p>The Google Classroom web application provides the correct name, role, state, and other important accessibility information for most form controls, with some exceptions:</p> <p>Some tabbed widgets are not structured correctly.</p>

Criteria	Conformance level	Remarks and explanations
		<p>Some menus are not structured correctly.</p> <p>Some iframe elements do not have an accessible name.</p>

**Table 2: Web Content Accessibility Guidelines (WCAG) 2.0 Success Criteria, Level AA**

Criteria	Conformance level	Remarks and explanations
<a href="#">1.2.4 Captions (Live)</a>	Not applicable	The Google Classroom web application does not have live audio content.
<a href="#">1.2.5 Audio Description (Prerecorded)</a>	Not applicable	The Google Classroom web application does not have video content.
<a href="#">1.4.3 Contrast (Minimum)</a>	Supports	The Google Classroom web application has sufficient contrast between the foreground and background colors.
<a href="#">1.4.4 Resize text</a>	Partially supports	When text is zoomed to 175%, the upcoming panel is no longer visible in one area of the Google Classroom web application but the upcoming info is available in other areas.
<a href="#">1.4.5 Images of Text</a>	Supports	The Google Classroom web application does not contain images of text.
<a href="#">2.4.5 Multiple Ways</a>	Supports	The Google Classroom web application has multiple ways of locating screens in the application.
<a href="#">2.4.6 Headings and Labels</a>	Supports	Headings and labels are descriptive throughout the Google Classroom web application.

Criteria	Conformance level	Remarks and explanations
<a href="#">2.4.7 Focus Visible</a>	Partially supports	<p>The Google Classroom web application has a visible indication of focus throughout, with some exceptions:</p> <p>There is no visible indication of focus when some interactive elements receive focus.</p>
<a href="#">3.1.2 Language of Parts</a>	Not applicable	The Google Classroom web application does not contain text with a change in language.
<a href="#">3.2.3 Consistent Navigation</a>	Supports	The Google Classroom web application has a consistent navigation mechanism.
<a href="#">3.2.4 Consistent Identification</a>	Supports	The Google Classroom web application components are identified consistently.
<a href="#">3.3.3 Error Suggestion</a>	Partially supports	Google Classroom does indicate required fields.
<a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a>	Not applicable	Use of the Google Classroom web application does not inherently cause legal commitments or financial transactions to occur.



**Table 3: Web Content Accessibility Guidelines (WCAG) 2.0 Success Criteria, Level AAA**

Notes:

Criteria	Conformance level	Remarks and explanations
<a href="#">1.2.6 Sign Language (Prerecorded)</a>	Not evaluated	
<a href="#">1.2.7 Extended Audio Description (Prerecorded)</a>	Not evaluated	
<a href="#">1.2.8 Media Alternative (Prerecorded)</a>	Not evaluated	
<a href="#">1.2.9 Audio-only (Live)</a>	Not evaluated	
<a href="#">1.4.6 Contrast Enhanced</a>	Not evaluated	
<a href="#">1.4.7 Low or No Background Audio</a>	Not evaluated	
<a href="#">1.4.8 Visual Presentation</a>	Not evaluated	
<a href="#">1.4.9 Images of Text (No Exception) Control</a>	Not evaluated	
<a href="#">2.1.3 Keyboard (No Exception)</a>	Not evaluated	
<a href="#">2.2.3 No Timing</a>	Not evaluated	
<a href="#">2.2.4 Interruptions</a>	Not evaluated	
<a href="#">2.2.5 Re-authenticating</a>	Not evaluated	
<a href="#">2.3.2 Three Flashes</a>	Not evaluated	
<a href="#">2.4.8 Location</a>	Not evaluated	

Criteria	Conformance level	Remarks and explanations
<a href="#">2.4.9 Link Purpose (Link Only)</a>	Not evaluated	
<a href="#">2.4.10 Section Headings</a>	Not evaluated	
<a href="#">3.1.3 Unusual Words</a>	Not evaluated	
<a href="#">3.1.4 Abbreviations</a>	Not evaluated	
<a href="#">3.1.5 Reading Level</a>	Not evaluated	
<a href="#">3.1.6 Pronunciation</a>	Not evaluated	
<a href="#">3.2.5 Change on Request</a>	Not evaluated	
<a href="#">3.3.5 Help</a>	Not evaluated	
<a href="#">3.3.6 Error Prevention (All)</a>	Not evaluated	

## Section 508 Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance level	Remarks and explanations
302.1 Without Vision	Partially supports	The Google Classroom web application provides the correct name, role, state, and other important accessibility information for most interface elements.
302.2 With Limited Vision	Partially supports	When text is zoomed to 175%, the upcoming panel is no longer visible in the Google Classroom web application.
302.3 Without Perception of Color	Supports	The Google Classroom web application can be used without color perception.
302.4 Without Hearing	Supports	
302.5 With Limited Hearing	Supports	
302.6 Without Speech	Supports	
302.7 With Limited Manipulation	Supports	The Google Classroom web application is usable by people with limited manipulation.
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	

## Section 508 Chapter 4: Hardware

Notes: Google Classroom is not a hardware product.

Criteria	Conformance level	Remarks and explanations
402 Closed Functionality		
402.1 General		
402.2 Speech-Output Enabled		
402.2.1 Information Displayed On-Screen	Not applicable	
402.2.2 Transactional Outputs	Not applicable	
402.2.3 Speech Delivery Type and Coordination	Not applicable	
402.2.4 User Control	Not applicable	
402.2.5 Braille Instructions	Not applicable	
402.3 Volume		
402.3.1 Private Listening	Not applicable	
402.3.2 Non-private Listening	Not applicable	
402.4 Characters on Display Screens	Not applicable	
402.5 Characters on Variable Message Signs	Not applicable	
403 Biometrics		

Criteria	Conformance level	Remarks and explanations
403.1 General	Not applicable	
404 Preservation of Information Provided for Accessibility		
404.1 General	Not applicable	
405 Privacy		
405.1 General	Not applicable	
406 Standard Connections		
406.1 General	Not applicable	
407 Operable Parts		
407.2 Contrast	Not applicable	
407.3 Input Controls		
407.3.1 Tactilely Discernible	Not applicable	
407.3.2 Alphabetic Keys	Not applicable	
407.3.3 Numeric Keys	Not applicable	
407.4 Key Repeat	Not applicable	
407.5 Timed Response	Not applicable	
407.6 Operation	Not applicable	

Criteria	Conformance level	Remarks and explanations
407.7 Tickets, Fare Cards, and Keycards	Not applicable	
407.8 Reach, Height and Depth		
407.8.1 Vertical Reference Plane	Not applicable	
407.8.1.1 Vertical Plane for Side Reach	Not applicable	
407.8.1.2 Vertical Plane for Forward Reach	Not applicable	
407.8.2 Side Reach	Not applicable	
407.8.2.1 Unobstructed Side Reach	Not applicable	
407.8.2.2 Obstructed Side Reach	Not applicable	
407.8.3 Forward Reach	Not applicable	
407.8.3.1 Unobstructed Forward Reach	Not applicable	
407.8.3.2 Obstructed Forward Reach	Not applicable	
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach	Not applicable	

Criteria	Conformance level	Remarks and explanations
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach	Not applicable	
408 Display Screens		
408.2 Visibility	Not applicable	
408.3 Flashing	Not applicable	
409 Status Indicators		
409.1 General	Not applicable	
410 Color Coding		
410.1 General	Not applicable	
411 Audible Signals		
411.1 General	Not applicable	
412 ICT with Two-Way Voice Communication		
412.2 Volume Gain		
412.2.1 Volume Gain for Wireline Telephones	Not applicable	
412.2.2 Volume Gain for Non-Wireline ICT	Not applicable	

Criteria	Conformance level	Remarks and explanations
412.3 Interference Reduction and Magnetic Coupling		
412.3.1 Wireless Handsets	Not applicable	
412.3.2 Wireline Handsets	Not applicable	
412.4 Digital Encoding of Speech	Not applicable	
412.5 Real-Time Text Functionality	Not applicable	
412.6 Caller ID	Not applicable	
412.7 Video Communication	Not applicable	
413 Closed Caption Processing Technologies		
413.1.1 Decoding and Display of Closed Captions	Not applicable	
413.1.2 Pass-Through of Closed Caption Data	Not applicable	
414 Audio Description Processing Technologies		
414.1.1 Digital Television Tuners	Not applicable	
414.1.2 Other ICT	Not applicable	
415 User Controls for Captions and Audio Descriptions		



Criteria	Conformance level	Remarks and explanations
415.1.1 Caption Controls	Not applicable	
415.1.2 Audio Description Controls	Not applicable	

## Section 508 Chapter 5: Software

Criteria	Conformance level	Remarks and explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	Refer to the WCAG 2.0 section.	Refer to the WCAG 2.0 section.
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features	Not applicable	
502.2.2 No Disruption of Accessibility Features	Not applicable	
502.3 Accessibility Services		
502.3.1 Object Information	Not applicable	
502.3.2 Modification of Object Information	Not applicable	
502.3.3 Row, Column, and Headers	Not applicable	
502.3.4 Values	Not applicable	
502.3.5 Modification of Values	Not applicable	
502.3.6 Label Relationships	Not applicable	
502.3.7 Hierarchical Relationships	Not applicable	
502.3.8 Text	Not applicable	

Criteria	Conformance level	Remarks and explanations
502.3.9 Modification of Text	Not applicable	
502.3.10 List of Actions	Not applicable	
502.3.11 Actions on Objects	Not applicable	
502.3.12 Focus Cursor	Not applicable	
502.3.13 Modification of Focus Cursor	Not applicable	
502.3.14 Event Notification	Not applicable	
502.4 Platform Accessibility Features	Not applicable	
<b>503 Applications</b>		
503.2 User Preferences	Not applicable	
503.3 Alternative User Interfaces	Not applicable	
<b>503.4 User Controls for Captions and Audio Description</b>		
503.4.1 Caption Controls	Not applicable	
503.4.2 Audio Description Controls	Not applicable	
<b>504 Authoring Tools</b>		

Criteria	Conformance level	Remarks and explanations
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	Supports	
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Supports	Google Classroom preserves accessibility information in Google Sheets format.
504.2.2 PDF Export	Not applicable	
504.3 Prompts	Not applicable	All user input in Google Classroom is plain text.
504.4 Templates	Not applicable	

## Section 508 Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance level	Remarks and explanations
601.1 Scope		
602 Support Documentation		
602.2 Accessibility and Compatibility Features	Supports	The documentation for Google Classroom lists and explains how to use the accessibility and compatibility features of the product, and also includes instructions to create content that incorporates accessibility. See <a href="https://support.google.com/edu/classroom/answer/6084551">https://support.google.com/edu/classroom/answer/6084551</a>
602.3 Electronic Support Documentation	Partially supports	The documentation mostly complies with WCAG 2.0 A/AA, but some content does not provide the correct state information, such as expanded/collapsed disclosure widgets.
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	All necessary documentation for Google Classroom is provided electronically.
603 Support Services		
603.2 Information on Accessibility and Compatibility Features	Not applicable	The <a href="#">Google Disability Support team</a> can answer questions about the accessibility of Google Classroom.

Criteria	Conformance level	Remarks and explanations
603.3 Accommodation of Communication Needs	Supports	The <a href="#">Google Disability Support team</a> can answer questions about the accessibility of Google Classroom through various support channels.

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