

Voluntary Product Accessibility Template® (VPAT®)

WCAG Edition

Version 2.3 (Revised) - April 2019

Table Information for VPAT® Readers

For each of the standards, the criteria are listed by chapter in a table. The structures of the tables are: the first column contains the criteria being evaluated, the second column describes the level of conformance of the product regarding the criteria and the third column contains any additional remarks and explanations regarding the product.

- When sections of criteria do not apply, or deemed by the customer as not applicable, the section is noted as such and the rest of that table may be removed for that section.
- When multiple standards are being recorded in this document, the duplicative sections are noted and responded to only one time. The duplicate entry will note the cross reference to the data.

Atlassian Accessibility Conformance Report

WCAG Edition

VPAT® Version 2.3 (Revised) – April 2019

Name of Product/Version: Trello

Product Description:

Trello is a collaboration tool that organizes projects into boards. In a glance, Trello show what's being worked on, who's working on what, and where something is in a process.

Imagine a white board, filled with lists of sticky notes, with each note as a task for you and your team. Now imagine that each of those sticky notes has photos, attachments from other data sources like BitBucket or Salesforce, documents, and a place to comment and collaborate with your teammates. Now imagine that you can take that whiteboard anywhere you go on your smartphone, and can access it from any computer through the web.

The scope of this VPAT is restricted to Specific pages listed in the table below.

The application was accessed using login credentials provided for the environment at <https://trello.com/>

Id#	Web Page / Screen / Document Identifier	Location / URL
1	Login	https://trello.com/login
2	Create Account	https://trello.com/signup
3	Home	https://trello.com/kconway_test/boards

Id#	Web Page / Screen / Document Identifier	Location / URL
4	Home (feed)	https://trello.com/
5	Boards Menu (left nav)	https://trello.com/kconway_test/boards
6	Profile	https://trello.com/kconway_test/boards
7	Settings	https://trello.com/kconway_test/account
8	Create List	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
9	Create Card	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
10	Edit Card Content / labels / attachments	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
11	Edit Card Create Due date / checklists	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
12	Card Filters	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
13	Voting PuP	https://trello.com/b/FIssEGVS/things-to-do-around-the-house/power-up/55a5d917446f517774210013
14	Custom Fields PuP	https://trello.com/b/FIssEGVS/things-to-do-around-the-house/power-up/56d5e249a98895a9797bebb9
15	Notifications	https://trello.com/
16	Header	https://trello.com/
17	Board Detail	https://trello.com/b/FIssEGVS/things-to-do-around-the-house
18	Tabbed Pane Header	https://trello.com/kconway_test/account

Report Date: July 30 2019.

Contact information:

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Evaluation Methods Used:

*Automation used aXe core rule engine 3.2

*Manual assessment based on Windows 10 – Firefox 63.0 – NVDA 2018.3.2

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	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)

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 2.1 Report

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 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially supports.	<ol style="list-style-type: none"> 1. Some Informative/active images are missing alternative text in over 7 pages. 2. Text alternative does not clearly convey the intended information of the image in 1 page. <p>Accessibility problem it causes: People who are blind cannot see images on a page. In order to give access to the information conveyed by the image, it must have a text alternative. The text alternative must describe the information or function represented by the image. Screen readers can then use the alternative text to convey that information to the screen reader user.</p>
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	There is no time-based media available in the current iteration of the product.
1.2.2 Captions (Prerecorded) (Level A)	Supports	There is no time-based media available in the current iteration of the product.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	There is no time-based media available in the current iteration of the product.
1.3.1 Info and Relationships (Level A)	Partially Supports	<ol style="list-style-type: none"> 1. Some form fields are not properly associated with its visible labels in 4 pages. 2. Form fields does not have an explicit/implicit labels in 5 pages. <p>Accessibility problem it causes: Screen reader user cannot understand the relationship of labels and its form fields unless the label and form element must be programmatically associated.</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>Screen reader users cannot use the visual layout of a group of related form elements and their shared group label, to understand the relationship of the form fields, their individual labels, and their group label, the relationships must be expressed semantically.</p> <ol style="list-style-type: none"> 3. Some Visual heading texts are not marked as a heading programmatically in over 8 pages. 4. Heading levels are out of order in such a way that the structure of the page is not properly conveyed in over 1 page. 5. Content appears like a list but is not marked up as list in over 1 page. 6. and not directly contain , <script> or <template> elements in over 2 pages. 7. Incorrect heading markup is provided in 1 page. <p>Accessibility problem it causes: People who can see are able to quickly scan a page for headings, subheadings and Lists, nested lists to understand the content and structure of a page. People who are blind do not have this ability if heading texts and lists are not marked in a way that screen readers can understand. Heading text and hierarchy must be identified semantically with heading markup and Lists must be marked semantically in a way that correctly identifies the list structure and type.</p> <ol style="list-style-type: none"> 8. Data table is missing header cell markup in 1 page. <p>Accessibility problem it causes: If data table is not marked up properly, screen reader users not able to understand the logical</p>

Criteria	Conformance Level	Remarks and Explanations
		relationships of data arranged in a table, tables need HTML markup that indicates header cells and data cells and defines their relationship.
1.3.2 Meaningful Sequence (Level A)	Partially Supports	<ol style="list-style-type: none"> 1. Screen readers can read parent page content outside the modal using arrow keys. Accessibility problem it causes: If screen reader users can read content behind a modal dialog window, they may become disoriented or confused. Both keyboard focus and screen reader focus must be trapped within a modal dialog until it is dismissed. 2. The opened modal is not present in the correct reading order in DOM over 2 screens. Accessibility problem it causes: People who are blind cannot see when content is dynamically inserted in a page. If content is inserted in a page above a screen reader user's point of reference, they may never be aware that it was added.
1.3.3 Sensory Characteristics (Level A)	Partially supports	<ol style="list-style-type: none"> 1. Information/instruction is presented in a way that requires the ability to see location or shape, and there is no equivalent text method to convey the information in over three pages. Accessibility problem it causes: When instructions to use content rely on a person's ability to see things such as shape, size, visual location, or orientation, people who are blind or have low vision are at a risk of being unable to understand or follow the instructions.

Criteria	Conformance Level	Remarks and Explanations
1.4.1 Use of Color (Level A)	Partially supports	<p>1. Color is used to convey error information that is not conveyed in any other way in over 2 pages.</p> <p>Accessibility problem it causes: When color alone is used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element, people who are blind, have low vision, or are color blind will not be able to access that information.</p>
1.4.2 Audio Control (Level A)	Supports	There is no time-based media available in the current iteration of the product.
2.1.1 Keyboard (Level A)	Partially Supports	<p>1. Some elements are not accessible by keyboard alone in over 10pages.</p> <p>2. Some elements use device-dependent event handlers and are therefore not accessible by keyboard alone in over 12 pages.</p> <p>Accessibility problem it causes: Some people cannot use a mouse due to vision or motor disabilities. Content that can be operated with a mouse must also be made operable with keyboard.</p>
2.1.2 No Keyboard Trap (Level A)	Supports	
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Does not supports	<p>Single character key shortcuts exist and do not have at least one of these required options: ability to turn off single character key shortcuts, ability to remap to a non-singular key shortcut, OR are only active when the appropriate user interface component has focus, in all pages.</p> <p>Accessibility problem it causes: Single character key shortcuts can have adverse effects for people with motor disabilities who</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>use speech input to interact with a computer. The reason for this is that when a single key is used to trigger a command, a spoken word can become a unexpected barrage of single-key commands if the cursor focus happens to be in the wrong place. Similarly, keyboard-only users who have dexterity challenges can also be prone to accidentally hitting keys.</p>
2.2.1 Timing Adjustable (Level A)	Supports	
2.2.2 Pause, Stop, Hide (Level A)	Supports	<p>There is no moving, blinking, scrolling, or auto-updating information is available in the current iteration of the product.</p>
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	<p>Atlassian does not contain a part that flashes more than three times in one second.</p>
2.4.1 Bypass Blocks (Level A)	Partially Supports	<p>Page does not have means to bypass repeated blocks in over 1 screen.</p> <p>Accessibility problem it causes: To help screen reader and keyboard users bypass content repeated across multiple pages, a mechanism is required - such as a skip link, good heading structure, HTML5 sectioning elements, or ARIA landmarks. This allows screen reader and keyboard users to more efficiently get to the main content of a page.</p>
2.4.2 Page Titled (Level A)	Supports.	
2.4.3 Focus Order (Level A)	Partially supports.	<ol style="list-style-type: none"> 1. When the modal is closed, focus is not returned to the triggering element in over 10 pages. 2. Focus is not maintained within the modal. It is possible to tab out of the modal in over 3 pages. 3. Focus is not placed on the opened modal in over 8 pages. <p>Accessibility problem it causes: When a person who is blind opens a modal dialog and keyboard focus is not moved to it, it</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>can be extremely difficult, if not impossible, to know that the modal dialog has appeared and to interact with it. If sighted keyboard users or screen reader users can tab to content behind a modal dialog window, they may become disoriented or confused. Both keyboard focus and screen reader focus must be trapped within a modal dialog until it is dismissed.</p> <ol style="list-style-type: none"> 4. Tab order is not logical and has created a tab order that does not preserve the meaning of the content in over 10 pages. 5. Focus is lost or placed on the wrong element during user interaction, content refresh or update, or other reason in over 1 page. 6. tabindex="-1" is used incorrectly for the element as a result, these elements are not accessible and operable by keyboard alone. <p>Accessibility problem it causes: The focus MUST be purposely moved or set (via JavaScript) onto the appropriate element when the user's action requires a change of context or location for effective keyboard interaction, otherwise keyboard only users, screen reader users will face difficulty in interaction of controls.</p>
2.4.4 Link Purpose (In Context) (Level A)	Supports	
2.5.1 Pointer Gestures (Level A 2.1 only)	Partially supports	<ol style="list-style-type: none"> 1. Starred boards have drag and drop functionality, which is path based or multi point. There is no alternate way available to perform the same functionality with single-point actions in over 1 page. <p>Accessibility problem it causes: When functionality requires complex gestures, such as multi-point or path-based gestures,</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>people with motor disabilities may find it difficult or impossible to perform the gesture, either because they may lack the accuracy necessary to carry it out or because they use an assistive technology that lacks the capability or accuracy.</p>
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	
2.5.3 Label in Name (Level A 2.1 only)	Partially supports	<p>1. Accessible name does not contain the visible label text in over page over 2 pages. Accessibility problem it causes: Speech input users can interact with a webpage by speaking the visible text labels of menus, links, and buttons that appear on the screen. It is confusing to speech input users when they say a visible text label they see, but the speech command does not work because the component's accessible (programmatic) name does not match the visible label.</p>
2.5.4 Motion Actuation (Level A 2.1 only)	Supports	
3.1.1 Language of Page (Level A)	Partially Supports	<p>1. The primary language of the page is not defined in over 2 pages Accessibility problem it causes: Most screen readers can read several different languages. Screen reader users select a default language when installing and configuring their screen reader. If no language is specified in the HTML document, the screen reader will read the document in the user's default language with a pronunciation that often makes it impossible to understand the content, if default language does not match the document language.</p>
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Partially supports	<p>1. A change of context occurs without warning</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>when the user selects a value from the language drop down using arrow keys in over 2 pages.</p> <p>Accessibility problem it causes: Whenever the mere act of entering text into an edit box, checking a checkbox or radio button, or navigating to an option in a select control causes an unexpected change in context, some users - especially people with vision or cognitive disabilities - may become quite disoriented or confused.</p>
3.3.1 Error Identification (Level A)	Supports	
3.3.2 Labels or Instructions (Level A)	Partially Supports	<ol style="list-style-type: none"> 1. Label is not persistent. For example: placeholder is being used as the only visual label for a text field in over 4 pages. 2. No visual label is present and the purpose of this field is not clear without a visual label in over 7 pages. <p>Accessibility problem it causes: Filling out forms correctly can be one of the more time consuming and frustrating online user experiences, and it can be even more challenging for people with disabilities. The single easiest way to prevent user errors is by providing clear and persistent labels and instructions that are available to everyone at all times. Labels and instructions should:</p> <ol style="list-style-type: none"> 1) be clear and informative, 2) Group of form controls should be grouped together with associated group level label. 3) disclose any constraints such as required data formats or ranges, and 4) Identify required fields. Well-designed labels and instructions provide enough information so

Criteria	Conformance Level	Remarks and Explanations
		<p>people can fill out forms without undue confusion or errors.</p>
<p>4.1.1 Parsing (Level A)</p>	<p>Partially supports</p>	<ol style="list-style-type: none"> 1. ARIA attributes are not confirming to valid values in over 2 pages. Accessibility problem it causes: Invalid code - such as invalid aria attributes- doesn't always cause accessibility problems, but it can, especially if there are errors in the parts of the markup that screen readers rely on to communicate the semantics of the web page to users. 2. Page contains duplicate id's in over 7 pages. Accessibility problem it causes: Invalid code - such as duplicate IDs on a page - doesn't always cause accessibility problems, but it can, especially if there are errors in the parts of the markup that screen readers rely on to communicate the semantics of the web page to users. Duplicate ID values have the potential to cause serious or critical issues for screen reader users with form labels, custom widget labels, error message / form field associations, table header associations, and any aria- attributes (such as aria-labelledby and aria-describedby) that reference ID values.
<p>4.1.2 Name, Role, Value (Level A)</p>	<p>Partially Supports</p>	<ol style="list-style-type: none"> 1. The link does not have a href value defined in over 6 pages. Accessibility problem it causes: Links made from <a> elements must have a href attribute to be valid hyperlinks. Without a href attribute, screen readers will not know that the

Criteria	Conformance Level	Remarks and Explanations
		<p>text within the <a> element is a hyperlink and it will not be keyboard focusable.</p> <ol style="list-style-type: none"> 2. Buttons do not have roles in over 7 pages. 3. Buttons do not have accessible names in over 8 pages. 4. Current date in the change due date dialog is not exposed screen reader users in over 2 pages. 5. Custom checkbox missing role and state in over 1 page. 6. The comment field appears like a auto suggestion list but not coded so in over 1 page. 7. Element looks like a tool-tip but is not marked as such in over 1 page. 8. The expanded/collapsed state of the buttons is not exposed to the screen reader users in over 1 page. 9. Links missing accessible names in over 13 pages. 10. Presence of submenu is not exposed in over 1 page. 11. Pressed state of the favorite icon is not being conveyed to screen reader user in over 3 pages. 12. Selected state is not being conveyed to screen reader user in over 3 pages. 13. Incorrect/incomplete use of ARIA for the elements fails to expose the focus state(Current state) of the elements to assistive technologies in over 1 page. <p>Accessibility problem it causes: Every user interface control must have a role along with any applicable states and properties so that screen reader users know how to interact with the control. Native HTML elements - such as <button>, <a>, <input>, <select> -</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>already have a role, and their necessary states and properties - such as the checked/unchecked state of a checkbox - are automatically conveyed so nothing more needs to be done. If you create a custom version of a native HTML element or a custom control or widget that does not have a native HTML equivalent, you must add the relevant role(s) and any applicable states and properties using ARIA as well as expected keyboard interactions.</p>

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	There is no time based media available in the current iteration of the product.
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	There is no time based media available in the current iteration of the product.
1.3.4 Orientation (Level AA 2.1 only)	Supports	
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Partially supports.	Autocomplete attribute to identify the purpose of the form element is missing in over 2 screens.
1.4.3 Contrast (Minimum) (Level AA)	Partially supports.	<p>Few Link texts and regular texts lacks 4.5 to 1 contrast ratio with their background colors in over 18 pages.</p> <p>Accessibility problem it causes: People who have low vision or are colorblind may have difficulty reading text if the contrast between the text its background is insufficient. When the contrast ratio</p>

Criteria	Conformance Level	Remarks and Explanations
		between text and its background is adequate, people who have low vision or are colorblind are more likely to be able to read the text.
1.4.4 Resize text (Level AA)	Partially supports.	<ol style="list-style-type: none"> 1. Zooming and scaling must not be disabled in over 9 pages. 2. Content is lost, clipped, or obscured when the page is zoomed to 200% in 1 page. <p>Accessibility problem it causes: People who have low vision may not be able to read text at its default size. Browsers allow people to zoom the page, but sometimes the text is cut off or functionality is obscured as the page is zoomed. Content must be flexible enough to be scaled to 200% by the browser without having text cut off or functionality lost.</p>
1.4.5 Images of Text (Level AA)	Supports.	Atlassian does not contain any images of text content.
1.4.10 Reflow (Level AA 2.1 only)	Partially supports.	<ol style="list-style-type: none"> 1. Content does not reflow to fit horizontally within the viewpoint when page width is adjusted to 320px in over 5 pages. 2. Content or functionality is lost due to overlapping content when page width is adjusted to 320px in 1 page. <p>Accessibility problem it causes: When zooming content creates the need to scroll in the direction of reading in order to reveal lines that are cut off by the viewport, it significantly increases the effort required to read text and sometimes causes content hidden off-screen with no way to scroll or pan to it.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.11 Non-text Contrast (Level AA 2.1 only)</p>	<p>Partially supports.</p>	<ol style="list-style-type: none"> 1. Visual boundary of the elements does not have at least a 3 to 1 luminosity contrast ratio with either the inner or outer adjacent background in over 8 screens. Accessibility problem it causes: When an interactive element's visual boundaries and state indicators have adequate contrast, people who have low vision or are colorblind are more likely to be able to perceive which elements on the screen are interactive and what their current state is. 2. The state of an ACTIVE user interface component does not have at least a 3 to 1 luminosity contrast ratio with either the inner or outer adjacent background in over 2 screens. Accessibility problem it causes: People who have low vision or are colorblind may have difficulty perceiving that an element is interactive or what its state is - e.g. whether it has keyboard focus, is selected/checked/pressed, etc. - if the contrast between the element boundaries and/or state indicators and its background or adjacent colors is insufficient. 3. Parts of graphics (required to understand the content) do not have a contrast ratio of 3 to 1 against adjacent color(s) in over 4 pages. Accessibility problem it causes: People who have low vision or are colorblind may have difficulty perceiving the important parts of an informative graphical object (i.e., the parts of the graphic required to understand the content) if the contrast between parts of the graphic

Criteria	Conformance Level	Remarks and Explanations
		essential for understanding the graphic is insufficient.
1.4.12 Text Spacing (Level AA 2.1 only)	Partially supports.	When text spacing is adjusted, some content cannot be seen because it is cut off in over 1 page.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Supports	
2.4.5 Multiple Ways (Level AA)	Supports	
2.4.6 Headings and Labels (Level AA)	Partially supports	<p>The programmatic label does not clearly convey the purpose of the control. The programmatic label and visual label do not convey consistent information in over 2 pages.</p> <p>Accessibility problem it causes: When form fields or interactive controls have vague or misleading labels, people may not understand the type of data expected or what a control will do if activated. This is especially true for people with cognitive disabilities and people who are blind and use a screen reader.</p>
2.4.7 Focus Visible (Level AA)	Partially supports	<ol style="list-style-type: none"> 1. The focus indicator (e.g. border or dotted underline / background etc.) is not clearly visible as one tabs through the page in over 2 pages. 2. Visible focus indicator is missing altogether in over 11 pages. <p>Accessibility problem it causes: When a visible keyboard focus indicator is not provided, sighted keyboard users will have no idea which link or control has focus making it extremely difficult, if not impossible, to interact with the content.</p>
3.1.2 Language of Parts (Level AA)	Supports	
3.2.3 Consistent Navigation (Level AA)	Supports	
3.2.4 Consistent Identification (Level AA)	Supports	

Criteria	Conformance Level	Remarks and Explanations
3.3.3 Error Suggestion (Level AA)	Supports	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	
4.1.3 Status Messages (Level AA 2.1 only)	Partially supports	<p>Status message is not automatically announced by the screen reader in over 5 pages.</p> <p>Accessibility problem it causes:</p> <p>When the user requests an action that will take a long time to complete, such as searching for airline tickets, it is common to present an interstitial or intermediate page to users as a way to confirm that the link worked, and that the results are coming if they wait. Screen reader and other assistive technology users need that same kind of confirmation. Moving focus to the interstitial message benefits both screen reader users and screen magnification users.</p>

Pages / Documents That Do Not Support One or More Success Criteria

1. Login
2. Create Account
3. Home
4. Home (feed)
5. Create List
6. Create Card
7. Edit Card Content / labels / attachments
8. Edit Card Create Due date / checklists
9. Custom Fields PuP
10. Profile
11. Settings
12. Card Filters
13. Voting PuP
14. Notifications

15. Board detail