

Google Slides

Voluntary Product Accessibility Template (VPAT)

- **Date:** 11/2014
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Section 1194.21 Software Applications and Operating

Criteria	Supporting features	Remarks
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supports with exceptions	<p>The Google Slides interface is usable with the keyboard, with minor exceptions (not all listed):</p> <ul style="list-style-type: none"> • Several custom controls, such as Close buttons, text formatting controls in the toolbar, and download buttons, are provided with a role of button, but cannot be triggered using the spacebar. • Some shortcut keys reported in the instructions do not work as expected (e.g. the instructions state that the Slides menu can be opened on Chrome OS using Alt+S, but this shortcut was found not to be operable).

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Criteria	Supporting features	Remarks
<p>(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.</p>	<p>Supports</p>	<ul style="list-style-type: none"> • Unexpected keyboard behavior for navigating between tab panels in the Import Slides dialog box (the user must press Enter to activate a tab). • Unexpected keyboard behavior when navigating between possible themes in the Choose a Theme dialog box (navigation between themes involves using the Tab key rather than the expected arrow keys). <p>Google Slides components do not interfere with or deactivate the accessibility features of the operating system.</p> <p>Most Google Slides interface elements provide a well-defined on-screen indication of the current focus, with the following exceptions (not all issues listed):</p>
<p>(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that assistive technology can track focus and focus changes.</p>	<p>Supports with exceptions</p>	<ul style="list-style-type: none"> • Visible focus is suppressed around the control represented by the user's name in the header section (and which triggers dialog box containing options to view the user's profile, add an account, and sign out). • Visible focus is suppressed around the Rename control in View > Master.

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Criteria	Supporting features	Remarks
<p>(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to assistive technology. When an image represents a program element, the information conveyed by the image must also be available in text.</p>	<p>Supports with exceptions</p>	<ul style="list-style-type: none"> • Visible focus is suppressed around the expand/collapse toggle control in the Research panel. <p>Most Google Slides components expose the necessary information to assistive technologies, with the following exceptions (not all issues listed). Missing or incorrect role, state, and property information:</p> <ul style="list-style-type: none"> • The expand/collapse toggle control in the Research panel is erroneously coded as a tab rather than as a button. • The "Find Previous" and "Find Next" buttons in the Print Settings and Preview view are missing an appropriate role (in this case, a button). • "Slow", "Medium", "Fast" and "Close" controls in the Animations panel are missing a button role.
<p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.</p>	<p>Supports</p>	<p>Bitmap images are used consistently across the Google Slides application.</p>
<p>(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.</p>	<p>Supports</p>	<p>All text information is correctly exposed in Google Slides.</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supports with exceptions</p>	<p>Google Slides does not fully support the Windows Operating System high contrast mode (not all issues listed):</p> <ul style="list-style-type: none"> • Focus indication is lost. • Icons for toolbar controls are not honored.

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Criteria	Supporting features	Remarks
		<ul style="list-style-type: none"> • Checkboxes/tick icons are not honored.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supports	<p>Google Slides has no core features that utilize animation. Animations may be added to slides, but this is up to user discretion – slides do not animate by default.</p> <p>Google Slides does not rely on color coding as the only means of conveying information, with the following exceptions:</p> <ul style="list-style-type: none"> • When searching slides in the Print Settings and Preview view, examples of search results are highlighted using a yellow background. • When navigating through available themes in the Choose a Theme dialog, the border of the theme changes from light grey to light blue to indicate it is selected. While this information is conveyed to screen readers, the change may be difficult to perceive visually.
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports with exceptions	<ul style="list-style-type: none"> • When searching slides in the Print Settings and Preview view, examples of search results are highlighted using a yellow background. • When navigating through available themes in the Choose a Theme dialog, the border of the theme changes from light grey to light blue to indicate it is selected. While this information is conveyed to screen readers, the change may be difficult to perceive visually.
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Not applicable	<p>Google Slides does not permit color themes to be applied to the product interface itself. However, Google Slides permits users to apply a variety of different color themes to their presentations.</p>
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Supports	<p>Google Slides has no flashing or blinking text, objects, or other elements with a blink frequency greater than 2 Hz and lower than 55 Hz.</p>
(l) When electronic forms are used, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports with exceptions	<p>Most Google Slides form functionality is accessible to assistive technologies, with some exceptions including the following (not all issues listed):</p> <ul style="list-style-type: none"> • A small number of secondary labels (such as the "px" secondary label for custom widths and heights in the Publish to the Web dialog box, and

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		<p>the "Use Enter to save. Use Shift+Enter for multiple lines" secondary label in the Word Art dialog box) are not programmatically associated with the related textbox, so are not easily discoverable to users of assistive technologies.</p> <ul style="list-style-type: none"> • A small number of elements that are focusable do not have a programmatically associated label, such as the drop-down menu allowing the user to select the number of slides on a single page in the Print Settings and Preview view.

Section 1194.22 Web-based Internet Information and Applications

Criteria	Supporting features	Remarks
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports with exceptions	<p>Google Slides graphic elements exposed to users have text equivalents, with the following exception:</p> <ul style="list-style-type: none"> • The ">" ASCII character is used in several menus to indicate that the menu item has a related submenu. While NVDA, JAWS and VoiceOver skipped this icon, ChromeVox announce "right pointer" along with the menu item text.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	<p>The Google Slides product interface does not use multimedia. However, users are permitted to include multimedia in their presentations.</p> <p>Google Slides is designed so that all information conveyed with color is also available without color, with the following exceptions:</p>
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports with exceptions	<ul style="list-style-type: none"> • When searching slides in the Print Settings and Preview view, examples of search results are highlighted using a yellow background.

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Criteria	Supporting features	Remarks
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not applicable	<ul style="list-style-type: none"> When navigating through available themes in the Choose a Theme dialog, the border of the theme changes from light grey to light blue to indicate it is selected. While this information is conveyed to screen readers, the change may be difficult to perceive visually.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	Google Slides is a web-based application (not a document), and therefore the product's user interface depends on the availability of associated style sheets.
(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Not applicable	The Google Slides product user interface does not use image maps.
(g) Row and column headers shall be identified for data tables.	Supports	The Google Slides product user interface does not use image maps.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Not applicable	Google Slides identifies headers for data tables.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Supports with exceptions	The Google Slides product user interface does not use complex data tables.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	Google Slides frames that are exposed to users are correctly titled, with the following exception: <ul style="list-style-type: none"> The iframe with a class of modal-dialog-bg is missing a title attribute.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the	Not applicable	Google Slides does not cause screen flicker with a frequency greater than 2 Hz and lower than 55 Hz.
		Google Slides is a web-based application (not a document). The product's user interface and data cannot readily be represented and maintained in a text-only page.

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Criteria	Supporting features	Remarks
<p>provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.</p>	Supports	<p>All core functionality of Google Slides that relies on scripting is accessible to assistive technology users.</p>
<p>(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by assistive technology.</p>	Supports	<p>All core functionality of Google Slides that relies on scripting is accessible to assistive technology users.</p>
<p>(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).</p>	Not applicable	<p>Google Slides does not require a plug-in.</p>
<p>(n) When electronic forms are designed to be completed online, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.</p>	Supports with exceptions	<p>Most Google Slides form functionality is accessible to assistive technologies, with some exceptions including the following (not all issues listed):</p> <ul style="list-style-type: none"> • A small number of secondary labels (such as the "px" secondary label for custom widths and heights in the Publish to the Web dialog box, and the "Use Enter to save. Use Shift+Enter for multiple lines" secondary label in the Word Art dialog box) are not programmatically associated with the related textbox, so are not easily discoverable to users of assistive technologies. • A small number of elements that are focusable do not have a programmatically associated label, such as the drop-down menu allowing the user to select the number of slides on a

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Criteria	Supporting features	Remarks
		single page in the Print Settings and Preview view.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	Google Slides does not provide a single skip navigation link, but instead offers keyboard shortcuts to most of the features in the user interface.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	Google Slides does not require a timed response as part of its core functionality.

Section 1194.31 Functional Performance Criteria

Criteria	Supporting features	Remarks
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for assistive technology used by people who are blind or visually impaired shall be provided.	Supports	The core functionality of Google Slides is accessible to assistive technology users.
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for assistive technology used by people who are visually impaired shall be provided.	Supports	The core functionality of Google Slides supports the use of screen magnifiers.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for assistive technology used by people who are deaf or hard of hearing shall be provided	Supports	Google Slides does not rely on sound alone to access any of its core functionality.
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Supports	Google Slides does not rely on audio to present information.
(e) At least one mode of operation and information retrieval that does not require	Supports	Google Slides does not require user speech.

Section 1194.31 Functional Performance Criteria

Criteria	Supporting features	Remarks
user speech shall be provided, or support for assistive technology used by people with disabilities shall be provided.		Most Google Slides core features can be accessed from the keyboard alone, with the following exceptions:
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports with exceptions	<ul style="list-style-type: none">• Several custom controls, such as Close buttons, text formatting controls in the toolbar, and download buttons, are provided with a role of button, but cannot be triggered using the spacebar.• Some shortcut keys reported in the instructions do not work as expected (e.g. the instructions state that the Slides menu can be opened on Chrome OS using Alt+S, but this shortcut was found not to be operable).• Unexpected keyboard behavior for navigating between tab panels in the Import Slides dialog box (the user must press Enter to activate a tab).• Unexpected keyboard behavior when navigating between possible themes in the Choose a Theme dialog box (navigation between themes involves using the Tab key rather than the expected arrow keys).