# **Voluntary Product Evaluation Template (VPAT)**

Date: April 25, 2016

Name of Product: SoftChalk Create 10 (both desktop and Cloud web-launch version)

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Note: This document addresses the accessibility of SoftChalk Create 10 from the standpoint of the content authoring environment (described in the document as "authoring") and addresses the accessibility from the standpoint of a student who is viewing the resulting lesson content web pages (described in the document as "output").

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Summary Table			
Criteria	<b>Supporting Features</b>	Remarks and explanations	
Section 1194.21 <u>Software</u> <u>Applications and Operating</u> <u>Systems</u>	Supports with exceptions	In this section we address features of the SoftChalk Create authoring interface under the heading "Authoring", and we address features of the SoftChalk content web pages that are created using SoftChalk Create under the heading "Output".  Both Authoring and Output are largely supported with some exceptions.	
Section 1194.22 Web-based internet information and applications	Supports	In this section we address features of the SoftChalk content web pages that are created using the SoftChalk Create product. We do not address the SoftChalk "Authoring" interface in this section as it is not a web-based application.  The SoftChalk lesson content web pages, as viewed by a student, are largely accessible to those who are using screen readers and/or those who are limited to using only the keyboard to navigate the content web pages. In part, the accessibility of the content web pages is dependent on choices an author makes when creating the content pages. For example, when inserting an image, the content author has the opportunity to provide both alternative text and a long description. In many cases, the SoftChalk Create software supplies default accessibility information – for example, when an equation is created using the built-in equation editor, MathML functionality is embedded in the content page so that a screen reader can "read" the equation.  It is recommended that students who are using a screen reading device and/or are using only the	

		keyboard to navigate the content web pages use one of the following web browsers:  Windows: IE 8 or above, Mozilla/Firefox 10 or higher, Chrome  Apple: Safari 1.x or higher, Firefox, Chrome  Some of the accessibility features are not available if viewing the web content pages in older browsers, such as IE 8 and earlier.
Section 1194.23 Telecommunications Products	Not Applicable	
Section 1194.24 <u>Video and</u> <u>Multi-media Products</u>	Supports	
Section 1194.25 <u>Self-</u> Contained, Closed Products	Not Applicable	
Section 1194.26 <u>Desktop</u> and Portable Computers	Not Applicable	
Section 1194.31 <u>Functional</u> <u>Performance Criteria</u>	Authoring: Supports with Exceptions Output: Supports	Authoring: SoftChalk Create does not support use of a screen reader to navigate the authoring interface.  Output: The criteria are supported with one exception as outlined in the functional performance criteria.
Section 1194.41 Information, documentation, and support.	Supports	Accessible documentation is available via PDF or Word Documents and can be downloaded from the SoftChalk website.

Section 1194.21 Software Applications and Operating Systems  * Refer to ( <a href="http://www.access-board.gov/sec508/quide/1194.21.htm">http://www.access-board.gov/sec508/quide/1194.21.htm</a> ) for details on the guidelines listed below.			
Criteria	Supporting Features	Remarks and explanations	
(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.	Authoring: Supports with exceptions	Authoring: Most commands and functions in the Softchalk Create 10 interface are keyboard accessible through the application menu interface or by using keyboard shortcuts.  Some of the activity dialogs, such as the HotSpot Image	

	Output: Supports with exceptions	Activity Creation dialog are not operable using the keyboard alone.  Output: All aspects of the web content pages are accessible via the keyboard. One option component of a content page is the inclusion of an interactive activity. Of the 21 interactive activities that can be used in SoftChalk content, 14 of them are keyboard accessible and 7 are not. By keyboard accessible we mean that the student can complete the activity using only the keyboard to access the activity. The 7 exceptions include: HotSpot, Timeline, Identify, Pairs, Align, Sequence and Selection activities.
(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.	Authoring: Supports  Output: Supports	Authoring: SoftChalk Create does not disable or disrupt activated accessibility features of other products  Output: SoftChalk content pages do not disrupt or disable any operating system accessibility features.
(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.	Authoring: Supports with exceptions  Output: Supports	Authoring: In the SoftChalk Create authoring environment, the current focus for the page is indicated by the cursor location and programmatically by the appearance of menus and dialogs. Assistive Devices are able to detect the cursor location in most but not all dialogs.  Output: SoftChalk content pages indicate the current focus for the page and this information can be

Authoring: Supports with exceptions Output: Supports	Authoring: Identify, role and state information is available for most but not all controls in the SoftChalk 9 interface.  Output: All of the images in the web content pages that represent interface
	navigation or information are provided with text descriptions.
Authoring: Output: Not Applicable	Authoring: SoftChalk does not use bitmap images for controls or other programmatic elements.  Output: SoftChalk does not use bitmap images for controls or other programmatic elements.
Output: Not Applicable	Authoring: Does not expose textual information through the operating system functions.  Output: Does not expose textual information through the operating system functions
Authoring: Supports Output: Supports	Authoring: Honors user-defined color and contrast settings in Windows.  Output: Honors user-defined color and contrast settings in Windows.
	Authoring: animation is not used in the authoring interface.  Output: If animation objects are included in a SoftChalk lesson, the author has the ability to include a text description of the animation which is then accessible to the content user.  Authoring: SoftChalk 9 does
	Output: Not Applicable  Authoring: Not applicable  Output: Not Applicable  Authoring: Supports  Output: Supports  Output: Supports  Output: Supports

only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Output: Supports	not use color as the only means of conveying information  Output: SoftChalk-generated content does not use color as the only means of conveying information to the learner.
(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.	Authoring: Not Applicable  Output: Supported	Authoring: SoftChalk Create does not permit the user to adjust color and contrast settings in the authoring environment.  Output: SoftChalk content can be "styled" with completely customizable color and contrast styling of the learning content.
(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.	Authoring: Supports  Output: Supports	Authoring: SoftChalk Create does not use blinking text or objects.  Output: SoftChalk does not provide any tools for creating blinking text or objects
(I) 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.	Authoring: Supports with exceptions  Output: Supports	Authoring: Most form controls within the SoftChalk Create interface are fully operable using a keyboard-only and provide sufficient information to assistive technology with some exceptions, such as some of the activity dialogs.  Output: In the web content pages, SoftChalk uses html forms to display the quizpopper questions and quizgroups. All of these html forms allow students using Assistive Technology the ability to navigate through and complete those forms, including directions and cues.

#### Section 1194.22 Web-based Internet information and applications \* Refer to ( http://www.access-board.gov/sec508/quide/1194.22.htm) for details on the guidelines listed below. Criteria **Supporting Features Remarks and explanations** Output: SoftChalk content (a) A text equivalent for every non-text pages support the completion element shall be provided (e.g., via "alt", Output: Supports of alt and longdesc parameters "longdesc", or in element content). for all non-text elements that are included in a content page. Output: When multimedia elements, such as videos, are included by the author in SoftChalk content, the author has the ability to include a (b) Equivalent alternatives for any description of the item – which is then made available via an multimedia presentation shall be Output: Supported synchronized with the presentation. html link associated with the multimedia element in the page. It is also possible to include multimedia, such as video, that includes synchronized captioned text. (c) Web pages shall be designed so that Output: Information conveyed with color is also all information conveyed with color is also Output: Supports available without color, for example from conveyed without color and by context or markup. the context of the lesson page (d) Documents shall be organized so they Output: SoftChalk lessons are are readable without requiring an Output: Supports readable without the associated style sheet. associated style sheet. (e) Redundant text links shall be provided Output: Server-side Image maps are not used in SoftChalk for each active region of a server-side Output: Not Applicable image map. lessons (f) Client-side image maps shall be provided instead of server-side image Output: Client side Image maps except where the regions cannot be Output: Not Applicable maps are not used in SoftChalk defined with an available geometric lessons shape. Output: SoftChalk lessons (g) Row and column headers shall be Output: Supports support the use or row and identified for data tables. column headers (h) Markup shall be used to associate Output: Softchalk lessons do data cells and header cells for data tables not support multiple logical Output: Not Applicable that have two or more logical levels of levels or row and columns in row or column headers. tables. (i) Frames shall be titled with text that Output: Frames are not used facilitates frame identification and Output: Not Applicable in SoftChalk lessons navigation (j) Pages shall be designed to avoid Output: SoftChalk lessons do

Output: Supports

causing the screen to flicker with a

frequency greater than 2 Hz and lower

not support the use of "flicker"

attributes.

than 55 Hz.			
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the 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.	Output:	Supports	Output: Text-only equivalents are provided for certain elements that may be included in a web content page, such as embedded iframes, audio files, and web widgets. The content author has the ability to include a text description of these elements. A web link is associated with these page elements that links to the text description of the element.
(I) 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.	Output:	Supports	Output: SoftChalk web content pages use javascript-based annotations, activities, and quiz questions that are accessible via a Screen Reader and are key-board accessible.
(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 Û1194.21(a) through (l).	Output:	Not Applicable	Output: SoftChalk content web pages do not use applets or plug-ins.
(n) When electronic forms are designed to be completed on-line, 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.	Output:	Supports	Output: SoftChalk lessons may use html "forms" for quiz questions and activities. These are accessible via a Screen Reader and are key-board accessible.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Output:	Supports	Output: SoftChalk lessons provide a "skip navigation" feature at the top of each page, for easier page navigation via Assistive Technology
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Output:	Not Applicable	Output: SoftChalk lessons do not support timed responses.

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

### **Section 1194.23 Telecommunications Products** \* Refer to ( http://www.access-board.gov/sec508/quide/1194.23.htm ) for details on the guidelines listed below. Criteria Supporting Features **Remarks and explanations** (a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard Not Applicable non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use. (b) Telecommunications products which include voice communication functionality shall support all commonly used cross-Not Applicable manufacturer non-proprietary standard TTY signal protocols. (c) Voice mail, auto-attendant, and interactive voice response Not Applicable telecommunications systems shall be usable by TTY users with their TTYs. (d) Voice mail, messaging, autoattendant, and interactive voice response telecommunications systems that require a response from a user within a time Not Applicable interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required. (e) Where provided, caller identification and similar telecommunications functions Not Applicable shall also be available for users of TTYs, and for users who cannot see displays. (f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a Not Applicable minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided. (g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to Not Applicable automatically reset the volume to the default level after every use.

(h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided	Not Applicable	
(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.	. Not Applicable	
(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.	. Not Applicable	
(k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.	. Not Applicable	
(k)(2) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.	. Not Applicable	
(k)(3) Products which have mechanically operated controls or keys shall comply with the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.	. Not Applicable	
(k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either	. Not Applicable	

through touch or sound.		
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presentation or audio descriptions shall be

#### Section 1194.24 Video and Multi-media Products \* Refer to ( http://www.access-board.gov/sec508/quide/1194.24.htm ) for details on the guidelines listed below. Supporting Criteria Remarks and explanations **Features** (a) All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring SoftChalk Create does not include any at least 7.8 inches vertically, DTV sets with Not Applicable display hardware. conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. (b) Television tuners, including tuner cards SoftChalk Create does not include any for use in computers, shall be equipped with Not Applicable television tuner hardware. secondary audio program playback circuitry. Output: SoftChalk Create does not enable the creation of video, however it (c) All training and informational video and multimedia productions which support the does allow the author to include video agency's mission, regardless of format, that content elements (created using other Output: Supports contain speech or other audio information tools) in a SoftChalk lesson. It is up to necessary for the comprehension of the the content author to include video that includes captions; SoftChalk does not content, shall be open or closed captioned. require captions (d) All training and informational video and Output: It is possible to use the "ReadSpeaker" add-on product with multimedia productions which support the agency's mission, regardless of format, that SoftChalk. This enables a feature in the Output: Supports contain visual information necessary for the lesson content that allows the "learner" comprehension of the content, shall be to have the text in a content page in audio described. audio/spoken format. (e) Display or presentation of alternate text Output: SoftChalk does provide a

Output: Supports

method for the content author to add a

user-selectable unless permanent.	text description of a video that can be
	accessed a read in a separate window
	from the video.

Section 1194.25 Self-Contained, Closed Products  * Refer to ( <a href="http://www.access-board.gov/sec508/quide/1194.25.htm">http://www.access-board.gov/sec508/quide/1194.25.htm</a> ) for details on the guidelines listed below.		
Criteria	Supporting Features	Remarks and explanations
(a) Self contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.	Not Applicable	
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with $\hat{U}1194.23$ (k) (1) through (4).	Not Applicable	
(d) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	Not Applicable	
(e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.	Not Applicable	
(f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.	Not Applicable	
(g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Not Applicable	
(h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.	Not Applicable	
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	
(j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-	Not Applicable	

portable, and intended to be used in one location and which have operable controls.	
(j)(2) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.	Not Applicable
(j)(3) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.	Not Applicable
(j)(4) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.	Not Applicable

* Refer to ( <a href="http://www.access-board.gov/sec508/guide/1194.26.htm">http://www.access-board.gov/sec508/guide/1194.26.htm</a> ) for details on the guidelines listed below.			
Criteria	Supporting Features	Remarks and explanations	
(a) All mechanically operated controls and keys shall comply with $01194.23$ (k) (1) through (4).	Not applicable		
(b) If a product utilizes touchscreens or touch-operated controls, an			

Section 1194 26 Deskton and Portable Computers

through (4).

(c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.

input method shall be provided that complies with  $\hat{U}1194.23$  (k) (1)

Not applicable

(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards

Not applicable

Not applicable

Section 1194.31 Functional Performance Criteria			
Criteria	<b>Supporting Features</b>	Remarks and explanations	
(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.	Supported	Authoring: The controls in the SoftChalk interface are not operable by users of screen readers.  Output: SoftChalk content is	

		designed to be functional for blind and visually impaired students accessing the content with the aid of assistive technology
(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.	Authoring: Supports with exceptions	Authoring: The SoftChalk authoring interface does not support audio but does work with screen magnifiers.
	Output: Supports	Output: SoftChalk content is designed to be functional for blind and visually impaired students accessing the content with the aid of assistive technology
(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	Authoring: Supports	Authoring: SoftChalk Create's authoring interface does not require user hearing.
	Output: Supports	Output: SoftChalk content does not require the student to have hearing.
(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.	Authoring: Supports Output: Supports	Authoring: Audio information is not required for the operation of the SoftChak Create interface.
		Output: Audio information is not important for the use SoftChalk content.
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Authoring: Supports	Authoring: SoftChalk Create does not require the user to have speech to use the product.
	Output: Supports	Output: SoftChalk content does not require the student to have speech to use the content.
(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.	Authoring: Supports with exceptions	Authoring: Most controls and dialogs in SoftChalk Create can be accessed via keyboard controls with some exceptions such as certain Activity dialogs (HotSpot Image dialog, for example).
	Output: Supports with exceptions	Output: SoftChalk content does not require the student to have fine motor control to access and navigate the content. The student can use a keyboard and/or mouse to navigate and complete the content. There are 21 interactive activities that can be optionally included in a SoftChalk lesson. 14 of these are accessible with mouse

or keyboard. 7 of these are
accessible only via mouse.

Section 1194.41 Information, documentation, and support			
Criteria	Supporting Features	Remarks and explanations	
(a) Product support documentation provided to endusers shall be made available in alternate formats upon request, at no additional charge.	Supports	Accessible documentation is available via PDF or Word Documents and can be downloaded from the SoftChalk website.	
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Supports	Information about the accessibility of Softchalk Create 10 is available upon request.	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Support is provided via both telephone and email.	

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