

VPAT™

Voluntary Product Accessibility Template®

Version 1.3

The purpose of the **Voluntary Product Accessibility Template**, or **VPAT™**, is to assist Federal contracting officials and other buyers in making preliminary assessments regarding the availability of commercial “Electronic and Information Technology” products and services with features that support accessibility. It is assumed and recommended that offerers will provide additional contact information to facilitate more detailed inquiries.

The first table of the Template provides a summary view of the Section 508 Standards. The subsequent tables provide more detailed views of each subsection. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the Standards. The second column describes the supporting features of the product or refers you to the corresponding detailed table, e.g., “equivalent facilitation.” The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

Date: Nov 13, 2015

Name of Product: Hawkes Learning Student Web-Based Learning Platform

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Summary Table

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Section 1194.22 Web-based Internet Information and Applications	Applicable.	
Section 1194.23 Telecommunications Products	Not Applicable.	
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Section 1194.25 Self-Contained, Closed Products	Not Applicable.	
Section 1194.26 Desktop and Portable Computers	Not Applicable.	
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Section 1194.21 Software Applications and Operating Systems – Detail

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<i>Criteria</i>	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.	Not currently supported and in development.	In most areas within the product HTML elements that can be interacted with by default with a keyboard are used but not in every place. We are working to identify areas where users will not be able to answer questions or navigate to using a keyboard.
(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.	Supported.	All content provided through the Hawkes Student Web Platform is provided through standard web technologies. No accessibility features should be over ridden.
(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	Not currently supported and in development.	The focus will be visible to assistive technologies such as screen readers. We are currently ensuring that the user can freely move the focus on the screen using screen reader shortcuts.

<p>so that Assistive Technology can track focus and focus changes.</p>		
<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>Not currently supported and in development.</p>	<p>We are working to ensure that all user interface elements have a programmatically determinable label. Interactive SVG images are used in the assessment portion of the product. We are working to ensure that the interface components are properly and accurately labeled using native SVG elements.</p>
<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>Not currently supported and in development.</p>	<p>Images used in controls will have the same ID and alt text across the product.</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>Not currently supported and in development.</p>	<p>The minimum information displayed will be text information or text-equivalent information.</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supported.</p>	<p>All content is able to be adjusted by users for contrast and different colors through their OS. The Windows high contrast mode does not apply color settings correctly to SVG images which are used extensively in the product. In the future Hawkes hopes to have optional style sheets for high contrast images. In the interim Hawkes is able to provide alternate style sheets that users can employ through a plugin available in the Firefox and Chrome browsers.</p>
<p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>Not currently supported and in development.</p>	<p>There are no flash elements in the web-based version of the student application. However, there are interactive animations in the "Learn" mode that have been added for interactive learning. We are in the</p>

		process of adding descriptions for these animations.
(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.	Partially Supported.	There are some instances where content is referenced by color but they are rare. We are in the process of providing additional modes of recognition to these areas.
(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.	The product does not permit changing color and contrast but this is on our road map for this application. Since this is a web-based product, user color settings (such as the high contrast mode in Windows) will override most color settings. The Windows high contrast mode does not currently apply to SVG elements, which are used frequently throughout the product. Hawkes is happy to supply users with alternate stylesheets that they can apply to any browser that supports user stylesheets.
(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.	Supported.	There are no flashing or blinking elements in the Hawkes student web platform. Flashing and blinking elements do not conform to our design standards.
(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.	Not currently supported and in development.	Forms do allow navigating to the field elements and reading the labels for them but they are still to be tested to ensure 100% accessibility.

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Section 1194.22 Web-based Internet information and applications – Detail

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<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Not currently supported and in development.	We are in the process of adding alternative text for images. Most of the images in the product are SVG images which will be given structured alternative text through <title> and <desc> element. Other images will be given alternative text using the standard alt attribute. Math equations are created in MathML and rendered through the JavaScript library MathJax. We are partnered with MathML Cloud to provide alternative text for MathML expressions as a fall back for assistive technology that cannot understand MathML or MathJax created markup.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Partially supported.	Hawkes videos all have synchronized captions. They do not have audio descriptions. The animations that exist within the product still require equivalent alternatives.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Partially supported.	All instances where color is used to convey information are either referenced in

		context or semantic markup is used indicate importance.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supported.	Documents can be read in the sequence they are presented using screen reader keyboard shortcuts. There is no provision for removing styles, though.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable.	Server-side image maps are not used.
(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.	Server-side image maps are not used.
(g) Row and column headers shall be identified for data tables.	Not currently supported and in development.	Row and column headers are labelled appropriately but are not read when each cell value is read out.
(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.	Tables do not have more than two levels of rows or column headers.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not Applicable.	Frames are not used in the product.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supported.	We do not have any blinking elements within the product. Blinking elements are not allowed within our design standards.
(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.	Not Applicable.	We do not believe that text only pages will be necessary i.e., we are confident that every part of the product can be made to conform to these guidelines.

<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>	<p>Not currently supported and in development.</p>	<p>Information provided through JavaScript in the Hawkes Platform is being altered to be read by screen readers.</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>	<p>Not Applicable.</p>	<p>The student web application strives to not require any applet or plugin and uses native web technologies. The technologies used are HTML5, MathML, JavaScript, SVG, and CSS.</p>
<p>(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.</p>	<p>Not currently supported and in development.</p>	<p>Forms do allow navigating to the field elements and reading the labels for them but they are still to be tested to ensure 100% accessibility.</p>
<p>(o) A method shall be provided that permits users to skip repetitive navigation links.</p>	<p>Supported.</p>	<p>There is a skip to content link as well as headings on pages. We are working to improve the heading order of pages within the product.</p>
<p>(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</p>	<p>Supported.</p>	<p>Users are alerted when they are running out of time in WebTests. This option can be turned on and off.</p>

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.

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**Section 1194.24 Video and Multi-media Products –
Detail**

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Criteria	Supporting Features	Remarks and explanations
<p>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 at least 7.8 inches vertically, DTV sets with 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</p>	<p>Not Applicable.</p>	<p>The product does not include displays that are 13 inches or larger.</p>

<p>equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.</p>		
<p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>	<p>Not Applicable.</p>	<p>The product does not include television tuners.</p>
<p>(c) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.</p>	<p>Not currently supported and in development.</p>	<p>Not all of the training and how-to videos have been captioned yet.</p>
<p>(d) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.</p>	<p>Not currently supported and in development.</p>	<p>None of the videos for how to use the product have received audio description.</p>
<p>(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.</p>	<p>Supported.</p>	<p>Extant closed captioning can be turned off at user discretion.</p>

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Section 1194.31 Functional Performance Criteria – Detail

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Criteria	Supporting Features	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.	Not currently supported and in development.	Part of our process is improving the structure of the product to provide people who are blind the best reading experience. Structural improvements will also help users with low vision to utilize magnifiers more effectively.
(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.	Supported.	Users can use the Browser zoom functionality to enlarge text and interface. No testing has been done with a screen magnifier yet. The product is built on the Bootstrap framework which lends itself to screen enlargement. We hope to provide users with optional style sheets that will enlarge text.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for	Supported.	All information in the product is either text-based or video that has closed captioning. Audio-only media is only used as an alternative to visual display.

Assistive Technology used by people who are deaf or hard of hearing shall be provided		
(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.	Not Applicable.	No audio information is important to the use of the product. Audio is use in conjunction with video or as an alternative to the text representation.
(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.	Not Applicable.	The user application does not require user speech.
(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.	Partially supported.	Instructors have the option to choose which questions their students receive. Questions that require fine motor control could be removed from the possible questions. We are currently planning to update the product to ensure full keyboard accessibility.

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Section 1194.41 Information, Documentation and Support – Detail

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Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Not currently supported and in development.	We are in the process of providing captions for all training videos. Future documentation will be made using new accessible standards.
(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.	Supported.	Hawkes Learning is committed to providing details about the accessibility and compatibility features in desired formats, at no charge.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported.	Users can reach out to us for support through chat, e-mail, or phone.

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