Voluntary Product Accessibility Template (VPAT)

Date	2017-02-28
Name of Product	Top Hat Lecture - Professor Web
Version	
Contact	Steve Pascoe steve.pascoe+vpat@tophat.com

Summary Table

Criteria	Supporting Features	Remarks and Explanations
Section 1194.21: Software Applications and Operating Systems	Supports with Exceptions	Please refer to VPAT Details below.
Section 1194.22: Web-Based Internet Information and Applications	Supports with Exceptions	Please refer to VPAT Details below.
Section 1194.23: Telecommunications Products	Not Applicable	
Section 1194.24: Video and Multimedia Products	Supports through Equivalent Facilitation	Please refer to VPAT Details below.
Section 1194.25: Self-Contained, Closed Products	Not Applicable	
Section 1194.26: Desktop and Portable Computers	Supports with Exceptions	Please refer to VPAT Details below.
Section 1194.31: Functional Performance Criteria	Supports with Exceptions	Please refer to VPAT Details below.
Section 1194.41: Information, Documentation and Support	Supports with Exceptions	Please refer to VPAT Details below.

Section 1194.21: Software Application and Operating Systems - Details

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.	Supports when combined with Compatible Assistive Technology	All user interface elements within the Top Hat application receive keyboard focus when using an Assistive Technology such as VoiceOver or NVDA.
(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.	Supports with Exceptions	Top Hat does not disable active features of other products designed as accessibility features. The default focus indication from the web browser is disabled.
(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	Supports when combined with Compatible Assistive Technology	All user interface elements within the Top Hat application receive keyboard focus when using an Assistive Technology such as VoiceOver or NVDA. The default

focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.		browser focus is disabled.
(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.	Supports with Exceptions	Most user interface elements are labelled with several exceptions including some buttons in Present mode and some content filter buttons within the gradebook.
(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.	Supports	
(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.	Supports	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	
(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 with Exceptions	Top Hat does not rely on animation. When importing content into Top Hat, it is up to the instructor to ensure a non-animated option is available.

(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	Top Hat generally does not use color alone to convey information though some elements, such as the Student Online/Offline indicator, do.
(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	Top Hat does not provide the user a means to adjust color and contrast settings within the Top Hat application.
(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	Top Hat does not make use of flashing or blinking text, objects, or other elements.
(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	Top Hat makes use of the <label> tag to describe input elements, though in some cases the tag is either empty or is missing the appropriate "for" attribute.

Section 1194.22: Web-based Internet information and applications - Details

Criteria	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).	Supports with Exceptions	Top Hat makes use of the "alt" and "longdesc" attributes to describe image elements, though in some cases, such as the Top Hat logo, these are either empty or missing.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Supports	Top Hat makes use of accessible third party players such as YouTube to display multimedia.
(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	Top Hat generally does not use color alone to convey information though some elements, such as the Student Online/Offline indicator, do.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports with Exceptions	Top Hat makes use of Headings to properly layout pages, though in some cases, the headings are not in hierarchical order or are missing altogether.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Supports with Exceptions	Top Hat in general does not make use of Image Maps, with the exception of the Click on Target question type. This question type is primarily used to create a visual experience and providing text alternatives would undermine that experience.

(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.	Supports with Exceptions	Top Hat in general does not make use of Image Maps, with the exception of the Click on Target question type. This question type is primarily used to create a visual experience and providing text alternatives would undermine that experience.
(g) Row and column headers shall be identified for data tables.	Does not Support	While the Top Hat application does make use of tables, it does not include proper header tags (<th>) or scope attributes.
(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.	Supports with Exceptions	The sorting functionality in tables is currently communicated to AT through the use of aria-labels and a heading that indicates how data is sorted, however Top Hat does not make use of the dedicated ARIA markup for this purpose.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports	
(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	
(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	Does not Support	Top Hat does not provide a text-only page (e.g. site map).

text-only page shall be updated whenever the primary page changes.		
(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.	Supports with Exceptions	Top Hat makes use of Aria labels to describe scripted content or interface elements, however in some cases the labels are either missing or empty such as within the Create Matching Question dialog.
(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).	Supports	When displaying external content, Top Hat makes use of compliant third party services such as YouTube.
(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.	Supports with Exceptions	Top Hat makes use of the <label> tag to describe input elements, though in some cases the tag is either empty or is missing the appropriate "for" attribute.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports with Exceptions	Top Hat provides a 'Skip to Content' link at the top of most pages, though some, such as the Content page does not.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	The Professor interface does not make use of Time Limits.

Section 1194.23 Telecommunications Products - Details

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 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.	Not Applicable	Top Hat is not a Telecommunication product.
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Not Applicable	Top Hat is not a Telecommunication product.
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable	Top Hat is not a Telecommunication product.
(d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time 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.	Not Applicable	Top Hat is not a Telecommunication product.

(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Not Applicable	Top Hat is not a Telecommunication product.
(f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.	Not Applicable	Top Hat is not a Telecommunication product.
(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.	Not Applicable	Top Hat is not a Telecommunication product.
(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	Top Hat is not a Telecommunication product.
(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	Top Hat is not a Telecommunication product.

(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	Top Hat is not a Telecommunication product.
(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	Top Hat is not a Telecommunication product.
(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	Top Hat is not a Telecommunication product.
(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	Not Applicable	Top Hat is not a Telecommunication product.

repeat rate shall be adjustable to 2 seconds per character.		
(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 through touch or sound.	Not Applicable	Top Hat is not a Telecommunication product.

Section 1194.24 Video and Multimedia Products - Details

Criteria	Supporting Features	Remarks and explanations
(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 equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.	Not Applicable	Top Hat does not feature analog or digital television receivers or display circuitry.
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	Not Applicable	Top Hat does not feature analog or digital television receivers or display circuitry.

(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.	Supports through Equivalent Facilitation	All training materials are accompanied with textual explanations as alternatives.
(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.	Supports through Equivalent Facilitation	All training materials are accompanied with textual explanations as alternatives.
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Supports	Display of alternate text presentation or audio descriptions is handled using compliant third party services such as YouTube.

Section 1194.25 Self-Contained, Closed Products - Details

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	Top Hat is not a self-contained closed product.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	Top Hat is not a self-contained closed product.
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with Û1194.23 (k) (1) through (4).	Not Applicable	Top Hat is not a self-contained closed product.
(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	Top Hat is not a self-contained closed product.
(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	Not Applicable	Top Hat is not a self-contained closed product.

provide the ability to interrupt, pause, and restart the audio at anytime.		
(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	Top Hat is not a self-contained closed product.
(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	Top Hat is not a self-contained closed product.
(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	Top Hat is not a self-contained closed product.
(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	Top Hat is not a self-contained closed product.
(j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable	Not Applicable	Top Hat is not a self-contained closed product.

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-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	Top Hat is not a self-contained closed product.
(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	Top Hat is not a self-contained closed product.
(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:	Not Applicable	Top Hat is not a self-contained closed product.

Operable controls shall not be more than 24 inches behind the reference plane.		

Section 1194.26 Desktop and Portable Computers

Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).	Supports with Exceptions	See Section 1194.23
(b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with 1194.23 (k) (1) through (4).	Supports with Exceptions	See Section 1194.23
(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.	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	

Section 1194.31 Functional Performance Criteria - Details

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.	Supports with Exceptions	Top Hat supports a variety of assistive technologies on computers, web-browsers and mobile applications.
(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 with Exceptions	Top Hat supports a variety of assistive technologies on computers, web-browsers and mobile applications.
(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	Hearing is not a requirement to use this product.
(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	Not Applicable	Hearing is not a requirement to use or operate Top Hat.

auditory fashion, or support for assistive hearing devices shall be provided.		
(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	Speech is not a requirement to use or operate Top Hat
(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	Top Hat supports a variety of assistive technologies on computers, web-browsers and mobile applications.

Section 1194.41 Information, documentation, and support - Details

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.	Supports	Top Hat offers phone, email and chat support at no extra charge. Documents can also be provided in a PDF format or as a printed guide when requested.
(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 with Exceptions	Top Hat supports a variety of assistive technologies, and our support team can help get started with these technologies. We do not offer support for assistive technology solutions themselves.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Top Hat support personnel have received training on how to respond to accessibility questions by an end user.