

Voluntary Product Evaluation Template (VPAT)

Date: 11/1/2011

Name of Product: Kurzweil 3000

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Refer to the [ITIC Best Practices](#) for filling out the following form.

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Section 1194.21 Software Applications and Operating Systems		
* Refer to (http://www.access-board.gov/sec508/guide/1194.21.htm) 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.	<ul style="list-style-type: none"> - IntelliKeys overlays - Keyboard shortcuts - Menu structure - AAC Devices & Switches - Speech recognition (optional) 	Kurzweil 3000 provides access to all features either through use of keyboard shortcuts, or via the menu structure of the program. Standard Windows conventions are followed such that CTRL+C, which is the global keyboard shortcut to copy a selection of text, does the exact same thing in Kurzweil 3000. Users of the IntelliKeys adaptive keyboard

		<p>can use it in conjunction with Kurzweil 3000.</p> <p>Additionally, some of the leading augmentative and alternative communication (AAC) devices and switch interface products work with Kurzweil 3000 for individuals with physical disabilities.</p> <p>Finally, it is also possible to use off-the-shelf speech recognition technology to command and control Kurzweil 3000.</p>
<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>To the best of our knowledge, Kurzweil works well with other assistive technology products and with all supported operating systems and related accessibility features.</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>	<ul style="list-style-type: none"> - Adjustable cursor 	<p>It is possible to adjust the color and thickness of the cursor in Kurzweil 3000, making it more visible in the process.</p> <p>To the best of our knowledge, Kurzweil 3000's interface works well with other assistive technology products including screen reading software for the blind, etc.</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>	<ul style="list-style-type: none"> - Speak buttons - Speak messages - Button labels/tool tips 	<p>It is possible to activate speaking of buttons and messages in Kurzweil 3000. When activated, Kurzweil 3000 announces everything inside menus, message boxes, etc.</p>
<p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the</p>		<p>The user interface in Kurzweil 3000 is consistent throughout all processes.</p>

meaning assigned to those images shall be consistent throughout an application's performance.		This means that the read button, for example, is in the same place whether the user is reading a document or reading a dictionary definition.
(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.		This requirement is not entirely clear to us. That said, when working in a text file, information is clearly visible on screen confirming text attributes. To hear any text, simply activate reading by keyboard or mouse, or via any other means such as speech recognition or other assistive technology interface.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.		To the best of our knowledge, Kurzweil 3000 does not override any settings established by the user.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	n/a	Animation is not a feature found in Kurzweil 3000.
(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.		Color coding is not used as the only means of conveying information.
(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.	<ul style="list-style-type: none"> - Change font color - Change background color - Change highlight color - Change cursor color 	Kurzweil 3000 allows the user to change the color for a wide range of things including those items listed to the left.
(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.		We are not certain about the frequency rate when words are highlighted on the screen. That said, highlighting can be disabled if preferred and/or required.
(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.	<ul style="list-style-type: none"> - Fill in the Blanks 	Kurzweil 3000 can automatically locate form fill opportunities and populate them with a text box. The user navigates to the box using keyboard, mouse, or other navigation technology.

		Kurzweil 3000 is unique in that it can read the entire document, complete with user entered text, in context for proof-reading purposes.
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Section 1194.22 Web-based Internet information and applications		
* Refer to (http://www.access-board.gov/sec508/guide/1194.22.htm) for details on the guidelines listed below.		
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).	n/a	Kurzweil 3000 is not web-based
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	n/a	Kurzweil 3000 is not web-based
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	n/a	Kurzweil 3000 is not web-based
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	n/a	Kurzweil 3000 is not web-based
(e) Redundant text links shall be provided for each active region of a server-side image map.	n/a	Kurzweil 3000 is not web-based
(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.	n/a	Kurzweil 3000 is not web-based
(g) Row and column headers shall be identified for data tables.	n/a	Kurzweil 3000 is not web-based
(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.	n/a	Kurzweil 3000 is not web-based
(i) Frames shall be titled with text that facilitates frame identification and navigation	n/a	Kurzweil 3000 is not web-based
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	n/a	Kurzweil 3000 is not web-based
(k) A text-only page, with equivalent	n/a	Kurzweil 3000 is not web-

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.		based
(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.	n/a	Kurzweil 3000 is not web-based
(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).	n/a	Kurzweil 3000 is not web-based
(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.	n/a	Kurzweil 3000 is not web-based
(o) A method shall be provided that permits users to skip repetitive navigation links.	n/a	Kurzweil 3000 is not web-based
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	n/a	Kurzweil 3000 is not web-based

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 1194.23 Telecommunications Products		
* Refer to (http://www.access-board.gov/sec508/guide/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	n/a	Kurzweil 3000 is not a telecommunications product.

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.		
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	n/a	Kurzweil 3000 is not a telecommunications product.
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications product.
(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices)	n/a	Kurzweil 3000 is not a telecommunications product.

shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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.	n/a	Kurzweil 3000 is not a telecommunications 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 repeat rate shall be adjustable to 2 seconds per character.	n/a	Kurzweil 3000 is not a telecommunications product.
(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.	n/a	Kurzweil 3000 is not a telecommunications product.

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Section 1194.24 Video and Multi-media Products		
* Refer to (http://www.access-board.gov/sec508/guide/1194.24.htm) for details on the guidelines listed below.		
Criteria	Supporting	Remarks and

	Features	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.	n/a	Kurzweil 3000 is not a video and multi-media product
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	n/a	Kurzweil 3000 is not a video and multi-media product
(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.	n/a	Kurzweil 3000 is not a video and multi-media product
(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.	n/a	Kurzweil 3000 is not a video and multi-media product
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	n/a	Kurzweil 3000 is not a video and multi-media product

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Section 1194.25 Self-Contained, Closed Products		
* Refer to (http://www.access-board.gov/sec508/guide/1194.25.htm) 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.		Kurzweil 3000 provides all necessary access for those who use it.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	n/a	
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with 1194.23 (k) (1) through (4).	n/a	

(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.	n/a	
(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.	- Start/Pause reading	Kurzweil 3000 allows the user to interrupt reading at any time, to advance backwards or forward through the text, to navigate across pages, and to change the rate or speech and the voice (male/female).
(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.		Volume control is a feature of the operating system on which Kurzweil 3000 is installed. As such, fine adjustments to volume are possible.
(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.		Color coding is not used as the only means of conveying information.
(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.	<ul style="list-style-type: none"> - Change font color - Change background color - Change highlight color - Change cursor color 	Kurzweil 3000 allows the user to change the color for a wide range of things including those items listed to the left.
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	n/a	A function of the computer hardware on which Kurzweil 3000 is installed.
(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-portable, and intended to be used in one location and which have operable controls.	n/a	

(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.	n/a	
(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.	n/a	
(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.	n/a	

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Section 1194.26 Desktop and Portable Computers		
* Refer to (http://www.access-board.gov/sec508/guide/1194.26.htm) for details on the guidelines listed below.		
Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).	n/a	
(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).	n/a	
(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.	n/a	
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards	n/a	

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Section 1194.31 Functional Performance Criteria		
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.	<ul style="list-style-type: none"> - Speak menus - Speak buttons - Text-to-speech while you type 	Absolutely! Kurzweil 1000 provides audible output for users who are blind or visually impaired. Additionally, use of a screen-reading program is also permitted.
(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.	<ul style="list-style-type: none"> - Zoom - Magnify Spoken Word 	Kurzweil 3000 allows the user to enlarge fonts through use of operating system accessibility features or through the use of a magnification screen-reading program. Kurzweil 3000 also provides zoom capabilities and a magnify spoken word window to enlarge text on the screen.
(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		Kurzweil 3000 is first and foremost a product for individuals with a sight-based learning disability. That said, an individual with a hearing impairment can see words as they are highlighted and spoken.
(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.		Anything that is spoken by Kurzweil 3000 is also displayed in text on screen. Additionally, words are highlighted in context as reading takes place to help them follow along.
(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.	n/a	It is not necessary to speak in order to use Kurzweil 3000.
(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.		Command and control of Kurzweil 3000 is possible using speech recognition technology, keyboard, mouse, or other access technology.

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Section 1194.41 Information, documentation, and support		
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.		All Kurzweil 3000 documentation is made available in electronic format only, so that it can be read out loud directly from within Kurzweil 3000.
(b) End-users shall have access to a description of the accessibility and compatibility features of products in		All information is provided electronically so that the end user can listen to it being read by Kurzweil 3000, or by using another assistive

alternate formats or alternate methods upon request, at no additional charge.		technology product to access documentation.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.		Support is available by phone and via email during our posted business hours. We have (and do/will) worked via special operators to facilitate communication with individuals who cannot use a phone or computer because of special needs.

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