

## Voluntary Product Evaluation Template (VPAT)

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Name of Product: i>clicker Classroom Response System

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Summary Table		
Criteria	Supporting Features	Remarks and explanations
Section 1194.21 <a href="#">Software Applications and Operating Systems</a>	Not applicable	i>clicker is not a software application (for students). It works with the local operating system on the instructor's computer.
Section 1194.22 <a href="#">Web-based internet information and applications</a>	Included	Please refer to the attached VPAT.
Section 1194.23 <a href="#">Telecommunications Products</a>	Included (limited)	The i>clicker base communication does utilize radio frequency technology, and therefore a select number of requirements in this section apply.
Section 1194.24 <a href="#">Video and Multi-media Products</a>	Not applicable	There are no video or multimedia elements to the i>clicker classroom response system.
Section 1194.25 <a href="#">Self-Contained, Closed Products</a>	Included	Please refer to the attached VPAT.
Section 1194.26 <a href="#">Desktop and Portable Computers</a>	Not applicable	i>clicker is neither a desktop nor a portable computer.
Section 1194.31 <a href="#">Functional Performance Criteria</a>	Included	Please refer to the attached VPAT.
Section 1194.41 <a href="#">Information, documentation, and support.</a>	Included	Please refer to the attached VPAT.

### i>clicker Student Registration page (<http://iclicker.com/registration>)

Section 1194.22 Web-based Internet information and applications		
* Refer to ( <a href="http://www.access-board.gov/sec508/guide/1194.22.htm">http://www.access-board.gov/sec508/guide/1194.22.htm</a> ) 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).	Supports	All images have appropriate and carefully chosen alt-text alternatives.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	No multimedia elements or presentations.
(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	Color alone does not convey information.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	Style sheets are used, but pages are readable with style sheets disabled.

(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	No image maps.
(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	No image maps
(g) Row and column headers shall be identified for data tables.	Not Applicable	No Data Tables
(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	No Data Tables
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not Applicable	No frames
(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	No flashing or flickering content
(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.	Supports	No need for a text replacement
(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	No scripts
(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).	Not Applicable	No 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.	Supports	All forms labeled using the label element.
(o) A method shall be provided that	Supports	There are no repetitive

permits users to skip repetitive navigation links.		navigation links and the main content begins with a level 1 HTML heading
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	No 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.

<b>i&gt;clicker student handheld device</b>		
<b>Section 1194.23: Telecommunications Products Detail</b>		
* Refer to ( <a href="http://www.access-board.gov/sec508/guide/1194.23.htm">http://www.access-board.gov/sec508/guide/1194.23.htm</a> ) for details on the guidelines listed below.		
<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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	i>clicker is hardware device without any voice or audio functionality. The i>clicker keypad includes 6 buttons (A-E, power button) and is designed solely for in-class/in-lecture voting by students (in response to questions posed by the instructor).
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Not applicable	i>clicker is hardware device without any voice or audio functionality.
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not applicable	i>clicker is hardware device without any voice or audio functionality.
(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	Not applicable	i>clicker is hardware device without any voice or audio functionality.

out, and shall provide sufficient time for the user to indicate more time is required.		
(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	i>clicker is hardware device without any voice or audio functionality.
(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	i>clicker is hardware device without any voice or audio functionality.
(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	i>clicker is hardware device without any voice or audio functionality.
(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>clicker is hardware device without any voice or audio functionality.
(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.	Supports, with exceptions	i>clicker operates at 900-915 MHz, and the majority of hearing aids/assistive listening devices operate at a higher frequency. Interference is highly unlikely (especially as compared to competing systems, which use the 2.4 GHz band).
(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	Not applicable	There is no audio requirement in transmitting information from the receiver to the student's remote i>clicker (or vice versa). Vote receipt is confirmed via Vote Status LED light.

encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.		
(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.	Supports	Individual i>clicker keys are identifiable and supportable by touch. The limited i>clicker keyboard (keys A-E) requires pressure in order to register a vote.
(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.	Supports	i>clicker remotes are easily operable with one hand and do not require tight grasping, pinching, or twisting of the wrist. The force required to activate the keys is minimal.
(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	i>clicker does not support key repeat.
(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.	i>clicker does not require or enable toggle controls. The hardware is limited to the use of 6 keys (A-E, power button) for purposes of in-class polling/voting.

## The i>clicker hand held device

### 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.	Supports	i>clicker is self-contained with large keys and raised key identification.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	Timed responses are not required.
(c) Where a product utilizes touch screens or contact-sensitive controls, an input method shall be provided that complies with 1194.23 (k) (1) through (4).	Not Applicable	There are no contact sensitive controls.
(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	No biometric controls.
(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	No auditory output provided.
(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	No voice output provided.
(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.	Supports	A green "Vote Status" light indicates the vote was received. A red flashing "Vote Status" light indicates the user must vote again. A vibrating clicker is also available for low vision students (the vibration confirms the vote was received).
(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	No adjustment of contrast
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower	Supports	No flashing of seizure inducing type included.

than 55 Hz.		
(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.	Not Applicable	Product is portable
(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	Product is portable
(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	Product is portable
(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	Product is portable

**The i>clicker hand held device**

**Section 1194.31 Functional Performance Criteria**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supports	The i>clicker hardware does not require user vision. A vibrating clicker and accompanying Braille stickers further assist blind and visually impaired students.
(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	i>clicker hardware, in its natural state, does not require visual acuity greater than 20/70. The product in its normal state supports people with low vision.

(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	Not applicable	No audio is required to use i>clicker.
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Supports	No audio controls are required to use i>clicker. All voting activity can be done by sight.
(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.	Supports	No speech/voice output required to use i>clicker. All voting activity can be done with the handheld device.
(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	The large keypad and raised letter keys of the standard i>clicker remote eliminate the need for fine motor control. No simultaneous actions are required.

**The i>clicker classroom response system**

**Section 1194.41 Information, documentation, and support**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supported.	All documentation is available in both PDF and RTF formats at no additional charge.
(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.	Documentation is available at no additional charge.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports, with exceptions	Support for i>clicker is available in a variety of formats: website, email, and direct phone. Direct phone support is not TTY enabled.