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: 6 June 2018
Name of Product: Aira Connectivity Kit
Contact for more Information (name/phone/email): Greg Stilson, Dir. Of Product Management, greg.stilson@aira.io **, ph: (858)876-2472**

Summary Table
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Criteria	Supporting Features	Remarks and explanations

Section 1194.21 Software Applications and Operating Systems	Aira is a fully accessible mobile device and wearable accessory which connects a person who is blind or visually impaired to a sighted, trained agent to provide access to any visual information.	In addition to the Aira app and experience being accessible, it can provide accessible access to traditionally inaccessible experiences.
Section 1194.22 Web-based Internet Information and Applications	The Aira web site is accessible with a screen reader and the Aira service provides access via its agents to sites which typically would be inaccessible	Because of the trained sighted human in the loop, access to typically inaccessible sites is possible
Section 1194.23 Telecommunications Products	Aira is a fully accessible mobile device and wearable accessory which connects a person who is blind or visually impaired to a sighted, trained agent to provide access to any visual information.	Due to the sited trained agent, providing description, access to typically inaccessible telecommunication tools is possible with Aira.
Section 1194.24 Video and Multimedia Products	Aira is a fully accessible mobile device and wearable accessory which connects a person who is blind or visually impaired to a sighted, trained agent to provide access to any visual information.	Due to the sited trained agent, providing description, access to typically inaccessible video or multimedia tools is possible with Aira.

Section 1194.25 Self-Contained, Closed Products	Aira is a fully accessible mobile device and wearable accessory which connects a person who is blind or visually impaired to a sighted, trained agent to provide access to any visual information.	With the trained agent's assistance, access to the majority of visual information is possible for a sighted employee.
Section 1194.26 Desktop and Portable Computers	Aira is a fully accessible mobile device and wearable accessory which connects a person who is blind or visually impaired to a sighted, trained agent to provide access to any visual information.	Aira is used to complement traditional screen reading or magnification technology and is supremely beneficial when working with traditionally inaccessible web sites or applications, where the screen readers cannot assist.
Section 1194.31 Functional Performance Criteria	The Aira app and service provides information retrieval methods for those who are visually impaired. This occurs both in the app experience and with the trained sighted agents	Both the app and the agent experience is accessible for those who are visually impaired.

| Section 1194.41 Information, Documentation and Support | Aira's documentation, information and support content are all accessible via screen readers and other assistive technology for those who are visually impaired. | In addition our live agents can assist with support inquiries. |

Section 1194.21 Software Applications and Operating Systems – Detail

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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.	The Aira app has its own imbedded screen reader and voice assistance	The entire Aira app experience is accessible via the in app voice assistant

(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.	The Aira experience is a self contained experience on the Android device which is meant for use with the Aira experience only.	The Aira experience is a completely accessible one utilizing its own screen reader and voice assistant
(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.	The app is meant to be used without need for the screen to be active with everything being self voicing, but there is a mechanism to enable the screen if needed	App is fully self voicing and voice assistance is possible via speech recognition
(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.	The Aira app is self voicing and all elements are clearly defined	All elements including states are voiced
(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.	No images are utilized in this experience	Designed for a blind or visually impaired user

(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.	System uses text for the majority of the information in the Aira experience	System is designed for a blind or visually impaired user
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	System is self voicing and entire Aira controller device is non-visual	Device is meant to be used without a screen
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	No animation is used	Device is meant to be used without a screen
(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.	No color is used	System is designed for a blind or visually impaired user
(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.	No color or visual settings are used	System is designed for a blind or visually impaired user
(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.	Device is meant to be used without a visual screen	System is designed for a blind or visually impaired user

(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.	All input is handled via a voice interface	System is designed for a blind or visually impaired user

Section 1194.22 Web-based Internet information and applications – Detail

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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).	All content is text based	System is designed for a blind or visually impaired user
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Aira uses no multimedia presentations but can give access to them via the human agent	System is designed for a blind or visually impaired user
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	No screen is needed	System is designed for a blind or visually impaired user

(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Aira experience provides full text to speech capabilities of reading documents along with the ability to contact a human agent to read such documents when needed	Text to speech + OCR + Human agent provides fully accessible access to documents
(e) Redundant text links shall be provided for each active region of a server-side image map.	None are utilized with the Aira experience	System is designed for a blind or visually impaired user
(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.	No images are used	System is designed for a blind or visually impaired user
(g) Row and column headers shall be identified for data tables.	No tables are utilized with Aira experience	?Working with an agent can assist with reading tables however
(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.	Aira does not use tables in its experience	?Working with an agent can assist with reading tables however
(i) Frames shall be titled with text that facilitates frame identification and navigation	All sections of the Aira application are tagged with text	Device experience is designed for a user who is blind or visually impaired

(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Device is meant to be used without a screen	Designed for blind or visually impaired users
(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.	Aira website has all appropriate text labeling and usage to provide access to a blind or visually impaired user.	/???App and site are designed for the blind and visually impaired community (BVI)
(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.	The Aira app and site are fully accessible with text tagging when needed	App and site are designed for BVI users
(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).	The Aira app and site are fully accessible with text tagging when needed	App and site are designed for BVI users
(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.	The Aira app and site are fully accessible with text tagging when needed	App and site are designed for BVI users

(o) A method shall be provided that permits users to skip repetitive navigation links.	The Aira app and site are efficient for BVI users to navigate with a screen reader	All elements are tagged and voice access is also possible
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	No timed responses needed	

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

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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	Device is specifically designed to assist those with visual impairments.	Device is meant to be used with a screen reader and voice input

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.	Device is not designed for standard telecommunication	Meant to be a tool to assist those with visual impairments
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	NA	NA
(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.	NA	NA
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Device is meant to be used without a display	Meant to be used primarily with a human agent describing visual information to a blind user

(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.	Supporting standard cell phone functionality q	Supporting standard cell phone capabilities with the ability to pair with bluetooth accessories
(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.	Device is meant to be used by those with visual impairments to receive access to visual information	Restarting device will reset volume if needed
(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.	Device supports standard bluetooth hearing devices	Meant to be used by those with visual impairments, but access to bluetooth hearing devices is possible
(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.	Meant to be used by a visually impaired person, but access to hearing devices is possible	Support for bluetooth hearing devices is available

(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.	Uses standard cell phone technology for transmission	
(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.	All buttons are tactile	Meant to be used by a blind or visually impaired user
(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.	Device is meant to be used with one hand	Meant to be used by a blind or visually impaired user
(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.	NA	NA

(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.	NA	NA

Section 1194.24 Video and Multi-media Products

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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.	NA	NA

(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	NA	NA
(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.	Support material is designed for blind and visually impaired users and is audio described	Agents can also describe inaccessible content
(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.	Support material is designed for blind and visually impaired users and is audio described	In addition Aira agents can describe any inaccessible content to make it accessible
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Audio descriptions are needed for the BVI population which Aira is directed at	Also agents can assist with audio description if needed

Section 1194.25 Self-Contained, Closed Products – Detail

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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.	Aira is self voicing	No assistive tech needed
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	NA	NA
(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).	Screen is there but not used with Aira controller device. All control is done via one's voice or physical buttons	Voice or physical buttons control the Aira experience. Not the screen

(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.	NA	NA
(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.	Supports a headphone jack	Also bluetooth audio options are supported
(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.	Supported	Headphones, external speakers and bluetooth audio options are available with Aira

(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.	Designed for a blind or visually impaired user	
(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.	Device is meant to not be used with a screen	Designed for a BVI user
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	NA	Meant to be used with screen disabled

(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.	NA	NA
(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.	NA	NA

(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.	NA	NA
(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.	NA	NA

Section 1194.26 Desktop and Portable Computers – Detail

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Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Supported	Device is meant for a BVI user and physical buttons and voice interaction are the primary use cases
(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).	Screen is disabled	Device is meant for a BVI user and physical buttons and voice interaction are the primary use cases
(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.	NA	NA
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards	NA	NA

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.	Supported by voice feedback	Device is meant to be used by those with visual impairments
(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 via voice feedback	Device is meant to be used by those with visual impairments

(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	Supported	Support for bluetooth hearing devices is possible
(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.	Supported	Device is meant to be used by those with visual impairments but support for assistive bluetooth hearing devices is available
(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.	Supported	In addition to using voice assistance one can use the physical buttons
(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.	Voice assistance is the primary method of interaction	Voice usage is the main mechanism of interfacing with Aira

Section 1194.41 Information, Documentation and Support – Detail

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Criteria	Supporting Features	Remarks and explana-tions
(a) Product support docu-mentation provided to end-users shall be made available in alternate for-mats upon request, at no additional charge	Supported	Supported and available on web
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate for-mats or alternate meth-ods upon request, at no additional charge.	Supported	Supported and available on web
(c) Support services for products shall accommo-date the communication needs of end-users with disabilities.	Supported	Meant for those with vis-ual impairments