ETHERNET TRANSPORT SERVICE (ETS) (2.1.2)

Date: August 27, 2017

Name of Service: Ethernet Transport Service

The MetTel architecture allows users with disabilities to access their Agency's services transparently using their existing assistive technology. MetTel tests with, and evaluates, industry specific Associative Technology (AT) vendors to assess interoperability with Teletypewriter (TTY) and AT devices. MetTel has a toll-free number (1-877-2Go-2EIS) which provides Agencies with direct access to MetTel Customer Support. This number is 508 compliant, enabling access by Email (EIS@MetTel.net), FAX, TTY, telecommunications display devices, text messaging, or other methods as needed.

Summary Table **VPAT™** **Voluntary Product Accessibility Template®**		
Criteria	**Supporting Features**	**Remarks and explanations**
Section 1194.21 Software Applications and Operating Systems – Detail	Supports	Application features are transmitted transparently
Section 1194.22 Web-Based Internet information and applications – Detail	Supports	Application features are transmitted transparently
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Section 1194.21 Software Applications and Operating Systems – Detail VPAT™ Voluntary Product Accessibility Template®		
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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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.	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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.	Supports	Application features are transmitted transparently

Section 1194.21 Software Applications and Operating Systems – Detail **VPAT™** **Voluntary Product Accessibility Template®**		
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently

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Section 1194.22 Web-Based Internet information and applications – Detail **VPAT™** **Voluntary Product Accessibility Template®**		
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	Application features are transmitted transparently
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	Application features are transmitted transparently
(e) Redundant text links shall be provided for each active region of a server-side image map.	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(g) Row and column headers shall be identified for data tables.	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(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	Application features are transmitted transparently
(n) When electronic forms are designed to be completed on-line, the form shall allow people using	Supports	Application features are transmitted

Section 1194.22 Web-Based Internet information and applications – Detail **VPAT™** **Voluntary Product Accessibility Template®**		
Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.		transparently
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	Application features are transmitted transparently
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports	Application features are transmitted transparently

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 – Detail **VPAT™** **Voluntary Product Accessibility Template®**		
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.	Supports	
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Supports	
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Supports	
(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.	Supports	
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Supports	
(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.	Supports	
(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.	Supports	
(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.	Supports	
(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	
(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	Supports	

Section 1194.23 Telecommunications Products – Detail VPAT™ Voluntary Product Accessibility Template®		
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	
(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	
(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.	Supports	
(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.	Supports	