

CMPro Version 2.2 VPAT for Section 508

Ref#: DOC200500004 / Revision: -

The purpose of a Voluntary Product Accessibility document, 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.

The first table of this VPAT document 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 CMPro or refers you to the corresponding detailed table, "e.g., equivalent facilitation." The third column contains any additional remarks and explanations. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of CMPro 2.2 with regard to that paragraph. The third column contains any additional remarks and explanations.

The following abbreviations and language are used in the Supporting Features column of the VPAT tables below:

<i>Abbreviation / Language</i>	<i>Used When...</i>
S / Supports	CMPro 2.2 fully meets the letter and intent of the Criteria.
SE / Supports with Exceptions	CMPro 2.2 does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria.
SEF / Supports through Equivalent Facilitation	An alternate way to meet the intent of the Criteria has been identified, or CMPro 2.2 does not fully meet the intent of the Criteria.
SCAT / Supports when Combined with Compatible AT	CMPro 2.2 fully meets the letter and intent of the Criteria when used in combination with Compatible AT. For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used assistive technology for people who are blind).
DNS / Does Not Support	CMPro 2.2 does not meet the letter or intent of the Criteria.
NA / Not Applicable	The Criteria do not apply to CMPro 2.2.
FAEA / Not Applicable – Fundamental Alteration Exception Applies	A Fundamental Alteration to CMPro 2.2 would be required to meet the Criteria.

Please feel free to contact PSA for additional information.

Summary Table

<i>Summary Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
Section 1194.21 Software Applications and Operating Systems	*	See full section below for details.
Section 1194.22 Web-based Internet Information and Applications	*	See full section below for details.

<i>Summary Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
Section 1194.23 Telecommunications Products	NA	CMPro 2.2 is not a telecommunications product.
Section 1194.24 Video and Multi-media Products	*	CMPro 2.2 is not a video or multi-media product. Some training content is provided in a multi-media format. See section below for details.
Section 1194.25 Self-Contained, Closed Products	NA	CMPro 2.2 is not considered a self-contained, closed product.
Section 1194.26 Desktop and Portable Computers	NA	CMPro 2.2 is not a personal or portable computer.
Section 1194.31 Functional Performance Criteria	*	See full section below for details.
Section 1194.41 Information, Documentation and Support	*	See full section below for details.

Section 1194.21 Software Applications and Operating Systems

<i>Section 1194.21 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	SE	CMPro 2.2 complies with this criteria across the majority of the product feature set, but some instances have been found where keyboard execution of functions cannot be performed. These are being isolated and resolved as quickly as possible.
(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.	S	
(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.	S	

<i>Section 1194.21 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	SE	CMPro 2.2 complies with this criteria across the majority of the product feature set, but some instances have been found where information about a user interface element has not been made available to Assistive Technology. These are being isolated and resolved as quickly as possible.
(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.	S	
(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.	S	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	SE	CMPro 2.2 complies with this criteria across the majority of the product feature set, but some instances have been found where contrast a color settings are controlled exclusively by the product. These are being isolated and resolved as quickly as possible.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	NA	
(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.	S	
(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.	SE	The CMPro 2.2 PC client and Java-based thin-client do not permit users to change their color schemes. Color schemes can be set via the HTML interface that will meet this criteria.
(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.	S	
(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.	S	

Section 1194.22 Web-based Internet Information and Applications

<i>Section 1194.22 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	S	
(b) Equivalent alternatives for any multi-media presentation shall be synchronized with the presentation.	NA	CMPro 2.2 does not use multi-media presentations in its operation.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	S	
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	S	
(e) Redundant text links shall be provided for each active region of a server-side image map.	S	
(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.	S	
(g) Row and column headers shall be identified for data tables.	S	
(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.	S	
(i) Frames shall be titled with text that facilitates frame identification and navigation	NA	The CMPro 2.2 HTML interface does not use 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.	S	
(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.	S	
(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.	S	

<i>Section 1194.22 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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).	SE	CMPro 2.2 complies with this criteria across the majority of the product feature set, but some instances have been found where plug-in/virtual-machine links are not present. These are being isolated and resolved as quickly as possible.
(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.	S	
(o) A method shall be provided that permits users to skip repetitive navigation links.	S	
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	NA	CMPro 2.2 does not require any 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.

Section 1194.23 Telecommunications Products

<i>Section 1194.23 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	NA	CMPro 2.2 is not a telecommunications product.
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	NA	CMPro 2.2 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.	NA	CMPro 2.2 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.	NA	CMPro 2.2 is not a telecommunications product.

<i>Section 1194.23 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	NA	CMPro 2.2 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.	NA	CMPro 2.2 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.	NA	CMPro 2.2 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.	NA	CMPro 2.2 is not a telecommunications 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.	NA	CMPro 2.2 is not a 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.	NA	CMPro 2.2 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.	NA	CMPro 2.2 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.	NA	CMPro 2.2 is not a telecommunications product.

<i>Section 1194.23 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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	CMPro 2.2 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.	NA	CMPro 2.2 is not a telecommunications product.

Section 1194.24 Video and Multi-media Products

<i>Section 1194.24 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
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	CMPro 2.2 is not a video or multi-media product.
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	NA	CMPro 2.2 is not a video or 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.	S	

<i>Section 1194.24 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	DNS	Audio descriptions are currently planned for CMPro 2.2 multi-media-based training materials.
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	S	

Section 1194.25 Self-Contained, Closed Products

<i>Section 1194.25 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	NA	CMPro 2.2 is not considered 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.	NA	CMPro 2.2 is not considered a self-contained, closed product.
(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).	NA	CMPro 2.2 is not considered 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.	NA	CMPro 2.2 is not considered 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 provide the ability to interrupt, pause, and restart the audio at anytime.	NA	CMPro 2.2 is not considered a self-contained, closed product.
(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.	NA	CMPro 2.2 is not considered a self-contained, closed product.

<i>Section 1194.25 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	NA	CMPPro 2.2 is not considered 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.	NA	CMPPro 2.2 is not considered 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.	NA	CMPPro 2.2 is not considered 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 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	CMPPro 2.2 is not considered a self-contained, closed product.
(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	CMPPro 2.2 is not considered 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.	NA	CMPPro 2.2 is not considered 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: Operable controls shall not be more than 24 inches behind the reference plane.	NA	CMPPro 2.2 is not considered a self-contained, closed product.

Section 1194.26 Desktop and Portable Computers

<i>Section 1194.26 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).	NA	CMPro 2.2 is not a personal or portable computer.
(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).	NA	CMPro 2.2 is not a personal or portable computer.
(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	CMPro 2.2 is not a personal or portable computer.
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.	NA	CMPro 2.2 is not a personal or portable computer.

Section 1194.31 Functional Performance Criteria

<i>Section 1194.31 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	SCAT	CMPro 2.2 supports this criteria through AT associated with the computer from which it is used.
(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.	SCAT	CMPro 2.2 supports this criteria through AT associated with the computer from which it is used.
(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	SCAT	CMPro 2.2 supports this criteria through AT associated with the computer from which it is used.
(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.	SCAT	CMPro 2.2 supports this criteria through AT associated with the computer from which it is used.

<i>Section 1194.31 Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(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.	NA	CMPro 2.2 does not require speech for operation.
(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.	SCAT	CMPro 2.2 supports this criteria through AT associated with the computer from which it is used.

Section 1194.41 Information, Documentation and Support

<i>Criteria</i>	<i>Supporting Features</i>	<i>Remarks and Explanations</i>
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	S	
(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.	S	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	S	