

CORASWorks v11 End-User VPAT

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CORASWorks v11 End-User VPAT

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Overview

Date: March 2016

Name of Product: CORASCloud CORASWorks v11

For more information about support services, visit the CorasCloud Accessibility website at:
<http://Help.CorasWorks.net/Accessibilty.aspx>

CorasWorks v11 is a solution platform including a powerful set of tools that range from easy-to-use power user level components to the components used to build robust enterprise class solutions. The platform has three major categories of capabilities: Basic components, Advanced components, and CorasWorks Application Service (CAPS). Basic components allow the power user to extend an existing application through point-and-click wizards, create rapid ad-hoc reports and analysis, and even business processes.

Advanced components are meant to be used to build robust solutions that require a higher level of capabilities, more control over the user interface, greater control over performance, integration with other systems, or reporting. The skill set for our advanced components is what we will call the X-Skilled Developer. The pre-requisite knowledge for these components is a working knowledge of XML, XSL, CSS, and to a small degree JavaScript.

CAPS enables users and application developers to work with their SharePoint sites, lists and data in a well-structured, extensible manner. Its services oriented API ensures consistent results based on the input parameters specified, with flexible output options including XML and JSON as well as dynamically-generated HTML.

Together, v11's Basic components, Advanced components, and CAPS make up a rich platform that can scale from relatively simple modifications or ad-hoc interactive reports, to full enterprise class solutions.

Summary Table

Voluntary Product Accessibility Template

Criteria	Supporting Feature	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Supported	See details for more information if necessary
Section 1194.22 Web-based internet information and applications	Supported	See details for more information if necessary
Section 1194.23 Telecommunications Products	Not Applicable	
Section 1194.24 Video and Multi-media Products	Not Applicable	
Section 1194.25 Self-Contained, Closed Products	Not Applicable	
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Supported	
Section 1194.41 Information, Documentation and Support	Supported	

Section 1194.21 Software Applications and Operating Systems - Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	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.	Supported	
(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.	Supported	
(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.	Supported	

Criteria	Supporting Feature	Remarks and Explanations
(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.	Supported	
(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.	Supported	No bitmaps are included within the application
(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.	Supported	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supported	No animation is utilized within the application
(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.	Supported	

Criteria	Supporting Feature	Remarks and Explanations
(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.	Supported	
(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.	Supported	No blinking or flashing objects are used within the application
(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.	Supported	

Section 1194.22 Web-Based Internet Information and Applications – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	Remarks and Explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supported	All images within the application are clearly labelled with text equivalents.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	The application does not contain any multimedia 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.	Supported	Access to textual information in addition to color coded information is freely available within the same page.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supported with Minor Exceptions	Due to SharePoint's Non Compliance with Section 508, via the SharePoint backbone that CorasCloud is utilizing pages are designed to be read without an associated style sheet, but a style sheet is required to properly isolate the ribbon.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	The application does not contain any server side 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	The application does not contain any client side image maps.
(g) Row and column headers shall be identified for data tables.	Supported	All rows and column headers are identified.

Criteria	Supporting Feature	Remarks and Explanations
(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.	Supported	All data and header cells that have two or more logical levels are marked up for assistive technology tools.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supported	All frames are labelled.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	The application does not contain any flicker or any type of flicker type areas with a frequency of 2 HZ and lower than 55 hz.
(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.	Not Applicable	No text only pages exist within the application.
(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.	Supported	
(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	

Criteria	Supporting Feature	Remarks and Explanations
(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.	Supported	
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supported	The application contains throughout a skip links and skip to main content to allow ease of use for assistive technology users.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supported	

Section 1194.23 Telecommunications Products – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	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.	Not Applicable	
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Not Applicable	
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable	
(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.	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
(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	
(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	
(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	
(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) 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.	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
(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.	Not Applicable	
(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.	Not Applicable	
(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.	Not Applicable	
(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	

Criteria	Supporting Feature	Remarks and Explanations
(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	

Section 1194.24 Video and Multimedia Products – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	Remarks and Explanations
<p>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.</p>	Not Applicable	
<p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
(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.	Not Applicable	
(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.	Not Applicable	
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Not Applicable	

Section 1194.25 Self-Contained, Closed Products – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	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.	Not Applicable	
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	
(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).	Not Applicable	
(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	
(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 any time.	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
(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	
(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.	Not Applicable	
(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	
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
<p>(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.</p>	Not Applicable	
<p>(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.</p>	Not Applicable	
<p>(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.</p>	Not Applicable	

Criteria	Supporting Feature	Remarks and Explanations
(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	

Section 1194.26 Desktop and Portable Computers – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	Remarks and Explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Not Applicable	
(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).	Not Applicable	
(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.	Not Applicable	
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards	Not Applicable	

Section 1194.31 Functional Performance Criteria – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	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	The application is accessible to individuals using Jaws, Window Eyes, and NVDA among other screen reading tools.
(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	The application is accessible to individuals using Zoom Text, or Magic among other screen magnification tools.
(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	The application in its current state does not require any user hearing at all in order to be able to utilize, use, or do work within the application.
(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.	Not Applicable	The application in its current state does not require any audio information for the use of the product.

Criteria	Supporting Feature	Remarks and Explanations
(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.	Not Applicable	The application in its current state does not require any user speech to utilize the product, however users of Dragon Naturally Speaking can freely use the application with this and other assistive technology tools.
(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.	Supported	The application supports the use of users of Dragon Naturally Speaking and does not require fine motor control or simultaneous actions.

Section 1194.41 Information, Documentation and Support – Detail

Voluntary Product Accessibility Template

Criteria	Supporting Feature	Remarks and Explanations
<p>(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge</p>	<p>Supported</p>	<p>CORASCloud Technical Support is familiar with features such as keyboard access and other options that are important to people with disabilities. We make it our goal to support all of our customers.</p> <p>CORASCloud offers a teletypewriter (TTY) service for customers who are hearing impaired.</p> <p>For TTY-based assistance in the United States, contact CORASCloud Technical Support on a TTY at 866-995-5477. This service is available Monday through Friday, 9:00 A.M. to 6:00 P.M. EST.</p> <p>We have a chat feature open for individuals who would prefer that to TTY at our CORASWorks Customer Center (http://Help.CORASWorks.net/).</p> <p>Requests for assistance can be emailed and responses will be made within 24 business hours at: Support@CORASCloud.com</p> <p>This information can also be found online at http://Help.CORASWORKS.net/Accessibility.aspx</p>

Criteria	Supporting Feature	Remarks and Explanations
<p>(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.</p>	<p>Supported</p>	<p>CORASCloud Technical Support is familiar with features such as keyboard access and other options that are important to people with disabilities. We make it our goal to support all of our customers.</p> <p>CORASCloud offers a teletypewriter (TTY) service for customers who are hearing impaired.</p> <p>For TTY-based assistance in the United States, contact CORASCloud Technical Support on a TTY at 866-995-5477. This service is available Monday through Friday, 9:00 A.M. to 6:00 P.M. EST.</p> <p>We have a chat feature open for individuals who would prefer that to TTY at our CORASWorks Customer Center (http://Help.CORASWorks.net/).</p> <p>Requests for assistance can be emailed and responses will be made within 24 business hours at: Support@CORASCloud.com</p> <p>This information can also be found online at http://Help.CORASWORKS.net/Accessibility.aspx</p>

Criteria	Supporting Feature	Remarks and Explanations
<p>(c) Support services for products shall accommodate the communication needs of end-users with disabilities.</p>	<p>Supported</p>	<p>CORASCloud Technical Support is familiar with features such as keyboard access and other options that are important to people with disabilities. We make it our goal to support all of our customers.</p> <p>CORASCloud offers a teletypewriter (TTY) service for customers who are hearing impaired.</p> <p>For TTY-based assistance in the United States, contact CORASCloud Technical Support on a TTY at 866-995-5477. This service is available Monday through Friday, 9:00 A.M. to 6:00 P.M. EST.</p> <p>We have a chat feature open for individuals who would prefer that to TTY at our CORASWorks Customer Center (http://Help.CORASWorks.net/).</p> <p>Requests for assistance can be emailed and responses will be made within 24 business hours at: Support@CORASCloud.com</p> <p>This information can also be found online at http://Help.CORASWORKS.net/Accessibility.aspx</p>

Cross-Reference For Mapping Section 508 to WCAG 2.0

Overview

This information shows how the application maps to W3G Web Content Accessibility Guidelines (WCAG) 2.0 guidelines via the Section 508 1194.22 standards. The following sections represent the 1194.22 standards, in order. The tables include Supporting Features mapping the 1194.22 criteria with a method of WCAG 2.0 support. Each Supporting Function includes a hyperlink to the appropriate WCAG 2.0 guideline.

Text Alternatives

1194.22 (a) A text equivalent for every non-text element shall be provided (for example via alt or longdesc attributes, or in element content). Below are the WCAG 2.0 standards matching, tying into, and/or duplicating the same areas of the Section 508 standards.

Criteria	Supporting Feature	Remarks and Explanations
A short description can serve the same purpose and present the same information as the non-text element.	Use a short text alternative (1.1.1) .	
A short description cannot serve the same purpose or convey the same meaning as the non-text item.	Provide both a short text alternative and a description of the non-text that is long enough to convey all the meaning. The long description must be next to the non-text item or connect through a link (1.1.1) .	
The non-text item is a control or accepts user input.	Provide a text alternative identifying the purpose of the non-text control (1.1.1) . See paragraph 1194.22 (n) for form elements.	Note: "Control" includes image maps and anchors, even if the anchors do not include images.
The non-text item is multi-media or time-based media.	See paragraph 1194.22(b).	
The non-text is CAPTCHA.	Provide a text alternative describing the purpose of the CAPTCHA and alternative forms of CAPTCHA using output modes for different types of sensory perception (1.1.1) .	

Criteria	Supporting Feature	Remarks and Explanations
The non-text item should be ignored by assistive technology.	Implement or mark the non-text content so that it will be ignored by assistive technology (1.1.1).	

Multimedia

1194.22 (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.

Criteria	Supporting Feature	Remarks and Explanations
The content is prerecorded audio-only.	Provide a full text transcript for the audio (1.2.1).	
The content is prerecorded video-only.	Provide a full text transcript of the video content (1.2.1).	
The content is synchronized (audio and video) media.	Provide open or closed captions (1.2.2).	
The content contains video interaction not otherwise described.	Provide a fully synchronized text alternative or soundtrack including the interaction (1.2.3).	

Color

1194.22 (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.

Criteria	Supporting Feature	Remarks and Explanations
Color of particular words, backgrounds, or other content is used to indicate information.	Ensure information conveyed by color differences is also available in text (1.4.1).	
Color is used within an image to convey information.	Use color and patterns, or also convey the information by text (1.4.1).	
General text content or text contained in images.	Ensure a contrast ratio of at least 5:1 exists between text and background (1.4.3).	

Style Sheets

1194.22 (d) Documents shall be organized so they are readable without requiring an associated style sheet.

Criteria	Supporting Feature	Remarks and Explanations
Technology provides semantic structure to make information and relationships conveyed through presentation programmatically determinable (e.g., HTML).	Use semantic elements to markup that structure (1.3.1) .	Includes: <ul style="list-style-type: none"> • Headings; • Lists; • Tables (see also paragraphs 1194.22 [g] and [h]) • Forms (see also paragraph 1194.22 [n]); • Emphasized or special text.
Technology in use does NOT provide semantic structure to make the information and relationships conveyed through presentation programmatically determinable (e.g., plain text).	Use standard text conventions for paragraphs, lists, and headings (1.3.1) .	
The sequence in which content is presented affects its meaning.	Order the content in a meaningful manner without styles and without table layout (1.3.2) .	
Content is made visible or functionality is provided by style sheets through mouse action.	Provide keyboard-triggered event handlers (2.1.1) .	
Ensure that text can be resized up to 200 percent without loss of content or functionality and that text containers resize when the text resizes (1.4.4) .		

Image Maps

Server-Side Image Maps

1194.22 (e) Redundant text links shall be provided for each active region of a server-side image map.

Note: Because it is easier for client-side image maps to be made fully accessible to people with disabilities, client-side image maps are recommended instead of server-side image maps, except in cases where the map regions cannot be defined with an available geometric shape.

Criteria	Supporting Feature	Remarks and Explanations
Server-side image map is being displayed.	Ensure keyboard control by using text-based menu through HTML links (2.1.1).	Server-side image maps are outmoded and not navigational via keyboard; Client-side image maps should be used instead.

Client-Side Image Maps

1194.22 (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.

Criteria	Supporting Feature	Remarks and Explanations
Client-side image map is being displayed.	Utilize accessibility requirements for client-side image maps as defined in paragraph 1194.22 (a).	Requires all regions be defined with a single or a finite set of polygons.

Table Types

Simple Data Table

1194.22 (g) Row and column headers shall be identified for data tables.

Criteria	Supporting Feature	Remarks and Explanations
Data table has a one level of column and/or row headers.	Use the scope attribute to associate header cells and data cells (1.3.1).	

Complex Data Table

1194.22 (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.

Criteria	Supporting Feature	Remarks and Explanations
Data table has a two or more levels of rows and/or column headers.	Use the id and headers attributes to associate data cells with header cells (1.3.1).	

Frames

1194.22 (i) Frames shall be titled with text that facilitates frame identification and navigation.

Criteria	Supporting Feature	Remarks and Explanations
Frame is being used.	Use the title attribute of frame and iframe elements (2.4.1) .	

Flicker

1194.22 (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.

Criteria	Supporting Feature	Remarks and Explanations
Element that flashes or “blinks”.	The flash rate is below the general flash and red flash thresholds (2.3.1) .	No component should flash more than three (3) times in any one (1) second timeframe.

Text-Only Page

1194.22 (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.

Criteria	Supporting Feature	Remarks and Explanations
Page containing only text.	Utilize standard text conventions for paragraphs, lists, and headings (1.3.1) .	When HTML pages are correctly coded, text-only pages should not be required.

Note: This section describes a page of text, not an HTML page with text.

Scripting

1194.22 (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.

Criteria	Supporting Feature	Remarks and Explanations
Employing standard user interface component in a markup language.	Use standard HTML form controls and links; Utilize functions of the Document Object Model (DOM) to add content to the page (4.1.2) .	
Utilizing script or code to repurpose a standard user interface component in a markup language.	Utilize functions of the Document Object Model (DOM) to add content to the page (4.1.2) .	

Criteria	Supporting Feature	Remarks and Explanations
Using standard user interface component in a programming technology.	Use accessibility API features of that technology (4.1.2) .	
Creating custom user interface component in a programming language.	Use the accessibility API features of the platform(s) on which the component will run (4.1.2) .	
Content is made visible or functionality is provided by scripts through mouse action.	Provide additional keyboard-triggered event handlers (2.1.1) .	

Applets And Plug-Ins

1194.22 (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 paragraphs 1194.21(a) through (l).

Criteria	Supporting Feature	Remarks and Explanations
Page uses an applet, plug-in, and/or another application present on the client system.	Varies; dependent upon the capabilities of the applet or plug-in.	

Forms

1194.22 (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.

Criteria	Supporting Feature	Remarks and Explanations
Identifying controls within a form.	Include label elements to associate text with controls; Use optgroup to group option elements inside a select; Group form controls with fieldset and legend as appropriate to the content (1.3.1) .	
Keyboard control within a form.	Ensure keyboard control of all elements; Provide keyboard-triggered event handlers; ensure that users are not trapped in content (2.1.1, 2.1.2) .	

Criteria	Supporting Feature	Remarks and Explanations
Context within a form.	Make certain when any component receives focus, it does not initiate a change in context and changing the setting of any user interface component does not automatically cause a change of context (<u>3.2.1</u> , <u>3.2.2</u>).	
Input assistance within a form.	Include instructions or labels when content requires user input; If an input error is detected, identify the item that is in error and describe the error to the user in text (<u>3.3.1</u> , <u>3.3.2</u>).	

Skip Navigation

1194.22 (o) A method shall be provided that permits users to skip repetitive navigation links.

Criteria	Supporting Feature	Remarks and Explanations
Capability to navigate the user past repetitive navigational items.	Group blocks of repeated material in ways that can be skipped, using heading elements or other structural elements to group links (<u>2.4.1</u>).	Alternative options is to create links to skip blocks of repeated material (<u>2.4.1</u>). This is considered a less effective method.

Timed Responses

1194.22 (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.

Criteria	Supporting Feature	Remarks and Explanations
There are time limits for the session.	Provide a checkbox or other mechanism allowing users to remove or extend the session time limit (2.2.1).	
A time limit is controlled by a script on the page.	Provide a way for the user to disable the time limit or to extend it to ten times longer than the default (2.2.1).	
There is a real-time event or an essential time limit.	When the time limit is a required part of a real-time event or a time limit that cannot be extended without invalidating the activity, no alternative to the time limit is possible (2.2.1).	
For informative moving, blinking, scrolling, or auto-updating items.	Allow the user to pause and restart the movement, blinking, scrolling, or update (2.2.2).	
For decorative moving, blinking, or scrolling items.	Allow the user to stop or hide the decorative feature (2.2.2).	

Additional Recommended Steps

The following criteria do not have specific counterparts in Section 508. Following them ensures that a web page's conforms to WCAG 2.0 Level A.

Criteria	Supporting Feature	Remarks and Explanations
Title for web page.	Provide descriptive titles for web pages using the title element (2.4.2)	
Identifying page language.	Identify default human language(s) using language attributes on the html element (3.1.1)	

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Criteria	Supporting Feature	Remarks and Explanations
Validate script, data, and/or style files.	Validate HTML, XML (including WAI-ARIA) and CSS against the appropriate on-line or off-line validator (<u>4.1.1</u>)	