

Adobe Illustrator 10 and Section 508

Adobe offers the following background information to help our customers understand the accessibility features of Adobe Illustrator 10 software in the context of the Section 508 standards. This document is not intended to be a certification of compliance.

The document contains subsets of the Electronic and Information Technology Accessibility Standards as published in 36 CFR Part 1194 and provides an analysis of Illustrator 10 as compared to these standards.

Adobe Illustrator 10 — the industry standard for vector graphics software is fully committed to providing our customers drawing tools that allow for the creation of accessible content.

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Section 1194.21 Software Applications and Operating Systems - Detail
Voluntary Product Accessibility Template

Criteria	Supporting Features	Adobe Illustrator 10 Windows	Adobe Illustrator 10 Macintosh
<p>Keyboard Access (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.</p>	<p>Customizable keyboard navigation is provided for all menu commands, as well as for selecting tools in Adobe Illustrator 10.</p>	<p>X</p> <p>Some functions, like drawing and creating objects are not accessible via keyboard commands.</p>	<p>X</p> <p>Some functions, like drawing and creating objects are not accessible via keyboard commands.</p>
<p>Accessibility Features (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.</p>	<p>Testing of Adobe Illustrator 10 has not indicated that the product will disrupt or disable accessibility features of other products or operating systems.</p>	<p>X</p>	<p>X</p>
<p>On-screen focus and tracking (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</p>	<p>Adobe Illustrator 10 provides on-screen indication of current focus that moves among interactive interface elements as the input focus changes.</p>	<p>X</p> <p>Focus is not programmatically exposed in Adobe Illustrator 10</p>	<p>X</p> <p>Focus is not programmatically exposed in Adobe Illustrator 10</p>

shall be programmatically exposed so that Assistive Technology can track focus and focus changes.			
<p>Information about user interface elements</p> <p>(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.</p>	Adobe Illustrator 10 provides "tool tips" which identify in text, the identity and operation of UI elements, however these tool tips are not available to Assistive Technology.	-	-
<p>Consistent meaning of images</p> <p>(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.</p>	The Adobe Illustrator 10 user interface consistently uses bitmap images to identify controls, status indicators or other programmatic elements.	X	X
<p>Availability of textual information</p> <p>(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.</p>	Adobe Illustrator 10 can export text in PDF, HTML, SVG or TXT format.	X	X
<p>Contrast and color settings</p> <p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Adobe Illustrator 10 does not override user selected contrast and color settings when they are available in the operating system.</p> <p>Adobe Illustrator 10 also has the ability to adjust the color settings of individual files using color management features.</p>	X	X

<p>Animation (h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>While Adobe Illustrator 10 can generate animated content, such content is never previewed within the program in animated form. All animated content is presented in individual frame-by-frame mode.</p>	<p>X</p>	<p>X</p>
<p>Color Coding (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.</p>	<p>The Adobe Illustrator 10 user interface does not use color as the only means of conveying information, indicating and action, prompting a response, or distinguishing a visual element.</p>	<p>X</p>	<p>X</p>
<p>Variety of color selections (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.</p>	<p>Adobe Illustrator 10 allows users to customize the contrast and color settings of the text and background of their document to a wide range of colors supported by their system.</p>	<p>X</p>	<p>X</p>
<p>Flash or blink frequency (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.</p>	<p>Adobe Illustrator 10 software does not use flashing or blinking text, objects or other elements in the software's user interface.</p>	<p>X</p>	<p>X</p>
<p>Interaction with electronic forms (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.</p>	<p>Adobe Illustrator 10 does not have electronic forms capabilities.</p>	<p>N/A</p>	<p>N/A</p>

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Section 1194.22 Web-based Internet information and applications -
Detail
Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Adobe Illustrator 10 Windows	Adobe Illustrator 10 Macintosh
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<p>ALT tags (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).</p>	<p>Adobe Illustrator 10 allows users the ability to assign "alt" tags to their images</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Multimedia alternatives (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.</p>	<p>Adobe Illustrator 10 does not provide support for multimedia presentations</p>	<p>N/A</p>	<p>N/A</p>
<p>Color information on web pages (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.</p>	<p>Adobe Illustrator 10 provides an authoring environment that allows for arbitrary uses of color and background for layout and design.</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Reliance on style sheets (d) Documents shall be organized so they are readable without requiring an associated style sheet.</p>	<p>Adobe Illustrator 10 documents do not require an associated style sheet for viewing.</p>	<p>X</p>	<p>X</p>
<p>Server-side image maps (e) Redundant text links shall be provided for each active region of a server-side image map.</p>	<p>Adobe Illustrator 10 does not provide redundant text links in server-side image maps.</p>	<p>-</p>	<p>-</p>
<p>Client-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.</p>	<p>Adobe Illustrator 10 offers the creation of both server-side as well as client-side image maps.</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Data table headers (g) Row and column headers shall be identified for data tables.</p>	<p>When generating HTML slice tables, Adobe Illustrator 10 allows the user to choose whether row and column headers are identified.</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Data table markup (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.</p>	<p>See the response in "Date table headers"</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Frame titles (i) Frames shall be titled</p>	<p>Not applicable to Adobe Illustrator 10.</p>	<p>N/A</p>	<p>N/A</p>

with text that facilitates frame identification and navigation			
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<p>Screen Flicker (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.</p>	<p>Adobe Illustrator 10 files are typically static files that do not cause the screen to flicker.</p> <p>Adobe Illustrator 10 software does provide support for JavaScript, which could be used by the creator of an Illustrator file to cause elements on a page to flicker. Creators of Illustrator files using JavaScript in this way should ensure that flickering elements are within the tolerances defined in the standard.</p>	<p>Author's discretion</p>	<p>Author's discretion</p>
<p>Equivalent information (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.</p>	<p>Adobe Illustrator 10 does not provide equivalent information or functionality for web pages.</p>	<p>-</p>	<p>-</p>
<p>Scripting languages (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.</p>	<p>Adobe Illustrator 10 supports scripting languages, including AppleScript, Visual Basic and JavaScript. On the Macintosh platform, information provided by such scripts can be read by Apple's Text-to-Speech technology.</p>	<p>-</p>	<p>X</p>
<p>Link to required applications (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</p>	<p>Adobe Illustrator 10 can author content which requires plugins. Web masters are encouraged to provide links to view that content if necessary.</p>	<p>N/A</p>	<p>N/A</p>

(l).			
Interaction with electronic forms (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.	Adobe Illustrator 10 software does not interact with electronic forms.	N/A	N/A
Repetitive Links (o) A method shall be provided that permits users to skip repetitive navigation links.	Adobe Illustrator 10 software allows for the creation of links. Creators of Illustrator content should make sure any navigation links are used in a manner that is consistent with the standard.	Author's discretion	Author's discretion
Timed response (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Adobe Illustrator 10 does not use timed responses.	N/A	N/A

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 1194.31 Functional Performance Criteria - Detail
 Voluntary Product Accessibility Template

Criteria	Supporting Features	Adobe Illustrator 10 Windows	Adobe Illustrator 10 Macintosh
(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.	<p>Adobe Illustrator 10 can, via AppleScript, provide Text-to-Speech capabilities for text elements on Macintosh.</p> <p>Adobe Illustrator 10 software supports high-contrast viewing and the ability to zoom in on the screen for users with low vision.</p>	-	<p>X</p> <p>Graphic elements are not supported by Assistive Technology</p>
(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.	<p>Adobe Illustrator 10 software supports high-contrast viewing and the ability to zoom in on the screen for users with low vision.</p>	X	X
(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	<p>Adobe Illustrator 10 software does not require user hearing in order to operate the software.</p>	N/A	N/A
(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.	<p>Adobe Illustrator 10 software does not require user hearing in order to operate the software.</p>	N/A	N/A
(e) At least one mode of	Adobe Illustrator 10	N/A	N/A

<p>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.</p>	<p>software does not require user speech to operate the software.</p>		
<p>(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.</p>	<p>Customizable keyboard navigation is provided for all menu commands, as well as for selecting tools in Adobe Illustrator 10.</p>	<p>X Some functions, like drawing and creating objects are not accessible via keyboard commands.</p>	<p>X Some functions, like drawing and creating objects are not accessible via keyboard commands.</p>

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