



Adobe® Photoshop® Lightroom® 4 Voluntary Product Accessibility Template

The purpose of the Voluntary Product Accessibility Template is to assist Federal contracting officials in making preliminary assessments regarding the availability of commercial Electronic and Information Technology products and services with features that support accessibility. It is assumed that offerers will provide additional contact information to facilitate more detailed inquiries.

The first table of the Template provides a summary view of the section 508 Standards. The subsequent tables provide more detailed views of each subsection. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the Standards. The second column describes the supporting features of the product or refers you to the corresponding detailed table, "e.g., equivalent facilitation." The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

Date: 04/04/2012

Name of Product: Adobe® Photoshop® Lightroom® 4

Contact for more Information: access@adobe.com

Guideline	Applicable	Compliance
§1194.21 - Software Applications and Operating Systems	Applicable	Supports with exceptions
§1194.22 - Web-based Intranet and Internet Information and Systems	Applicable (output only)	Supports with exceptions
§1194.23 - Telecommunications Products	Not Applicable	-
§1194.24 - Video and Multimedia Products	Not Applicable	-
§1194.25 - Self-Contained, Closed Products	Not Applicable	-
§1194.26 - Desktop and Portable Computers	Not Applicable	-
§1194.31 - Functional Performance Criteria	Applicable	Supports with exceptions
§1194.41 - Information, Documentation, Support	Applicable	Supports

Section 1194.21 Software Applications and Operating Systems - Detail

Criteria	Supporting Features	Remarks and explanations
<p>(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>Does not support</p>	<p>Photoshop Lightroom 4 provides a set of shortcut keys for many commands and functions in the user interface. However, some important functions are not operable using a keyboard alone, including:</p> <p>Panels are not reachable using the keyboard alone, so panel related functions, such as browsing Collections or editing photos using controls in the Basic or Tone Curve panels, are not operable using the keyboard.</p> <p>Editing of photos using touch-up tools such as the Red Eye Correction tool require a mouse.</p> <p>Some dialog boxes, such as the Preferences and Catalog Settings dialogs provide limited keyboard access to only a few controls, such as buttons. Focus must be placed on to controls with a mouse first before they can be reached using a keyboard.</p> <p>Tips are not keyboard accessible and cannot be removed using the keyboard when displayed.</p> <p>The TAB key is captured for the show/hide panels feature.</p>
<p>(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>Supports</p>	<p>Photoshop Lightroom 3 does not interfere with or deactivate accessibility features of any operating system.</p>

Criteria	Supporting Features	Remarks and explanations
<p>(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.</p>	<p>Supports with exceptions</p>	<p>Items in the Photoshop Lightroom 4 interface provide a clear indication when focus is on them. However many controls in the interface do not support keyboard focus.</p> <p>Current focus is programmatically exposed to assistive technology with some exceptions, such as the Filmstrip or images in the Library view.</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>	<p>Supports with exceptions</p>	<p>Most inputs and controls in the Photoshop Lightroom 4 interface provide sufficient information to assistive technology with some exceptions, including:</p> <p>Many controls in panels, such as the Exposure and Clarity buttons in the Quick Develop panel, or the list of collections in the Collections panel do not provide sufficient information.</p> <p>Some controls in dialog boxes, such as the color picker and rotate buttons in the Watermark Editor, do not provide sufficient information.</p> <p>Photos in the Library view and Filmstrip and photo display controls such as the Grid View button do not provide, identity, role or state information. However, photo display options are available from the application menus.</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>	<p>Supports</p>	

Criteria	Supporting Features	Remarks and explanations
(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 with exceptions	Textual information is available to assistive technology in the Photoshop Lightroom 4 interface with some exceptions including: Text information is not available for some lists, such as items in the Collections panel or states in the History panel.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports with exceptions	Photoshop Lightroom 4 supports Windows High Contrast mode only in menus and most dialog boxes. The rest of the interface does not inherit user selected contrast and color settings.
(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	Photoshop Lightroom 4 does not use animation in the user interface.
(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 with exceptions	The Photoshop Lightroom 4 user interface does not use color as the only means of conveying information except for tools that deal with color, such as histograms.
(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 with exceptions	Photoshop Lightroom 4 allows users to change the colors and font sizes in some interface elements, but while there is variety in the color settings, there may not be sufficient options for some users.
(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	Photoshop Lightroom 4 does not use flashing or blinking text, objects, or other elements in the software's user interface.

Criteria	Supporting Features	Remarks and explanations
<p>(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>Supports with exceptions</p>	<p>For most form controls in the Photoshop Lightroom 4 interface, identity, role and state information is provided to assistive technology with some exceptions including:</p> <p>Many controls in panels, such as the Exposure and Clarity buttons in the Quick Develop panel do not provide sufficient information.</p> <p>Some controls in dialog boxes, such as the Publish Services list in the Lightroom Publishing Manger dialog, do not provide sufficient information.</p> <p>Some dialog boxes are not keyboard accessible, such as the Preferences dialog box.</p> <p>Form controls in panels are not keyboard accessible as it is not possible to place focus on the controls using the keyboard alone.</p>

Section 1194.22 Web-based Internet information and applications - Detail

Criteria	Supporting Features	Remarks and explanations
<p>(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).</p>	<p>Supports with exceptions (HTML output)</p> <p>Supports with exceptions (Flash output)</p>	<p>Image captions or titles can be included as alternate text descriptions in full sized images, but not in the thumbnail view. (HTML output)</p> <p>It is not possible to add text labels to non-text elements in exported Flash content. However, text alternatives can be provided adjacent to images in the full size view. (Flash output)</p>

Criteria	Supporting Features	Remarks and explanations
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	Photoshop Lightroom 4 does not create 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.	Supports	
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports (HTML output) Not applicable (Flash output)	HTML galleries generated with Photoshop Lightroom 4 are readable without requiring an associated style sheet. Flash movies generated with Photoshop Lightroom 4 do not include style sheets.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	Photoshop Lightroom 4 does not create 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	Photoshop Lightroom 4 does not create client side image maps.
(g) Row and column headers shall be identified for data tables.	Not applicable	Content generated with Photoshop Lightroom 4 does not contain data tables.
(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.	Not applicable	Content generated with Photoshop Lightroom 4 does not contain data tables.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not applicable	Content generated with Photoshop Lightroom 4 does not contain 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.	Supports	By default Photoshop Lightroom 4 does not create content that causes the screen to flicker at a frequency greater than 2Hz or lower than 55Hz.

Criteria	Supporting Features	Remarks and explanations
(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 with exceptions	Creating a text-only page should not be necessary for Photoshop Lightroom HTML galleries but can be satisfied by authors outside of Lightroom if unable to create a compliant photo gallery.
(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.	Not applicable	Content generated with Photoshop Lightroom 4 does not use scripting to create interface elements.
(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 (HTML output) Supports (Flash output)	HTML content generated with Photoshop Lightroom 4 does not require a plug-in. (HTML output) For Flash movies generated in Photoshop Lightroom 4 there is a plug-in detection script included. If the Flash plug-in is not detected in the user's browser a link to download the plug-in is available. (Flash output)
(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.	Not applicable	Content generated with Photoshop Lightroom 4 does not contain electronic forms.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Not applicable	Content generated with Photoshop Lightroom 4 contains a very small number of navigation links.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	Content generated with Photoshop Lightroom 4 does not require a timed response.

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 1194.31 Functional Performance Criteria - Detail

Criteria	Supporting Features	Remarks and explanations
<p>(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>	<p>Does not support</p>	<p>Identity, role and state information is available for most controls in the Photoshop Lightroom 4 interface with the exception of many controls in panels and some controls in dialog boxes.</p> <p>Keyboard access to panels is limited and some dialog boxes are not operable using a keyboard alone.</p>
<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>	<p>Supports</p>	<p>Photoshop Lightroom 4 supports assistive technology, such as screen magnifiers, used by people who are visually impaired.</p> <p>However, in some cases there is not a clear visual indication of focus and focus is not programmatically exposed to assistive technology.</p> <p>Photoshop Lightroom 4 has limited support for Windows High Contrast mode.</p>
<p>(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>	<p>Supports</p>	
<p>(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>	<p>Supports</p>	
<p>(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.</p>	<p>Supports</p>	

Criteria	Supporting Features	Remarks and explanations
(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.	Supports with exceptions	<p>Photoshop Lightroom 4 supports accessibility features of the operating system such as Sticky Keys, which may be used during some editing operations that may require the use of keyboard modifiers and mouse selections.</p> <p>However some operations, such as expanding and collapsing sections in the Collections panel or image editing operations using tools such as the Adjustment Brush, may require fine motor control and do not have keyboard equivalents.</p>

Section 1194.41 Information, Documentation, and Support - Detail

Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supports	Adobe provides electronic versions of all product support documentation.
(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.	Supports	Adobe provides information on accessibility features in the documentation. Electronic versions of all product support documentation are provided.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Product support for Adobe products is available in a variety of formats and from a number of online sources available from Adobe Systems.