

Adobe LiveCycle Document Security 7.0 Section 508 Voluntary Product Accessibility Template

Note: The end-user interfaces for Adobe LiveCycle Document Security 7.0 are Adobe Reader 7.0 and Adobe Acrobat 7.0 (Elements, Standard, and Professional).

The purpose of the Voluntary Product Accessibility Template, or VPAT, 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 and recommended 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: March 16, 2005
Name of Product: Adobe LiveCycle Document Security 7.0

Summary Table Voluntary Product Accessibility Template		
Criteria	Supporting Features	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems		Completed
Section 1194.22 Web-based Internet Information and Applications		Completed
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		Completed
Section 1194.41 Information, Documentation, and Support		Completed

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

Criteria	Supporting Features	Remarks and Explanations			
		Adobe Reader 7.0	Adobe Acrobat 7.0 Elements	Adobe Acrobat 7.0 Standard	Adobe Acrobat 7.0 Professional
(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>Keyboard navigation is provided for all menu commands in Adobe Reader 7.0.</p> <p>All keyboard navigation available in Adobe Reader 7.0 is also available in the Adobe Acrobat 7.0 products.</p> <p>Contiguous selection of text, keyboard shortcuts, arrow navigation, and other features enable users to navigate through menus, toolbars, navigation panels, dialog boxes, the document window, and other parts of the Adobe Reader 7.0 and Acrobat 7.0 interface without using a mouse.</p> <p>Some functions in the Acrobat versions, such as freehand drawing tools for electronic markup of Adobe Portable Document Format (PDF) files and creation of hyperlinks, are not keyboard accessible.</p>	Supports	Supports	Supports with some exceptions	Supports with some exceptions

<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>Testing of Adobe Reader 7.0 and Acrobat 7.0 indicates that the product will not disrupt or disable accessibility features of other products or operating systems.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(c) A well-defined onscreen 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>Adobe Reader 7.0 and Acrobat 7.0 provide onscreen indication of current focus that moves among interactive interface elements as the input focus changes.</p> <p>One exception is when assistive technology is running, it is possible to tab to read-only form fields and there is no visual indication of focus for read-only combo boxes or list boxes.</p> <p>In Adobe Reader 7.0 and Acrobat 7.0 for Windows, focus is programmatically exposed through the Microsoft Active Accessibility (MSAA) application programming interface (API) and through publicly documented product-specific interfaces.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</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>Adobe Reader 7.0 and Acrobat 7.0 for Windows provide information about user interface elements through the MSAA API and through product-specific APIs, which are publicly documented.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</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>Adobe Reader 7.0 and Acrobat 7.0 user interface consistently uses bitmap images to identify controls, status indicators, and other programmatic elements.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</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>	<p>Adobe Reader 7.0 and Acrobat 7.0 for Windows provide text content and text input caret location through the MSAA API. The products also provide text content, text input carat location, and text attribute information through product-specific APIs, which are publicly documented.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>

<p>(g) Applications shall not override user-selected contrast and color selections and other individual display attributes.</p>	<p>Adobe Reader 7.0 and Acrobat 7.0 do not override user-selected contrast and color settings when they are available in the operating system.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 for Windows also have the ability to automatically adopt the color and contrast settings of the Windows operating system in the Acrobat user interface and in the display of an Adobe PDF file.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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>Generally, Adobe PDF files are not used for the creation and distribution of animated content.</p> <p>However, Adobe Reader 7.0 and Acrobat 7.0 provide support for JavaScript, which could be used by the creator of an Adobe PDF file to animate elements on a page. Creators of Adobe PDF files should make sure any animation is done in a manner that is consistent with the standard.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 have the ability to display multimedia files, such as QuickTime movies, Windows Media files, or Flash files. Both products also allow users to set preferences for multimedia content embedded in PDF files. These settings allow users to show subtitles (when available), play dubbed audio (when available), show supplemental text captions (when available), and show audio description, video description, or descriptive video (when available).</p> <p>Adobe advises customers to review the accessibility options of these multimedia software products to determine if such content in an Adobe PDF file will meet their accessibility objectives.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>

<p>(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 Reader 7.0 and Acrobat 7.0 user interface does not use color as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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 Reader 7.0 and Acrobat 7.0 allow users to customize the contrast and color settings of the text and background of an Adobe PDF file to a wide range of colors supported by their system.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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 Reader 7.0 and Acrobat 7.0 software do not use flashing or blinking text, objects or other elements in the software's user interface.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<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>Adobe Reader 7.0 and Acrobat 7.0 for Windows support MSAA-compliant screen readers and other assistive technologies to access the information, field elements, and functionality required for completion and submission of Adobe PDF forms when those forms have been authored in a manner that optimizes them for accessibility.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 for Windows have built-in features that enable people with motor impairments, low vision and other disabilities, excluding blindness, to interact with, complete, and submit forms through the use of keyboard navigation.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>

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**Section 1194.22 Web-Based Internet Information and Applications - Detail
Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and Explanations			
		Adobe Reader 7.0	Adobe Acrobat 7.0 Elements	Adobe Acrobat 7.0 Standard	Adobe Acrobat 7.0 Professional
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	<p>The Adobe PDF 1.4 specification provides the ability to encode text equivalents for non-textual information, such as graphics and images, and to provide expanded textual descriptions for elements such as form fields or abbreviations.</p> <p>These text equivalents can be exposed to assistive technologies through the support of MSAA interface or product-specific interfaces in Adobe Reader 7.0 and Acrobat 7.0 for Windows.</p>	Supports when provided by author	Supports when provided by author	Supports when provided by author	Supports when provided by author
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Adobe PDF files do not provide inherent support for multimedia, although an Adobe PDF file may contain multimedia elements from other sources, such as QuickTime movies and 3D objects. Creators of Adobe PDF files should review the accessibility capabilities of QuickTime and other multimedia formats before including them in an Adobe PDF file.	Supports when provided by author	Supports when provided by author	Supports when provided by author	Supports when provided by author
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Adobe PDF files support the ability to display any type of page layout and design, including arbitrary uses of color with fonts and backgrounds. The creators of Adobe PDF files should review the page layout and design to make sure it uses color in a manner consistent with the standard—for instance, via tagging.	Supports when provided by author	Supports when provided by author	Supports when provided by author	Supports when provided by author
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not applicable to Adobe PDF files. Style sheets are a concept applied to Web pages created in markup languages such as HTML.	Not applicable	Not applicable	Not applicable	Not applicable

<p>(e) Redundant text links shall be provided for each active region of a server-side image map.</p>	<p>Not applicable to Adobe PDF files. Image maps are used by Web pages created in HTML.</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>
<p>(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>Not applicable to Adobe PDF files. Image maps are used by Web pages created in HTML.</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>
<p>(g) Row and column headers shall be identified for data tables.</p>	<p>The Adobe PDF 1.5 specification enables customers to provide markup for tables in an Adobe PDF file, including table rows, header cells, and data cells. Row span and column span attributes and heading attributes can be used to define more complex relationships within tables.</p> <p>If the author defines table rows, header cells, and data cells in the application, Adobe Reader and Acrobat will automatically make that information available to assistive technology.</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>
<p>(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>Refer to response to Section 1194.22 (g) above.</p> <p>This markup is made available through product-specific, publicly documented interfaces.</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>
<p>(i) Frames shall be titled with text that facilitates frame identification and navigation.</p>	<p>Not applicable to Adobe PDF files. Image maps are used by Web pages created in HTML.</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>

<p>(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 PDF files are typically static files that do not cause the screen to flicker. Acrobat 7.0 software does provide support for JavaScript, which could be used by the creator of an Adobe PDF file to cause elements on a page to flicker. Creators of Adobe PDF files using JavaScript in this way should ensure that flickering elements are within the tolerances defined in the standard.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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>Acrobat 7.0 Standard and Professional and Acrobat Elements 7.0 provide an extensive toolset to help authors create tagged Adobe PDF files that provide accessible content for users with disabilities so that only one version of the document needs to be used.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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>Acrobat 7.0 Standard and Professional include the ability to create and embed JavaScript in a PDF file, which could be used to display content or create interface elements in Acrobat 7.0 and Adobe Reader 7.0.</p> <p>Adobe cautions creators of PDF files against using JavaScript in a way that displays new content or creates new interface elements.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>

<p>(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).</p>	<p>Adobe Reader 7.0 is a free downloadable application available from Adobe.com that allows users to view, read, and print Adobe PDF files across a broad range of hardware and operating systems. Webmasters are encouraged to link the main Adobe Reader page at http://www.adobe.com/products/acrobat/readstep.html.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(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.</p>	<p>Adobe PDF forms optimized for accessibility can enable people using assistive technologies to access the information, field elements, and functionality required for completion and submission of Adobe PDF forms.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>
<p>(o) A method shall be provided that permits users to skip repetitive navigation links.</p>	<p>Adobe PDF files may contain navigation links. Creators of Adobe PDF files should make sure any navigation links are used in a manner that is consistent with the standard.</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>
<p>(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</p>	<p>Adobe Reader 7.0 and Acrobat 7.0 include support for JavaScript, which could be used to create Adobe PDF files with timed responses. Creators of Adobe PDF files should make sure any timed responses are implemented in a manner that is consistent with this provision of the Section 508 Standard.</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>

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	Remarks and Explanations			
		Adobe Reader 7.0	Adobe Acrobat 7.0 Elements	Adobe Acrobat 7.0 Standard	Adobe Acrobat 7.0 Professional
(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>Provides direct support for assistive technologies via the MSAA API for Windows and via product-specific, publicly documented interfaces. MSAA lets Adobe Reader 7.0 and Acrobat 7.0 integrate with assistive technology products.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 provide direct support for users with low vision through equivalent facilitation, with such features as Read Out Loud, high-contrast viewing, and the ability to zoom in and reflow text on the screen.</p>	Supports	Supports	Supports	Supports
(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>Provides direct support for assistive technologies via the MSAA API for Windows and via product-specific, publicly documented interfaces. MSAA lets Adobe Reader 7.0 and Acrobat 7.0 integrate with assistive technology products.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 provide direct support for users with low vision through equivalent facilitation, with such features as Read Out Loud, high-contrast viewing, and the ability to zoom in and reflow text on the screen.</p>	Supports	Supports	Supports	Supports

<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>Adobe Reader 7.0 and Acrobat 7.0 do not require user hearing in order to operate the software.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</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>Adobe Reader 7.0 and Acrobat 7.0 do not require user hearing in order to operate the software.</p> <p>Adobe Reader 7.0 and Acrobat 7.0 support the ability to play audio files, such as .wav or QuickTime files, which may be embedded in Adobe PDF files.</p> <p>Creators of Adobe PDF files should make sure any timed responses are implemented in a manner that is consistent with this provision of the Section 508 Standard.</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</p>	<p>Supports when provided by author</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>Adobe Reader 7.0 and Acrobat 7.0 do not require user speech to operate the software.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports</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>Keyboard navigation is provided for all menu commands and other functionality in Adobe Reader 7.0 and Acrobat 7.0 Elements. All keyboard navigation available in Adobe Reader 7.0 is also available in Acrobat 7.0 Standard and Professional. Accessibility to keyboard commands that require modifier keys is supported through operating system features such as sticky keys.</p> <p>Some functions in Acrobat 7.0 Standard and Professional, such as freehand drawing tools for electronic markup of Adobe PDF files and creation of hyperlinks, are not keyboard accessible.</p>	<p>Supports</p>	<p>Supports</p>	<p>Supports with some exceptions</p>	<p>Supports with some exceptions</p>
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**Section 1194.41 Information, Documentation, and Support - Detail
Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and Explanations			
		Adobe Reader 7.0	Adobe Acrobat 7.0 Elements	Adobe Acrobat 7.0 Standard	Adobe Acrobat 7.0 Professional
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Adobe provides electronic versions of all product support documentation, with mechanisms available for the conversion of these documents to alternate formats.	Supports	Supports	Supports	Supports
(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.	Adobe provides electronic versions of all product support documentation, with mechanisms available for the conversion of these documents to alternate formats.	Supports	Supports	Supports	Supports
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Product support for Acrobat products is available in a variety of formats and from a number of online sources available from Adobe Systems.	Supports with some exceptions (no TTY/TDD)	Supports with some exceptions (no TTY/TDD)	Supports with some exceptions (no TTY/TDD)	Supports with some exceptions (no TTY/TDD)

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