

zyBooks - Voluntary Product Accessibility Template

Date updated: May 5th, 2017

Name of Product: zyBooks interactive textbooks

Contact for more Information (name/phone/email):

Accessibility@zybooks.com

zyBooks strives to make it's interactive educational materials available to all students by adhering to WCAG 2.0 level AA guidelines. For questions and comments, please contact the accessibility alias listed above.

Notes

1. This VPAT applies to the new zyBooks platform (learn.zyBooks.com) recently released summer 2017. All content will updated to be compliant for fall semester/quarter classes.
2. For some activities to be WCAG 2.0 level AA compliant, students will need to work in accessible mode. This can be enabled with instructor consent by the zyBooks support staff. Contact accessibility@zyBooks.com for details.

Summary Table

Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Supports	zyBooks platform and content meets criteria. See section 1194.21 for details.
Section 1194.22 Web-based Internet Information and Applications	Supports	zyBooks platform and content meets criteria. See section 1194.22 for details.
Section 1194.23 Telecommunications Products	Not applicable	
Section 1194.24 Video and Multi-media Products	Supports	zyBooks considers animation activities to be a multimedia element and they are made compliant through the use of text captioning. See section 1194.24 for details.

Section 1194.25 Self-Contained, Closed Products	Not applicable	
Section 1194.26 Desktop and Portable Computers	Not applicable	
Section 1194.31 Functional Performance Criteria	Supports	zyBooks platform and content meets criteria. See section 1194.31 for details.
Section 1194.41 Information, Documentation and Support	Supports	Product documentation can be made available in electronic and hard-copy formats. Additionally, support staff is available to communicate with end-users through the medium of their choice.

Section 1194.21 Software Applications and Operating Systems – Detail

Criteria	Supporting Features	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.	Supports	Content navigational and execution functions are possible with keyboard navigation and assistive technologies. Answer correctness is announced in a manner where results are available to assistive technologies.

<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>zyBooks causes no known disruptions to features or products providing accessibility features.</p>
<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</p>	<p>With the use assistive technologies, a well-defined indication of current focus is provided to end users.</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</p>	<p>zyBooks content is compliant. Operation and state of elements is available to assistive technologies.</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>	<p>Image use is consistent and clear to assistive technologies.</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>Supports</p>	<p>zyBooks uses standard operating system and browser methods for displaying text on screen.</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supports</p>	<p>zyBooks does not override color and contract selections.</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>Supports</p>	<p>Captions are statically displayed for all animation steps.</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>Supports</p>	<p>Color coding is never used as sole means of conveying information or eliciting a response.</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>Not applicable</p>	<p>zyBooks does provide any color selection settings.</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>Supports</p>	<p>zyBooks does not use flashing or blinking text.</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>Supports</p>	<p>zyBooks does not use forms in educational content but learning questions (multiple choice, T/F, short answer) are similar in concept. Students can enter answers and feedback is given in a manner available to assistive technologies.</p>
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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</p>	<p>Images have alt text captions. Interactive activities can be replaced with longer alternate and equivalent textual descriptions.</p>
<p>(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.</p>	<p>Supports</p>	<p>Animation participation activities might be considered a multimedia element. They have captioned content equivalent to each step that in animation.</p>
<p>(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>Supports</p>	<p>Color is not used anywhere in zyBooks educational content as the sole method of differentiation.</p>

(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	zyBooks content is readable without any associated stylesheets.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	zyBooks doesn't use any 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	zyBooks doesn't use any image maps.
(g) Row and column headers shall be identified for data tables.	Supports	All data tables are formatted properly with headers
(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.	Supports	All data data tables should be formatted properly with appropriate header cells.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not applicable	zyBooks doesn't use frames.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	All content should be within specified range.
(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	zyBooks currently has no text only page. However, zyBooks does currently provide ability to print content to a hard copy .pdf file if desired.

<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>Supports</p>	<p>zyBooks site requires javascript to run as it is a web application. If Javascript is disabled, a message is provided to the user about the requirement.</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>Not applicable</p>	<p>zyBooks doesn't use any applets.</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>Supports</p>	<p>zyBooks does not use forms in educational content but learning questions (multiple choice, T/F, short answer) are similar in concept. Students can enter answers and feedback is given in a manner available to assistive technologies.</p>
<p>(o) A method shall be provided that permits users to skip repetitive navigation links.</p>	<p>Supports</p>	<p>Assistive technologies provide a means to skip the table of contents links.</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>Not applicable</p>	<p>No zyBooks content requires a timed response.</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.

Section 1194.24 Video and Multi-media Products – Detail

<i>Criteria</i>	Supporting Features	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>	<p>Not applicable</p>	
<p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>	<p>Not applicable</p>	

<p>(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.</p>	<p>Not applicable</p>	<p>A very small number of external videos are linked from within zyBook content. These are not all open or closed captioned but they are not necessary for students learning the content or supporting the agency's mission.</p>
<p>(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.</p>	<p>Supports</p>	<p>zyBooks considers animation activities to be a multimedia element. Each step of an animation has a textual caption describing the educational content which is available to assistive technologies.</p>
<p>(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.</p>	<p>Supports</p>	<p>Audio presentation of visual materials is controlled through assistive technologies such as a screen reader. Users can these on and off as needed.</p>

Section 1194.31 Functional Performance Criteria – Detail

<i>Criteria</i>	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>Supports</p>	<p>Students can use assistive technologies such as screen readers with zyBooks.</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>In general, zyBooks electronic text content can be scaled as needed for the end user to read. In some cases, extreme text enlargement can lead to formatting errors.</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>Not applicable</p>	<p>zyBooks educational content does not rely on auditory information to present its content.</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>Not applicable</p>	<p>zyBooks educational content does not rely on auditory information to present its content.</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>Not applicable</p>	<p>zyBooks educational content does not rely on user speech to present its content.</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>Supports</p>	<p>zyBooks educational content does require any fine motor control outside of keyboard and/or mouse operation.</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	Product support documentation can be made available in electronic, hard copy, and through live personal discussions upon request at no additional charge.
(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	Accessibility and compatibility features can be made available in electronic, hard copy, and through live personal discussions upon request at no additional charge.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Support services will accommodate communication needs of any end-user.