OCLC WCAG 2.0

VOLUNTARY PRODUCT ACCESSIBILITY TEMPLATE (VPAT)

This template has been completed to assist procurement officials concerned with
OCLC applications meeting the accessibility requirements of the
WCAG 2.0 requirements published 20081211

Product Name	EZproxy
Product Version Number	**2016**
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NOTE 1: All success criteria listed are at level AA. Those also at Level A are indicated with an (A).

NOTE 2: Corresponding Section 508 criterion that are "Substantially Equivalent" are listed below each WCAG 2.0 Success Criterion I.D. in square brackets and are derived from the United States Access Board comparison table.

NOTE 3: Section 508 requirements that have no equivalency in the WCAG 2.0 Level AA requirements according to the United States Access Board comparison table are listed in Appendix A.

OCLC

WCAG 2.0 Details
Principle 1: Perceivable – Information and user interface components must be presentable to users in ways they can perceive.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
1.1	*Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.*		
1.1.1 [1194.22(a)] (A)	All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below: • **Controls, Input:** If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Guideline 4.1 for additional requirements for controls and content that accepts user input.) • **Time-Based Media:** If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.) • **Test:** If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. • **Sensory:** If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content. • **CAPTCHA:** If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. • **Decoration, Formatting, Invisible:** If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology.	Does Not Conform	Testing revealed issues regarding the use of text alternatives to present non-text content such as missing form labels for EZproxy.

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I.D.	Success Criteria	Level of Conformance	Remarks and explanations
1.2	*Provide alternatives for time-based media*		
1.2.1 [1194.22(a)] (A)	For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such: • **Prerecorded Audio-only:** An alternative for time-based media provided that presents equivalent information for prerecorded audio-only content. • **Prerecorded Video-only:** Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content.	N/A	Pre-recorded audio and video are not used on EZproxy.
1.2.2 [1194.22(b) & 1194.24(c)] (A)	Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	N/A	Pre-recorded audio is not used on EZproxy.
1.2.3 [1194.22(b) & 1194.24(d)] (A)	An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	N/A	Pre-recorded audio or media are not used on EZproxy.
1.2.4 [1194.22(b) & 1194.24(c)]	Captions are provided for all live audio content in synchronized media.	N/A	Live audio or media are not used on EZproxy.
1.2.5 [1194.22(b) & 1194.24(d)]	Audio description is provided for all prerecorded video content in synchronized media.	N/A	Video content is not used on EZproxy.

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I.D.	Success Criteria	Level of Conformance	Remarks and explanations
1.3	*Create content that can be presented in different ways (for example simpler layout) without losing information or structure.*		
1.3.1 [1194.22(e) through 1194.22(h)] (A)	Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.	Does Not Conform	Testing revealed issues regarding programmatic determination of information, structure, and relationships conveyed through presentation for EZproxy. Examples include missing form labels.
1.3.2 [None] (A)	When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.	Conforms	Testing revealed no issues regarding programmatic determination of meaningful reading sequences for EZproxy.
1.3.3 [None] (A)	Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound. **Note:** For requirements related to color, refer to Success Criteria 1.4.*	Conforms	Testing revealed no issues regarding accessing instructions without reliance on sensory characteristics for EZproxy.
1.4	*Make it easier for users to see and hear content including separating foreground from background.*		
1.4.1 [1194.21(i) & 1194.22(c)] (A)	Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. **Note:** This success criterion addresses color perception specifically. Other forms of perception are covered in Guideline 1.3 including programmatic access to color and other visual presentation coding.	Conforms	Testing revealed that color is not solely used as a means of conveying information for EZproxy.

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I.D.	Success Criteria	Level of Conformance	Remarks and explanations
1.4.2 [None] (A)	If any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level. **Note:** Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether or not it is used to meet other success criteria) must meet this success criterion.	N/A	Audio is not used for EZproxy.
1.4.3 [None]	The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following: • **Large Text**: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1; • **Incidental:** Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not visible to anyone, or that are part of a picture that contains significant other visual content, have no contrast requirement. • **Logotypes:** Text that is part of a logo or brand name has no minimum contrast requirement.	Conforms	Testing revealed no issues in regards to contrast for visual presentation of EZproxy.
1.4.4 [None]	Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.	Conforms	Testing revealed no issues for resizing text for EZproxy.

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I.D.	Success Criteria	Level of Conformance	Remarks and explanations
1.4.5 [1194.21(f)]	If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following: • **Customizable:** The image of text can be visually customized to the user's requirements; • **Essential:** A particular presentation of text is essential to the information being conveyed. **Note:** Logotypes (text that is part of a logo or brand name) are considered essential.	Conforms	Testing revealed EZproxy does not convey text as an image except where it was customizable or essential.

WCAG 2.0 Details
Principle 2: Operable - User interface components and navigation must be operable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
2.1	*Make all functionality available from a keyboard.*		
2.1.1 [1194.21(a)] (A)	All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints. **Note 1**: This exception relates to the underlying function, not the input technique. For example, if using handwriting to enter text, the input technique (handwriting) requires path-dependent input but the underlying function (text input) does not. **Note 2:** This does not forbid and should not discourage providing mouse input or other input methods in addition to keyboard operation.	Partially Conforms	Testing revealed some issues regarding accessing content through a keyboard interface for EZproxy. In particular, one screen uses Javascript jump menus.
2.1.2 [None] (A)	If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away. **Note:** Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion.	Conforms	Testing revealed no keyboard traps for EZproxy.

WCAG 2.0 Details
Principle 2: Operable - User interface components and navigation must be operable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
2.2	*Provide users enough time to read and use content.*		
2.2.1 [1194.22(p)] (A)	For each time limit that is set by the content, at least one of the following is true: • **Turn off:** The user is allowed to turn off the time limit before encountering it; or • **Adjust:** The user is allowed to adjust the time limit before encountering it over a wide range that is at least ten times the length of the default setting; or • **Extend:** The user is warned before time expires and given at least 20 seconds to extend the time limit with a simple action (for example, "press the space bar"), and the user is allowed to extend the time limit at least ten times; or • **Real-time Exception:** The time limit is a required part of a real-time event (for example, an auction), and no alternative to the time limit is possible; or • **Essential Exception:** The time limit is essential and extending it would invalidate the activity; or • **20 Hour Exception:** The time limit is longer than 20 hours. **Note:** This success criterion helps ensure that users can complete tasks without unexpected changes in content or context that are a result of a time limit. This success criterion should be considered in conjunction with Success Criterion 3.2.1, which puts limits on changes of content or context as a result of user action.	Conforms	Testing revealed no issues regarding time limits or the ability to extend time limits for EZproxy.

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Principle 2: Operable - User interface components and navigation must be operable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
2.2.2 [1194.21(h)] (A)	For moving, blinking, scrolling, or auto-updating information, all of the following are true: • **Moving, blinking, scrolling:** For any moving, blinking or scrolling information that (1) starts automatically, (2) lasts more than five seconds, and (3) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it unless the movement, blinking, or scrolling is part of an activity where it is essential; and • **Auto-updating:** For any auto-updating information that (1) starts automatically and (2) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it or to control the frequency of the update unless the auto-updating is part of an activity where it is essential. **Note 1:** For requirements related to flickering or flashing content, refer to Guideline 2.3. **Note 2:** Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion. See Conformance Requirement 5: Non-Interference. **Note 3:** Content that is updated periodically by software or that is streamed to the user agent is not required to preserve or present information that is generated or received between the initiation of the pause and resuming presentation, as this may not be technically possible, and in many situations could be misleading to do so. **Note 4:** An animation that occurs as part of a preload phase or similar situation can be considered essential if interaction cannot occur during that phase for all users and if not indicating progress could confuse users or cause them to think that content was frozen or broken.	Conforms	Testing revealed no issues regarding auto-updated information or moving/ blinking/ scrolling text for EZproxy.

WCAG 2.0 Details
Principle 2: Operable - User interface components and navigation must be operable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
2.3	*Do not design content in a way that is known to cause seizures.*		
2.3.1 [1194.21(k) & 1194.22(j)] (A)	Web pages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds. **Note:** Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion.	Conforms	Testing revealed no issues regarding flashing content for EZproxy.
2.4	*Provide ways to help users navigate, find content, and determine where they are.*		
2.4.1 [1194.22(o)] (A)	A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.	N/A	There are no repeatable navigation systems for EZproxy.
2.4.2 [1194.22(i)] (A)	Web pages have titles that describe topic or purpose	Partially Conforms	Testing revealed some issues regarding pages having titles that describe their topic or purpose for EZproxy. The Login screen does not use a page title.
2.4.3 [None] (A)	If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.	Conforms	Testing revealed no issues with focusable components receiving focus in an order that preserves meaning and operability for EZproxy.
2.4.4 [None] (A)	The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.	Does Not Conform	Testing revealed issues with a link's purpose being determined from the link text for EZproxy.In particular, pages showed the presence of empty links.

WCAG 2.0 Details
Principle 2: Operable - User interface components and navigation must be operable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
2.4.5 [None]	More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.	Does Not Conform	Testing revealed issues with having more than one way to locate a webpage within EZproxy, except where the web page was the result of, or a step in, a process. In particular, the database menu page lives outside of the other pages and no link Is provided to access it from the other pages. No logout link is provided on the database menu page.
2.4.6 [None]	Headings and labels describe topic or purpose.	Paritally Conforms	Testing revealed some issues with descriptive headings and labels for EZproxy. In particular, "Miscellaneous" is used for heading titles.
2.4.7 [1194.21(c)]	Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.	Conforms	Testing revealed no issues regarding visible keyboard focus indicators for EZproxy.

WCAG 2.0 Details
Principle 3: Understandable - Information and the operation of the user interface must be understandable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
3.1	*Make text content readable and understandable.*		
3.1.1 [None] (A)	The default human language of each Web page can be programmatically determined.	Does Not Conform	Testing revealed issues with the default human language of each Web page not being programmatically determined for EZproxy. In particular, language of page is either not present or is in a deprecated tag.
3.1.2 [None] (A)	The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.	Does Not Conform	Testing revealed issues with the human language of each passage or phrase in the content of a page being programmatically determined for EZproxy. In particular, language of page is either not present or is in a deprecated tag.
3.2	*Make Web pages appear and operate in predictable ways.*		
3.2.1 [1194.21(l) & 1194.22(n)] (A)	When any component receives focus, it does not initiate a change of context.	Conforms	Testing revealed no issues with components receiving focus initiating a change of context for EZproxy.
3.2.2 [1194.21(l) & 1194.22(n)] (A)	Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.	Partially Conforms	Testing revealed some issues where changing the setting of a user interface component causes a change of context for EZproxy - specifically, the use of Javascript jump menus.
3.2.3 [None]	Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.	Conforms	Testing revealed no issues with navigational mechanisms that are repeated on multiple Web pages being in the same order within a set of Webpages for EZproxy.

WCAG 2.0 Details

Principle 3: Understandable - Information and the operation of the user interface must be understandable.

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
3.2.4 [1194.21(e)]	Components that have the same functionality within a set of Web pages are identified consistently.	Conforms	Testing revealed no issues with components that have the same functionality within a set of Web pages being identified consistently for EZproxy.
3.3	*Help users avoid and correct mistakes.*		
3.3.1 [1194.21(l) & 1194.22(n)] (A)	If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.	Partially Conforms	Testing revealed issues with errors being automatically detected and textually identified and described for Ezproxy on a page where error handling is missing.
3.3.2 [1194.21(l) & 1194.22(n)] (A)	Labels or instructions are provided when content requires user input.	Does Not Conform	Testing revealed issues for labels or instructions being provided when content requires user input, specifically missing form labels, for EZproxy.
3.3.3 [None]	If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.	Partially Conforms	Testing revealed issues with errors being automatically detected and suggestions for corrections being provided to the user on the EZproxy where error handling is missing on a page.
3.3.4 [None]	For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true: • **Reversible:** Submissions are reversible. • **Checked:** Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. • **Confirmed:** A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission.	N/A	EZproxy does not deal in legal commitments or in financial transactions.

WCAG 2.0 Details
Principle 4: Robust - Content must be robust enough to work with current and future technologies

I.D.	Success Criteria	Level of Conformance	Remarks and explanations
4.1	*Maximize compatibility with current and future user agents, including assistive technologies.*		
4.1.1 [None] (A)	In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features. **Note:** Start and end tags that are missing a critical character in their formation, such as a closing angle bracket or a mismatched attribute value quotation mark are not complete.	Conforms	Testing revealed no issues for EZproxy. If markup language is used for content, it follows proper specifications, excluding exceptions allowed by the specification.
4.1.2 [1194.21(d)] (A)	For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies.	Conforms	Testing revealed no issues with the programmatic specification of names and roles for user interface components or the states, properties and values of those that can be set by the user for EZproxy.

APPENDIX A

Listed below are Section 508 standards that have no equivalent criteria in the December 11, 2008 WCAG 2.0 AA guidelines, according to the United States Access Board comparison table[1].

Section 508 Standards with No Equivalent Criteria In WCAG 2.0 AA[1]			
Criteria	**Description**	**Level of Support**	**Remarks and Explanations**
1194.21(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.	Supports	EZproxy does not disrupt or disable activated features of products providing assistive technology.
1194.21(g)	Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	EZproxy does not override user selected contrast and color selections and other individual display attributes, but may allow users to set these attributes for a particular OCLC product.
1194.22(d)	Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	Testing revealed no issues with EZproxy readability when style sheets are disabled, such as Submit buttons appearing before the input component to which they applied.
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.	Not Applicable	Compliance can be accomplished without the need of a text-only page for EZproxy.

[1] This is determined by their absence from the United States Access Board comparison table.

Section 508 Standards with No Equivalent Criteria In WCAG 2.0 AA[1]

Criteria	Description	Level of Support	Remarks and Explanations
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.	Supports	Testing revealed no issues regarding accessing content through a keyboard interface for EZproxy.
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 1194.21(a) through (l).	N/A	EZproxy does not require plug-ins or applets.
1194.31(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.	Supports with Exceptions	EZproxy supports Assistive Technologies used by people who are blind or visually impaired except as noted in this VPAT.

Section 508 Standards with No Equivalent Criteria In WCAG 2.0 AA[1]

Criteria	Description	Level of Support	Remarks and Explanations
1194.31(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.	Supports with Exceptions	EZproxy supports Assistive Technologies used by people who are visually impaired, and works with the usual browser controls for enlarging screen text. except as noted in this VPAT.
1194.31(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.	Supports	EZproxy does not require user audio.

Section 508 Standards with No Equivalent Criteria In WCAG 2.0 AA[1]

Criteria	Description	Level of Support	Remarks and Explanations
1194.31(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	EZproxy does not require audio for operation.
1194.31(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	EZproxy does not require user speech input.
1194.31(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	Testing revealed at least one of operation and information retrieval that did not require fine motor control or simultaneous actions and that was operable with limited reach and strength for EXproxy.
1194.41(a)	Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supports	EZproxy supplies online documentation in HTML format which may also be printed via the browser used by the end-user. End-users can also get a link to documentation in HTML format suitable for printing from the OCLC Customer Services department.

Section 508 Standards with No Equivalent Criteria In WCAG 2.0 AA[1]

Criteria	Description	Level of Support	Remarks and Explanations
1194.41(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	A description of the accessibility and compatibility features of EZproxy is provided by this VPAT. End-users can get a link to this VPAT in HTML format suitable for printing from the OCLC Customer Services department.
1194.41(c)	Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports with Exceptions	Support for EZproxy is provided by phone for the visually-impaired. It is not currently provided for the hearing-impaired (e.g., via online 'Chat').