Web Content Accessibility Guidelines 2.0 Checklist

ProQuest Ebook Central

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

Standa	ard	Description	Apply Yes/No	Meets Yes/No	Comments (mandatory)
Guideli	ine 1.1 To ed into a Non-text present serves to situation. • Corror a des	Text Alternatives: Provide text alternatives for ther forms people need, such as large print ext Content: All non-text content that is sted to the user has a text alternative that the equivalent purpose, except for the ens listed below (Level A). Introls, Input: If non-text content is a control accepts user input, then it has a name that scribes its purpose. (Refer to Guideline 4.1 for	Yes/No or any non-	Yes/No -text conten	(mandatory) t so that it can be ols or simpler language. Ebook Central is designed to support alternative access to non-text content wherever possible. Images: All images used to represent functionality or actions have associated
	Tim bas pro cor addTes wo	ditional requirements for controls and neent that accepts user input.) nee-Based Media: If non-text content is time-sed media, then text alternatives at least ovide descriptive identification of the non-text neent. (Refer to Guideline 1.2 for the ditional requirements for media.) st: If non-text content is a test or exercise that uld be invalid if presented in text, then text ernatives at least provide descriptive			text labels (or alt /title text if a text label is not appropriate). We cannot guarantee that all images in the content have been given alt text. A small number of books are in PDF image format only (unreadable to screen readers).
	 Ser intention the des 	ntification of the non-text content. nsory: If non-text content is primarily ended to create a specific sensory experience, en text alternatives at least provide scriptive identification of the non-text ntent.			Controls: Text labels identify all form fields. Labels/ids and other accessible code necessary for screen readers are associated with all form elements. Time-Based Media, Test, Sensory: Not used in Ebook Central.

	CAPTCHA: If the purpose of non-text content			CAPTCHA: Not used in
	is to confirm that content is being accessed			Ebook Central.
	by a person rather than a computer, then			
	text alternatives that identify and describe			Decorative, Formatting,
	the purpose of the non-text content are			Invisible: If non-text
	provided, and alternative forms of CAPTCHA			content is pure
	using output modes for different types of			decoration, is used only
	sensory perception are provided to			for visual formatting, or is
	accommodate different disabilities.			not presented to users,
	accommodate different disabilities.			then it is implemented in a
	December Commentation Institute If you have			-
	Decorative, Formatting, Invisible: If non-text			way that it can be ignored
	content is pure decoration, is used only for			by assistive technology.
	visual formatting, or is not presented to			Decorative images have
	users, then it is implemented in a way that it			blank alt text, so they will
	can be ignored by assistive technology.			be ignored by assistive
				technology.
	ine 1.2 Time-based Media: Provide alternatives for			
1.2.1	Audio-only and Video-only (Prerecorded): For	No	Not	Ebook Central does not
	prerecorded audio-only and prerecorded video-only		applicable	offer audio and video
	media, the following are true, except when the			content.
	audio or video is a media alternative for text and is			
	clearly labeled as such (Level A):			
	Prerecorded Audio-only: An alternative for time-			
	based media is 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.			
1.2.2	Captions (Prerecorded): Captions are provided for all	No	Not	Ebook Central does not
	prerecorded audio content in synchronized media,		applicable	offer audio and video
	except when the media is a media alternative for			content.
	text and is clearly labeled as such. (Level A)			
1.2.3	Audio Description or Media Alternative	No	Not	Ebook Central does not
	(Prerecorded): An alternative for time-based media		applicable	offer audio and video
	or audio description of the prerecorded video			content.
	content is provided for synchronized media, except			
	when the media is a media alternative for text and is			
	clearly labeled as such. (Level A)			
1.2.4	Captions (Live): Captions are provided for all live	No	Not	Ebook Central does not
1.4.4	audio content in synchronized media. (Level AA)	INU	applicable	offer audio and video
	addio content in synchronized media. (Level AA)		applicable	content.
1.2.5	Audio Description (Prerecorded): Audio description	No	Not	Ebook Central does not
1.2.5	· · · · · · · · · · · · · · · · · · ·	INU		offer audio and video
	is provided for all prerecorded video content in		applicable	
	synchronized media. (Level AA)			content.

1.2.6	Sign Language (Prerecorded): Sign language interpretation is provided for all prerecorded audio content in synchronized media. (Level AAA)	No	Not applicable	Ebook Central does not offer audio and video content.			
1.2.7	Extended Audio Description (Prerecorded): Where pauses in foreground audio are insufficient to allow audio descriptions to convey the sense of the video, extended audio description is provided for all prerecorded video content in synchronized media. (Level AAA)	No	Not applicable	Ebook Central does not offer audio and video content.			
1.2.8	Media Alternative (Prerecorded): An alternative for time-based media is provided for all prerecorded synchronized media and for all prerecorded video-only media. (Level AAA)	No	Not applicable	Ebook Central does not offer audio and video content.			
1.2.9	Audio-only (Live): An alternative for time-based media that presents equivalent information for live audio-only content is provided. (Level AAA)	No	Not applicable	Ebook Central does not offer audio and video content.			
Guidel	line 1.3 Adaptable: Create content that can be prese	ented in diff	ferent ways				
layout) without losing information or structure.						
1.3.1	Info and Relationships: Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text. (Level A)	Yes	Yes	Ebook Central employs the following to support this criterion: • Labels/ids with form elements • markup for lists & headings • CSS to control visual presentation of text • Correct use of semantic markup (bold, italics, etc.)			
1.3.2	Meaningful Sequence: When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined. (Level A)	Yes	Yes	Content is ordered in a meaningful sequence, even when page styling is turned off.			
1.3.3	Sensory Characteristics: 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. (Level A)	Yes	Yes	Instructions provided do not rely solely on sensory characteristics of components. Typically labels and descriptive text are used.			
	Guideline 1.4 Distinguishable: Make it easier for users to see and hear content including separating foreground from background.						

1.4.1	Use of Color: Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. (Level A)	Yes	Yes	Color is used to enhance usability by drawing attention to certain areas of the screen. Color is never the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. For example, the ProQuest Ebook Central logo is identifiable as such to assistive technologies.
1.4.2	Audio Control: 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. (Level A)	No	Not applicable	Ebook Central does not offer audio content or native text-to-speech functionality.
1.4.3	 Contrast (Minimum): The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following: (Level AA) 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. 	Yes	Yes	Text throughout Ebook Central meets the suggested color contrast ratio. In addition, CSS style sheets can be switched off or overridden by user preferences.
1.4.4	Resize text: Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality. (Level AA)	Yes	Yes	Text throughout Ebook Central can be resized using standard browser or native product controls without loss of content or functionality.

1.4.5	 Images of Text: 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: (Level AA) 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. 	Yes	Partial	HTML/CSS is used to represent visual presentation whenever possible. In the data, full text content is presented as text wherever available. However, a few books are in PDF image format.
1.4.6	 Contrast (Enhanced): The visual presentation of text and images of text has a contrast ratio of at least 7:1, except for the following: (Level AAA) Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 4.5:1; 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. 	Yes	Partial	The majority of text in Ebook Central meets the suggested color contrast ratio.
1.4.7	 Low or No Background Audio: For prerecorded audio-only content that (1) contains primarily speech in the foreground, (2) is not an audio CAPTCHA or audio logo, and (3) is not vocalization intended to be primarily musical expression such as singing or rapping, at least one of the following is true: (Level AAA) No Background: The audio does not contain background sounds. Turn Off: The background sounds can be turned off. 20 dB: The background sounds are at least 20 decibels lower than the foreground speech content, with the exception of occasional sounds that last for only one or two seconds. 	No	Not applicable	Ebook Central does not offer audio content.

1.4.8	 Visual Presentation: For the visual presentation of blocks of text, a mechanism is available to achieve the following: (Level AAA) Foreground and background colors can be selected by the user. Width is no more than 80 characters or glyphs (40 if CJK). Text is not justified (aligned to both the left and the right margins). Line spacing (leading) is at least space-and-a-half within paragraphs, and paragraph spacing is at least 1.5 times larger than the line spacing. Text can be resized without assistive technology up to 200 percent in a way that does not require the user to scroll horizontally to read a line of text on a full-screen window. 	Yes	Partial	Text is not justified on Ebook Central, and may be resized using standard browser controls or native product controls without use of horizontal scrolling. Foreground and background colors may be inverted by the user.
1.4.9	Images of Text (No Exception): Images of text are only used for pure decoration or where a particular presentation of text is essential to the information being conveyed. (Level AAA)	Yes	No	A small number of books are in PDF image format.

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

Stand	ard Description	Apply Yes/No	Meets Yes/No	Comments
Guide	ine 2.1 Keyboard Accessible: Make all functionality available	from a keybo	ard.	
2.1.1	Keyboard: All functionality of the content is operable through a keyboard interface without requiring specific timings for individu keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints. (Level A)		Yes	Product functions are available and executable from a keyboard when using Accessibility Mode.
2.1.2	No Keyboard Trap: 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. (Level A)	Yes n	Yes	Focus can be moved to and away from components using only a keyboard.

2.1.3	Keyboard (No Exception): All functionality of the content is	Yes	Yes	Product
	operable through a keyboard interface without requiring specific			functions are
	timings for individual keystrokes. (Level AAA)			available and
				executable
				from a
				keyboard when
				using
				Accessibility
				Mode.

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

Guidel	Guideline 2.2 Enough Time: Provide users enough time to read and use content.					
2.2.1	Timing Adjustable: For each time limit that is set by the content, at	Yes	Partial	Product times		
	least one of the following is true: (Level A)			out user		
	Turn off: The user is allowed to turn off the time limit before			sessions after		
	encountering it; or			30 minutes by		
	Adjust: The user is allowed to adjust the time limit before			default, but the		
	encountering it over a wide range that is at least ten times the			timeout period		
	length of the default setting; or			is extended to		
	Extend: The user is warned before time expires and given at			6 hours for		
	least 20 seconds to extend the time limit with a simple action			users in		
	(for example, "press the space bar"), and the user is allowed to			Accessibility		
	extend the time limit at least ten times; or			Mode.		
	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.					
2.2.2	Pause, Stop, Hide: For moving, blinking, scrolling, or auto-updating	No	Not	Ebook Central		
	information, all of the following are true: (Level A)		applicab	does not have		
	Moving, blinking, scrolling: For any moving, blinking or		le	any moving,		
	scrolling information that (1) starts automatically, (2) lasts			blinking,		
	more than five seconds, and (3) is presented in parallel with			scrolling, or		
	other content, there is a mechanism for the user to pause,			auto-updating		
	stop, or hide it unless the movement, blinking, or scrolling is			content.		
	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.					

2.2.3	No Timing: Timing is not an essential part of the event or activity presented by the content, except for non-interactive synchronized media and real-time events. (Level AAA)	Yes	Partial	Ebook Central does not require timed responses, but does set a time limit to the user's session.
2.2.4	Interruptions: Interruptions can be postponed or suppressed by the user, except interruptions involving an emergency. (Level AAA)	No	Not applicab le	This criterion is not applicable to Ebook Central.
2.2.5	Re-authenticating: When an authenticated session expires, the user can continue the activity without loss of data after reauthenticating. (Level AAA)	Yes	Yes	Ebook Central returns the user to their previous page after reauthentication.
Guidel	ine 2.3 Seizures: Do not design content in a way that is known to	cause seiz	zures.	
2.3.1	Three Flashes or Below Threshold: 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. (Level A)	Yes	Yes	Ebook Central does not use flashing or blinking elements in the user interface.
2.3.2	Three Flashes: Web pages do not contain anything that flashes more than three times in any one second period. (Level AAA)	Yes	Yes	Ebook Central does not use flashing or blinking elements in the user interface.
Guidel	ine 2.4 Navigable: Provide ways to help users navigate, find com	tent, and a	etermine v	where they are.

2.4.1	Bypass Blocks: A mechanism is available to bypass blocks of content that are repeated on multiple Web pages. (Level A)	Yes	Partial	Skip navigation links are provided on most pages. The skip links remain invisible for mouse users, but are accessible to screen readers.
				The exception is the Bookshelf page, which we intend to address in a future release (currently targeted for Q2 2017).
2.4.2	Page Titled: Web pages have titles that describe topic or purpose. (Level A)	Yes	No	Most pages of Ebook Central have descriptive page titles. We plan to address exceptions in Q2, 2017.
2.4.3	Focus Order: 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. (Level A)	Yes	Yes	Page elements and functionality are placed in an order that follows the sequences and relationships in the content.

2.4.4	Link Purpose (In Context): 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. (Level A)	Yes	Yes	Meaningful link text has been used throughout Ebook Central. Where link text could be considered ambiguous, we have provided title attribute text with additional information.
2.4.5	Multiple Ways: 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. (Level AA)	Yes	Yes	More than one way is available to locate the main pages of Ebook Central.
2.4.6	Headings and Labels: Headings and labels describe topic or purpose. (Level AA)	Yes	Yes	Descriptive headings and labels have been used throughout the interface.
2.4.7	Focus Visible: Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible. (Level AA)	Yes	Yes	Ebook Central has been implemented to support the default focus indicator for the device being used. Link text and other elements have often been styled to change in visual appearance when the mouse hovers over them.
2.4.8	Location: Information about the user's location within a set of Web pages is available. (Level AAA)	Yes	Partial	All pages have a title and a clear main heading.

2.4.9	Link Purpose (Link Only): A mechanism is available to allow the	Yes	Partial	The purpose of
2.4.3	purpose of each link to be identified from link text alone, except	163	raitial	most links can
	where the purpose of the link would be ambiguous to users in			be identified
	general. (Level AAA)			from link text
				alone. In some
				cases, the
				link text has
				been
				supplemented
				with additional
				information in
				the title
				attribute or
				hidden text
				within the link
				(e.g., links
				which open in
				a new browser
				window).
2.4.10	Section Headings: Section headings are used to organize the	Yes	Partial	If content was
	content. (Level AAA)			supplied with
				section
				headings,
				these have
				been preserved
				when the
				content is
				downloaded.

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

Stand	lard	Description	Apply Yes/No	Meets Yes/No	Comments	
Guide	Guideline 3.1 Readable: Make text content readable and understandable.					
3.1.1		guage of Page: The default human language of each Web page be programmatically determined. (Level A)	Yes	Yes	The language of each page has been specified in the HTML.	

3.1.2	Language of Parts: 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. (Level AA)	Yes	Partial	The language(s) of each book is available in its bibliographic information and may be used to configure the screen reader.	
3.1.3	Unusual Words: A mechanism is available for identifying specific definitions of words or phrases used in an unusual or restricted way, including idioms and jargon. (Level AAA)	Yes	No	Ebook Central does not guarantee support for this criterion as we do not control the exact words used in our aggregated content.	
3.1.4	Abbreviations: A mechanism for identifying the expanded form or meaning of abbreviations is available. (Level AAA)	Yes	No	Ebook Central uses abbreviations that are typically well known to researchers, such as the citation formats (e.g. APA, MLA).	
3.1.5	Reading Level: When text requires reading ability more advanced than the lower secondary education level after removal of proper names and titles, supplemental content, or a version that does not require reading ability more advanced than the lower secondary education level, is available. (Level AAA)	Yes	No	Ebook Central does not meet this criterion.	
3.1.6	Pronunciation: A mechanism is available for identifying specific pronunciation of words where meaning of the words, in context, is ambiguous without knowing the pronunciation. (Level AAA)	Yes	No	Ebook Central does not meet this criterion.	
Guideline 3.2 Predictable: Make Web pages appear and operate in predictable ways.					
3.2.1	On Focus: When any component receives focus, it does not initiate a change of context. (Level A)	Yes	Yes	Context is not changed on focus alone.	

3.2.2	On Input: Changing the setting of any user interface component	Yes	Yes	Context is not		
	does not automatically cause a change of context unless the user			changed		
	has been advised of the behavior before using the component.			automatically –		
	(Level A)			appropriate		
				advisories and		
				controls		
				are provided.		
3.2.3	Consistent Navigation: Navigational mechanisms that are repeated	Yes	Yes	The global site		
0.2.0	on multiple Web pages within a set of Web pages occur in the	. 55		navigation links		
	same relative order each time they are repeated, unless a change			appear in the		
	is initiated by the user. (Level AA)			same place and		
	is initiated by the aser. (Leverivity			the same order		
				on every page		
				of Ebook		
				Central.		
3.2.4	Consistent Identification, Company to that have the same	Yes	Yes	Care has been		
3.2.4	Consistent Identification: Components that have the same	res	res			
	functionality within a set of Web pages are identified consistently.			taken to		
	(Level AA)			identify		
				components		
				with the same		
				functionality		
				consistently		
				throughout		
				Ebook Central.		
3.2.5	Change on Request: Changes of context are initiated only by user	Yes	Yes	Forms are not		
	request or a mechanism is available to turn off such changes.			submitted		
	(Level AAA)			automatically;		
				appropriate		
				controls		
				are provided.		
				Pop-up layers		
				are not		
				launched		
				automatically;		
				appropriate		
				controls		
				are provided.		
				Users must		
				select or click		
				on links.		
Guideline 3.3 Input Assistance: Help users avoid and correct mistakes.						
3.3.1	Error Identification: If an input error is automatically detected,	Yes	Yes	Error messages		
	the item that is in error is identified and the error is described to			are provided		
	the user in text. (Level A)			on all forms		
				within Ebook		
				Central.		
				Central.		

3.3.2	Labels or Instructions: Labels or instructions are provided when content requires user input. (Level A)	Yes	Yes	Input fields are clearly labeled and explanatory text is provided to assist the user where necessary.
3.3.3	Error Suggestion: 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. (Level AA)	Yes	Yes	Suggestions for error correction are made when applicable.
3.3.4	 Error Prevention (Legal, Financial, Data): 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: (Level AA) 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. 	No	Not applicab le	This criterion is not applicable to Ebook Central.
3.3.5	Help: Context-sensitive help is available. (Level AAA)	Yes	Yes	A link to our context-sensitive help pages is available on every page of Ebook Central. Additional help examples and explanatory text are provided on the page where necessary.

3.3.6	Error Prevention (All): For Web pages that require the user to	Yes	Partial	All forms are
	submit information, at least one of the following is true: (Level			validated for
	AAA)			input errors
	Reversible: Submissions are reversible.			and
	Checked: Data entered by the user is checked for input errors			opportunities
	and the user is provided an opportunity to correct them.			for correction
	Confirmed: A mechanism is available for reviewing,			are given.
	confirming, and correcting information before finalizing the			
	submission.			Saved books,
				searches, and
				annotations
				can be deleted.
				Downloading
				of content
				does not meet
				this criterion.

Principle 4: Robust - Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies.

Stand	ard	Description	Apply Yes/No	Meets Yes/No	Comments
Guidei techno		1.1 Compatible: Maximize compatibility with current and fut es.	ure user a	gents, incli	uding assistive
4.1.1	eler acco dup	sing: In content implemented using markup languages, ments have complete start and end tags, elements are nested ording to their specifications, elements do not contain licate attributes, and any IDs are unique, except where the cifications allow these features. (Level A)	Yes	Yes	Pages conform to HTML web standards.
4.1.2	but gen dete user thes	ne, Role, Value: For all user interface components (including not limited to: form elements, links and components erated by scripts), the name and role can be programmatically ermined; states, properties, and values that can be set by the r can be programmatically set; and notification of changes to se items is available to user agents, including assistive nnologies. (Level A)	Yes	Yes	Pages conform to HTML web standards. Text labels identify all form fields. Label/ids and other accessible code necessary for screen readers are associated with all form elements.