



# Adobe® Experience Manager (AEM) 6.0 Forms WCAG 2.0 Product Accessibility Template

Date: May 22, 2014

Name of product: Adobe® Experience Manager (AEM) 6.0 Forms

Contact for more information: [access@adobe.com](mailto:access@adobe.com)

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

Criteria	Description	Supporting Features	Remarks and explanations
<p><b>Guideline 1.1 Text Alternatives:</b> 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.</p>			
1.1.1	<p><b>Non-text Content:</b> 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 (Level A).</p> <p><b>Decorative, Formatting, Invisible:</b> 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.</p> <p><b>Time-Based Media:</b> 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 the additional requirements for media.)</p> <p><b>Test:</b> 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.</p> <p><b>Sensory:</b> 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.</p> <p><b>CAPTCHA:</b> If the purpose of non-text content is to confirm that content is being accessed by a person rather than</p>	Does not support	<p>Some non-text objects have a text equivalent in AEM Forms, but the majority do not, including:</p> <ul style="list-style-type: none"> <li>• Most images lack an alt attribute.</li> <li>• Some functionality is provided as CSS background images with no text equivalent.</li> </ul>

Criteria	Description	Supporting Features	Remarks and explanations
	<p>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.</p>		
<p><b>Guideline 1.2 Time-based Media:</b> Provide alternatives for time-based media.</p>			
1.2.1	<p>Audio-only and Video-only (Prerecorded): 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 (Level A):</p> <p>Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content.</p> <p>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.</p>	<p><b>Supports</b></p>	<p>AEM Forms does not include multimedia. If authors include multimedia, they need to ensure conformance to this success criterion.</p>
1.2.2	<p>Captions (Prerecorded): 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. (Level A)</p>	<p><b>Supports</b></p>	<p>AEM Forms does not include multimedia. If authors include multimedia, they need to ensure conformance to this success criterion.</p>
1.2.3	<p>Audio Description or Media Alternative (Prerecorded): 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. (Level A)</p>	<p><b>Supports</b></p>	<p>AEM Forms does not include multimedia. If authors include multimedia, they need to ensure conformance to this success criterion.</p>

Criteria	Description	Supporting Features	Remarks and explanations
1.2.4	Captions (Live): Captions are provided for all live audio content in synchronized media. (Level AA)	<b>Supports</b>	AEM Forms does not include multimedia. If authors include multimedia, they need to ensure conformance to this success criterion.
1.2.5	Audio Description (Prerecorded): Audio description is provided for all prerecorded video content in synchronized media. (Level AA)	<b>Supports</b>	AEM Forms does not include multimedia. If authors include multimedia, they need to ensure conformance to this success criterion.
<b>Guideline 1.3 Adaptable:</b> Create content that can be presented in different ways (for example simpler 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)	<b>Supports with exceptions</b>	Information, structure, and relationships in AEM Forms can be programmatically determined with some exceptions, including: <ul style="list-style-type: none"> <li>The list view in forms is presented as a data table, but the structure of the table is not programmatically available.</li> <li>Some structural elements are created with semantically neutral elements.</li> </ul>
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)	<b>Supports with exceptions</b>	AEM Forms provides a meaningful reading sequence for most content with some exceptions, including: <ul style="list-style-type: none"> <li>The menu items for menu buttons are not focused when the button is activated or adjacent in the keyboard tab order.</li> <li>The column headers for the data table in the list view are created with semantically neutral elements and not programmatically associated with the data table.</li> </ul>
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)	<b>Supports</b>	AEM Forms does not rely on sensory characteristics of components to convey information.

Criteria	Description	Supporting Features	Remarks and explanations
<p><b>Guideline 1.4 Distinguishable:</b> Make it easier for users to see and hear content including separating foreground from background.</p>			
1.4.1	<p>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)</p>	<p><b>Supports with exceptions</b></p>	<p>AEM Forms does not rely on color alone, with the following exception:</p> <p>The current step for creating an adaptive form is shown by color alone.</p>
1.4.2	<p>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)</p> <p>Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1;</p> <p>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.</p> <p>Logotypes: Text that is part of a logo or brand name has no minimum contrast requirement.</p>	<p><b>Supports</b></p>	<p>AEM Forms does not include audio. If authors include audio, they need to ensure conformance to this success criterion.</p>
1.4.3	<p>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)</p>	<p><b>Supports with exceptions</b></p>	<p>AEM Forms provides sufficient contrast with some exceptions, including:</p> <ul style="list-style-type: none"> <li>• The descriptions in the card and list view have insufficient contrast.</li> <li>• Some labels for form controls have insufficient contrast.</li> <li>• Some buttons have insufficient contrast.</li> <li>• The text indicating the current step for creating an adaptive form has insufficient contrast.</li> </ul>

Criteria	Description	Supporting Features	Remarks and explanations
1.4.4	<p>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)</p> <p>Customizable: The image of text can be visually customized to the user's requirements;</p> <p>Essential: A particular presentation of text is essential to the information being conveyed.</p>	<b>Supports</b>	AEM Forms can be resized without loss of content or functionality.
1.4.5	<p>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)</p>	<b>Supports</b>	AEM Forms does not use images of text.

## Principle 2: Operable – User interface components and navigation must be operable

Criteria	Description	Supporting Features	Remarks and explanations
<b>Guideline 2.1 Keyboard Accessible:</b> Make all functionality available from a keyboard.			
2.1.1	Keyboard: 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. (Level A)	<b>Does not support</b>	Some functionality can be achieved using the keyboard alone in AEM Forms, but some features require a mouse to operate, including: <ul style="list-style-type: none"> <li>• Checkboxes not reachable or operable in the forms list view.</li> <li>• Error messages are only revealed on mouse hover.</li> <li>• Resources in the forms editing sidebar cannot be reached or operated using the keyboard alone.</li> <li>• The drag and drop functionality to move a custom widget to the form requires a mouse, and cannot be performed using the keyboard.</li> </ul>
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)	<b>Supports with exceptions</b>	AEM Forms does not include keyboard traps, with the following exception: <ul style="list-style-type: none"> <li>• When focus is on the WYSIWYG editor for editing a form, focus becomes trapped in the editor.</li> </ul>
<b>Guideline 2.2 Enough Time:</b> 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 least one of the following is true: (Level A)  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	<b>Not applicable</b>	AEM Forms does not include time limits.

Criteria	Description	Supporting Features	Remarks and explanations
	<p>times the length of the default setting; or</p> <p>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</p> <p>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</p> <p>Essential Exception: The time limit is essential and extending it would invalidate the activity; or</p> <p>20 Hour Exception: The time limit is longer than 20 hours.</p>		
2.2.2	<p>Pause, Stop, Hide: For moving, blinking, scrolling, or auto-updating information, all of the following are true: (Level A)</p> <p>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</p> <p>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.</p>	<b>Not applicable</b>	AEM Forms does not include moving, blinking, or auto-updating content. If authors include content that moves, blinks, or auto-updates, they need to ensure conformance to this success criterion.
<p><b>Guideline 2.3 Seizures:</b> Do not design content in a way that is known to cause seizures.</p>			

Criteria	Description	Supporting Features	Remarks and explanations
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)	<b>Supports</b>	AEM Forms does not include flashing content. If authors include content flashes, they need to ensure conformance to this success criterion.
<b>Guideline 2.4 Navigable:</b> Provide ways to help users navigate, find content, and determine 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)	<b>Supports</b>	AEM Forms does not have skip links, but provides landmark regions for assistive technologies.
2.4.2	Page Titled: Web pages have titles that describe topic or purpose. (Level A)	<b>Supports with exceptions</b>	AEM Forms provides descriptive page titles, with the following exceptions: <ul style="list-style-type: none"> <li>• The page title for both steps in creating an adaptive form has the generic title, "AEM Forms."</li> <li>• None of the IFrame elements have a title.</li> </ul>
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)	<b>Supports with exceptions</b>	The focus order in AEM Forms is sometimes unpredictable, including: <ul style="list-style-type: none"> <li>• Menu items not adjacent to the buttons of menu buttons.</li> <li>• Focus sometimes doesn't match the visual order.</li> <li>• Focus goes to non-interface elements that should not receive focus, like headings in dialogs.</li> <li>• Focus is sometimes reset to the start after completing an operation, such as deleting tags.</li> </ul>
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)	<b>Supports with exceptions</b>	The purpose of links in AEM Forms is determinable, with the following exceptions: <ul style="list-style-type: none"> <li>• None of the image links in the toolbars when editing forms have a link phrase.</li> </ul>



Criteria	Description	Supporting Features	Remarks and explanations
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)	<b>Supports</b>	AEM Forms provides multiple methods to locate content.
2.4.6	Headings and Labels: Headings and labels describe topic or purpose. (Level AA)	<b>Supports</b>	AEM Forms provides descriptive headings and labels.
2.4.7	Focus Visible: Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible. (Level AA)	<b>Supports with exceptions</b>	<p>AEM Document Services provides a visual indication for most elements with some exceptions:</p> <ul style="list-style-type: none"> <li>• Focus sometimes goes to non-interface elements, and cannot be seen visually.</li> <li>• The header and footer sometimes obscure focus in responsive mode.</li> <li>• There is no visual indication of focus in the image and edit toolbars when editing a form.</li> <li>• The visual indication of focus is sometimes faint, particularly on image links.</li> </ul>

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

Criteria	Description	Supporting Features	Remarks and explanations
<b>Guideline 3.1 Readable:</b> Make text content readable and understandable.			
3.1.1	Language of Page: The default human language of each Web page can be programmatically determined. (Level A)	<b>Supports with exceptions</b>	AEM Forms identifies the default language of the page with the following exception: <ul style="list-style-type: none"> <li>The language of the page is not identified in content included in an IFrame.</li> </ul>
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)	<b>Not applicable</b>	AEM Forms does not include changes in language in the content.
<b>Guideline 3.2 Predictable:</b> 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)	<b>Supports</b>	AEM Forms does not initiate a change of context on focus.
3.2.2	On Input: 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. (Level A)	<b>Supports</b>	AEM Forms does not initiate a change of context on input.
3.2.3	Consistent Navigation: 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. (Level AA)	<b>Supports</b>	Navigation mechanisms in AEM Forms are presented in a consistent manner.

Criteria	Description	Supporting Features	Remarks and explanations
3.2.4	Consistent Identification: Components that have the same functionality within a set of Web pages are identified consistently. (Level AA)	<b>Supports</b>	AEM Forms provides consistent identification of components
<b>Guideline 3.3 Input Assistance:</b> Help users avoid and correct mistakes.			
3.3.1	Error Identification: 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. (Level A)	<b>Does not support</b>	AEM Forms does provide error messages, but they are only revealed on mouse over and not programmatically associated with the form control in error.
3.3.2	Labels or Instructions: Labels or instructions are provided when content requires user input. (Level A)	<b>Supports</b>	AEM Forms provides labels or instructions for user input.
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)	<b>Not applicable</b>	Suggestions for input could not be known.
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.	<b>Not applicable</b>	AEM Forms does not include legal or financial data.

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

Criteria	Description	Supporting Features	Remarks and explanations
<b>Guideline 4.1 Compatible:</b> Maximize compatibility with current and future user agents, including assistive technologies.			
4.1.1	Parsing: 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. (Level A)	<b>Supports with exceptions</b>	AEM Forms contains a few minor parsing errors.
4.1.2	Name, Role, Value: 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. (Level A)	<b>Does not support</b>	AEM Forms includes several elements that do not expose the correct name, role, and values for assistive technologies. These include: <ul style="list-style-type: none"> <li>• Checkboxes in list view do not expose the correct role, state, or name.</li> <li>• Menu buttons with incorrect roles and structure.</li> <li>• The tree view in the browse tab of the left sidebar does not expose the correct role or state.</li> <li>• Some autocomplete widgets have an incorrect structure, and some do not expose the correct role or name.</li> <li>• Some buttons do not have a name.</li> </ul>