

Rulesets

The Functional Accessibility Evaluator and AInspector WCAG use the [OpenAjax Evaluation Library and Rulesets](#) (<https://github.com/ainspector/a11y-evaluation-library>). The OpenAjax Evaluation Library rules and rulesets and are based on the Level A and AA success criteria defined in [W3C Web Content Guidelines 2.0](#) (<https://www.w3.org/TR/WCAG20/>) using best practices for implementing accessibility defined in the [W3C ARIA Authoring Practices](#) (<https://w3c.github.io/aria-practices/>) and the [W3C ARIA in HTML](#) (<https://www.w3.org/TR/html-aria/>) specifications.

[HTML4 Legacy Techniques \(/rulesets/ruleset/ARIA_TRANS/\)](#)

► WCAG 2.0 Level A and AA requirements primarily using HTML4 techniques, but allows HTML5 and ARIA accessibility techniques.

[HTML5 and ARIA Techniques \(/rulesets/ruleset/ARIA_STRICT/\)](#)

► WCAG 2.0 Level A and AA requirements using ARIA and HTML5 accessibility features.

Ruleset Comparison

by Rule Categories (/rulesets/)

by WCAG 2.0 Success Criteria (/rulesets/wcag/)

Landmarks

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Landmark 1	main landmark: at least one (/rulesets/LANDMARK_1/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	-	Required
Landmark 10	navigation landmark: restrictions (/rulesets/LANDMARK_10/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 11	main landmark: must be top-level (/rulesets/LANDMARK_11/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 12	contentinfo landmark: must be top-level (/rulesets/LANDMARK_12/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 13	contentinfo landmark: restrictions (/rulesets/LANDMARK_13/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 14	search landmark: restrictions (/rulesets/LANDMARK_14/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Landmark 15	form landmark: restrictions (/rulesets/LANDMARK_15/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 16	region landmark must have accessible name (/rulesets/LANDMARK_16/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 17	Landmarks must be uniquely identifiable (/rulesets/LANDMARK_17/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 18	Landmarks must identify content regions (/rulesets/LANDMARK_18/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
Landmark 19	complementary landmark: must be top level (/rulesets/LANDMARK_19/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 2	All content must be contained in landmarks (/rulesets/LANDMARK_2/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	-	Required
Landmark 3	navigation landmark: at least one (/rulesets/LANDMARK_3/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	-	Required
Landmark 4	banner landmark: identifies branding content (/rulesets/LANDMARK_4/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	-	Required
Landmark 5	banner landmark: no more than one (/rulesets/LANDMARK_5/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Recommended	Required
Landmark 6	contentinfo landmark: identifies admin content (/rulesets/LANDMARK_6/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	-	Required
Landmark 7	contentinfo landmark: no more than one (/rulesets/LANDMARK_7/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Recommended	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Landmark 8	banner landmark: must be top-level (/rulesets/LANDMARK_8/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Landmark 9	banner landmark: restrictions (/rulesets/LANDMARK_9/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required

Headings

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Heading 1	Page must have .h1 element (/rulesets/HEADING_1/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Recommended	Recommended
Heading 2	h1 must be in main or banner landmark (/rulesets/HEADING_2/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Recommended	Recommended
Heading 3	Sibling headings must be unique (/rulesets/HEADING_3/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Recommended	Recommended
Heading 5	Headings must be properly nested (/rulesets/HEADING_5/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
Heading 6	Headings must have text content (/rulesets/HEADING_6/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Recommended
Heading 7	First landmark heading h2 (/rulesets/HEADING_7/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	-	Recommended
Heading 8	Headings nested in landmarks (/rulesets/HEADING_8/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	-	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Role 10	Overriding h1-h6 role semantics (/rulesets/ROLE_10/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required

Styles/Content

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Color 1	Text must exceed CCR threshold (/rulesets/COLOR_1/)	AA (WCAG 2.0 Level AA)	1.4.3 (https://www.w3.org/TR/WCAG21/#contrast-minimum)	Required	Required
Color 2	Use of color (/rulesets/COLOR_2/)	A (WCAG 2.0 Level A)	1.4.1 (https://www.w3.org/TR/WCAG21/#use-of-color)	Required	Required
Frame 1	frame must have accessible name (/rulesets/FRAME_1/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Required	Required
Frame 2	iframe must have accessible name (/rulesets/FRAME_2/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Required	Required
HTML 1	Replace b and i elements (/rulesets/HTML_1/)	A (WCAG 2.0 Level A)	4.1.1 (https://www.w3.org/TR/WCAG21/#parsing)	-	-
HTML 2	Replace marquee elements (/rulesets/HTML_2/)	A (WCAG 2.0 Level A)	2.3.1 (https://www.w3.org/TR/WCAG21/#three-flashes-or-below-threshold)	Required	Required
Language 1	Page must use language code (/rulesets/LANGUAGE_1/)	A (WCAG 2.0 Level A)	3.1.1 (https://www.w3.org/TR/WCAG21/#language-of-page)	Required	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Language 2	Identify language changes (/rulesets/LANGUAGE_2/)	AA (WCAG 2.0 Level AA)	3.1.2 (https://www.w3.org/TR/WCAG21/#language-of-parts)	Required	Required
Layout 2	Do not nest layout tables (/rulesets/LAYOUT_2/)	A (WCAG 2.0 Level A)	1.3.2 (https://www.w3.org/TR/WCAG21/#meaningful-sequence)	Recommended	Recommended
Layout 3	Verify aria-flowto supports reading order (/rulesets/LAYOUT_3/)	A (WCAG 2.0 Level A)	1.3.2 (https://www.w3.org/TR/WCAG21/#meaningful-sequence)	Required	Required
List 1	Use semantic markup for lists (/rulesets/LIST_1/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
List 2	Provide list labels when appropriate (/rulesets/LIST_2/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Recommended	Recommended
Order 1	Reading order: CSS positioning (/rulesets/ORDER_1/)	A (WCAG 2.0 Level A)	1.3.2 (https://www.w3.org/TR/WCAG21/#meaningful-sequence)	Required	Required
Resize 1	Resize text content (/rulesets/RESIZE_1/)	AA (WCAG 2.0 Level AA)	1.4.4 (https://www.w3.org/TR/WCAG21/#resize-text)	Required	Required
Role 1	main element role semantics. (/rulesets/ROLE_1/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 11	li element group item semantics (/rulesets/ROLE_11/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Recommended	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Role 2	body element role semantics. (/rulesets/ROLE_2/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 3	ol and ul role grouping semantics (/rulesets/ROLE_3/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Recommended	Required
Role 4	article element role semantics (/rulesets/ROLE_4/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 5	section element role semantics (/rulesets/ROLE_5/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 6	Do not override nav element semantics. (/rulesets/ROLE_6/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 7	aside element role semantics (/rulesets/ROLE_7/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 8	Do not override header element role. (/rulesets/ROLE_8/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Role 9	Do not override footer element role. (/rulesets/ROLE_9/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Sensory 1	Not only shape, size and location (/rulesets/SENSORY_1/)	A (WCAG 2.0 Level A)	1.3.3 (https://www.w3.org/TR/WCAG21/#sensory-characteristics)	Required	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Image 1	Images must have alt text (/rulesets/IMAGE_1/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required
Image 2	Alt text must summarize purpose (/rulesets/IMAGE_2/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required
Image 3	Alt text must not include filename (/rulesets/IMAGE_3/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required
Image 4 (English)	Alt text no more than 100 characters (/rulesets/IMAGE_4_EN/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Recommended	Recommended
Image 5	Verify image is decorative (/rulesets/IMAGE_5/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required
Image 6	Long description for complex images (/rulesets/IMAGE_6/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required
Image 7	Use MathML for mathematical expressions (/rulesets/IMAGE_7/)	A (WCAG 2.0 Level A)	1.1.1 (https://www.w3.org/TR/WCAG21/#non-text-content)	Required	Required

Links

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Focus 3	Target focus must be in content window (/rulesets/FOCUS_3/)	A (WCAG 2.0 Level A)	3.2.1 (https://www.w3.org/TR/WCAG21/#on-focus)	Required	Required
Link 1	Link text must describe the link target (/rulesets/LINK_1/)	A (WCAG 2.0 Level A)	2.4.4 (https://www.w3.org/TR/WCAG21/#link-purpose-in-context)	Required	Required
Link 2	Link text must be unique (/rulesets/LINK_2/)	A (WCAG 2.0 Level A)	2.4.4 (https://www.w3.org/TR/WCAG21/#link-purpose-in-context)	Recommended	Recommended

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Role 12	a[href] element role semantics (/rulesets/ROLE_12/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Recommended	Required

Tables

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Layout 1	Layout tables must have meaningful sequence (/rulesets/LAYOUT_1/)	A (WCAG 2.0 Level A)	1.3.2 (https://www.w3.org/TR/WCAG21/#meaningful-sequence)	Required	Required
Table 1	Data cells must have row/column headers (/rulesets/TABLE_1/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
Table 2	Data tables must have name (/rulesets/TABLE_2/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Recommended	Recommended
Table 3	Data tables must have description (/rulesets/TABLE_3/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Recommended
Table 4	Data tables must have unique names (/rulesets/TABLE_4/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
Table 5	Identify table markup as data or layout (/rulesets/TABLE_5/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Table 6	Header cells must be th elements (/rulesets/TABLE_6/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Recommended	Required
Table 7	Data cells must use headers attribute (/rulesets/TABLE_7/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	Required	Required
Table 8	Name must be different than description (/rulesets/TABLE_8/)	A (WCAG 2.0 Level A)	1.3.1 (https://www.w3.org/TR/WCAG21/#info-and-relationships)	-	Required

Forms

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Control 1	Form controls must have labels (/rulesets/CONTROL_1/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 10	Labels must be unique (/rulesets/CONTROL_10/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Required	Required
Control 11	Submit and reset button labels must be unique (/rulesets/CONTROL_11/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Required	Required
Control 2	Image button must have alt. content (/rulesets/CONTROL_2/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 3	Radio buttons must have grouping label (/rulesets/CONTROL_3/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 4	button s must have content (/rulesets/CONTROL_4/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 5	id must be unique (/rulesets/CONTROL_5/)	A (WCAG 2.0 Level A)	4.1.1 (https://www.w3.org/TR/WCAG21/#parsing)	Required	Required
Control 6	label must reference control (/rulesets/CONTROL_6/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 7	label must have content (/rulesets/CONTROL_7/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 8	fieldset must have one legend (/rulesets/CONTROL_8/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required
Control 9	Verify title is the label. (/rulesets/CONTROL_9/)	A (WCAG 2.0 Level A)	3.3.2 (https://www.w3.org/TR/WCAG21/#labels-or-instructions)	Required	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Error 1	Information on invalid values (/rulesets/ERROR_1/)	A (WCAG 2.0 Level A)	3.3.1 (https://www.w3.org/TR/WCAG21/#error-identification)	Required	Required
Error 2	Required form controls (/rulesets/ERROR_2/)	AA (WCAG 2.0 Level AA)	3.3.3 (https://www.w3.org/TR/WCAG21/#error-suggestion)	Required	Required
Error 4	Error correction suggestions (/rulesets/ERROR_4/)	AA (WCAG 2.0 Level AA)	3.3.3 (https://www.w3.org/TR/WCAG21/#error-suggestion)	Required	Required
Error 5	Prevent errors (/rulesets/ERROR_5/)	AA (WCAG 2.0 Level AA)	3.3.4 (https://www.w3.org/TR/WCAG21/#error-prevention-legal-financial-data)	Required	Required
Focus 4	select must not change context (/rulesets/FOCUS_4/)	A (WCAG 2.0 Level A)	3.2.2 (https://www.w3.org/TR/WCAG21/#on-input)	Required	Required
Focus 5	Forms submitted using buttons (/rulesets/FOCUS_5/)	A (WCAG 2.0 Level A)	3.2.2 (https://www.w3.org/TR/WCAG21/#on-input)	Required	Required
Focus 6	checkbox/radio buttons changing context. (/rulesets/FOCUS_6/)	A (WCAG 2.0 Level A)	3.2.2 (https://www.w3.org/TR/WCAG21/#on-input)	-	-
Role 13	select element role semantics (/rulesets/ROLE_13/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Role 14	textarea element role semantics (/rulesets/ROLE_14/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required

Widgets/Scripts

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Error 3	Required widgets (/rulesets/ERROR_3/)	AA (WCAG 2.0 Level AA)	3.3.3 (https://www.w3.org/TR/WCAG21/#error-suggestion)	-	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
HTML 3	Role is not allowed (/rulesets/HTML_3/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 1	Widgets must have label (/rulesets/WIDGET_1/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 10	Value in range (/rulesets/WIDGET_10/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 11	Elements with event handlers must have roles (/rulesets/WIDGET_11/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 12	Widget labels must be descriptive (/rulesets/WIDGET_12/)	AA (WCAG 2.0 Level AA)	2.4.6 (https://www.w3.org/TR/WCAG21/#headings-and-labels)	Required	Required
Widget 13	Role does not support accessible name. (/rulesets/WIDGET_13/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Recommended	Required
Widget 14	Verify appropriate use of live region (/rulesets/WIDGET_14/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 15	Remove deprecated ARIA attributes. (/rulesets/WIDGET_15/)	A (WCAG 2.0 Level A)	4.1.1 (https://www.w3.org/TR/WCAG21/#parsing)	Recommended	Recommended
Widget 16	Custom element requires manual check. (/rulesets/WIDGET_16/)	A (WCAG 2.0 Level A)	2.1.1 (https://www.w3.org/TR/WCAG21/#keyboard)	Required	Required
Widget 2	onClick event handlers must have role (/rulesets/WIDGET_2/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	-	Required
Widget 3	role must be valid (/rulesets/WIDGET_3/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Widget 4	ARIA values must be valid (/rulesets/WIDGET_4/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 5	Attributes that start with aria- must be defined. (/rulesets/WIDGET_5/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 6	Widgets must have properties (/rulesets/WIDGET_6/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 7	Widgets must have owned elements (/rulesets/WIDGET_7/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 8	Role must have parent (/rulesets/WIDGET_8/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required
Widget 9	Only one owner (/rulesets/WIDGET_9/)	A (WCAG 2.0 Level A)	4.1.2 (https://www.w3.org/TR/WCAG21/#name-role-value)	Required	Required

Audio/Video

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Audio 1	audio must have alternative (/rulesets/AUDIO_1/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Audio 2	object for audio must have alternative (/rulesets/AUDIO_2/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Audio 3	embed for audio must have alternative (/rulesets/AUDIO_3/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Audio 4	Pause, stop or mute audio (/rulesets/AUDIO_4/)	A (WCAG 2.0 Level A)	1.4.2 (https://www.w3.org/TR/WCAG21/#audio-control)	Required	Required

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Video 1	_video_ for video only must have alternative (/rulesets/VIDEO_1/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Video 2	_object_ for video only must have alternative (/rulesets/VIDEO_2/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Video 3	_embed_ for video only must have alternative (/rulesets/VIDEO_3/)	A (WCAG 2.0 Level A)	1.2.1 (https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded)	Required	Required
Video 4	_video_ must have caption (/rulesets/VIDEO_4/)	A (WCAG 2.0 Level A)	1.2.2 (https://www.w3.org/TR/WCAG21/#captions-prerecorded)	Required	Required
Video 5	_object_ for video must have captions (/rulesets/VIDEO_5/)	A (WCAG 2.0 Level A)	1.2.2 (https://www.w3.org/TR/WCAG21/#captions-prerecorded)	Required	Required
Video 6	_embed_ for video must have captions (/rulesets/VIDEO_6/)	A (WCAG 2.0 Level A)	1.2.2 (https://www.w3.org/TR/WCAG21/#captions-prerecorded)	Required	Required
Video 7	_video_ element must have audio description. (/rulesets/VIDEO_7/)	A (WCAG 2.0 Level A)	1.2.3 (https://www.w3.org/TR/WCAG21/#audio-description-or-media-alternative-prerecorded)	Required	Required
Video 8	_object_ for video must have audio description. (/rulesets/VIDEO_8/)	A (WCAG 2.0 Level A)	1.2.3 (https://www.w3.org/TR/WCAG21/#audio-description-or-media-alternative-prerecorded)	Required	Required
Video 9	_embed_ for video must have audio description (/rulesets/VIDEO_9/)	A (WCAG 2.0 Level A)	1.2.3 (https://www.w3.org/TR/WCAG21/#audio-description-or-media-alternative-prerecorded)	Required	Required

Keyboard

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Bypass 1	Skip to main content link (/rulesets/BYPASS_1/)	A (WCAG 2.0 Level A)	2.4.1 (https://www.w3.org/TR/WCAG21/#bypass-blocks)	Recommended	Recommended

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Focus 1	Focus order must be meaningful (/rulesets/FOCUS_1/)	A (WCAG 2.0 Level A)	2.4.3 (https://www.w3.org/TR/WCAG21/#focus-order)	Required	Required
Focus 2	Focus must be visible (/rulesets/FOCUS_2/)	AA (WCAG 2.0 Level AA)	2.4.7 (https://www.w3.org/TR/WCAG21/#focus-visible)	Required	Required
Keyboard 1	Widget roles require keyboard support (/rulesets/KEYBOARD_1/)	A (WCAG 2.0 Level A)	2.1.1 (https://www.w3.org/TR/WCAG21/#keyboard)	Required	Required
Keyboard 2	Interactive functionality must be keyboard operable (/rulesets/KEYBOARD_2/)	A (WCAG 2.0 Level A)	2.1.1 (https://www.w3.org/TR/WCAG21/#keyboard)	Required	Required
Keyboard 3	No keyboard trap (/rulesets/KEYBOARD_3/)	A (WCAG 2.0 Level A)	2.1.2 (https://www.w3.org/TR/WCAG21/#no-keyboard-trap)	Required	Required

Timing

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Timing 1	Control time limits (/rulesets/TIMING_1/)	A (WCAG 2.0 Level A)	2.2.1 (https://www.w3.org/TR/WCAG21/#timing-adjustable)	Required	Required
Timing 2	Control moving, blinking or auto-updating content (/rulesets/TIMING_2/)	A (WCAG 2.0 Level A)	2.2.2 (https://www.w3.org/TR/WCAG21/#pause-stop-hide)	Required	Required
Timing 3	Flashing limits (/rulesets/TIMING_3/)	A (WCAG 2.0 Level A)	2.3.1 (https://www.w3.org/TR/WCAG21/#three-flashes-or-below-threshold)	Required	Required

Site Navigation

Rule ID	Summary	Level	SC	HTML4 Legacy Techniques	HTML5 and ARIA Techniques
Navigation 1	At least two ways of finding content (/rulesets/NAVIGATION_1/)	AA (WCAG 2.0 Level AA)	2.4.5 (https://www.w3.org/TR/WCAG21/#multiple-ways)	Recommended	Required
Navigation 2	Consistent ordering of landmarks (/rulesets/NAVIGATION_2/)	AA (WCAG 2.0 Level AA)	3.2.3 (https://www.w3.org/TR/WCAG21/#consistent-navigation)	Recommended	Required
Navigation 3	Consistent ordering of h1 and h2 labels (/rulesets/NAVIGATION_3/)	AA (WCAG 2.0 Level AA)	3.2.3 (https://www.w3.org/TR/WCAG21/#consistent-navigation)	Required	Required
Navigation 4	Consistent labeling of landmarks (/rulesets/NAVIGATION_4/)	AA (WCAG 2.0 Level AA)	3.2.4 (https://www.w3.org/TR/WCAG21/#consistent-identification)	Recommended	Required
Navigation 5	Consistent h1 and h2 page section labels (/rulesets/NAVIGATION_5/)	AA (WCAG 2.0 Level AA)	3.2.4 (https://www.w3.org/TR/WCAG21/#consistent-identification)	Required	Required
Title 1	title must identify website and page (/rulesets/TITLE_1/)	A (WCAG 2.0 Level A)	2.4.2 (https://www.w3.org/TR/WCAG21/#page-titled)	Required	Required
Title 2	h1 must match part of the title (/rulesets/TITLE_2/)	A (WCAG 2.0 Level A)	2.4.2 (https://www.w3.org/TR/WCAG21/#page-titled)	-	-