



Institute of Electrical and Electronics Engineers Inc (IEEE) Accessibility Conformance Report WCAG Edition

(Based on VPAT[®] Version 2.5)

Name of Product/Version:

Institute of Electrical and Electronics Engineers Inc (IEEE)

Report Date:

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Product Description:

IEEE *Xplore* Digital Library

Contact Information:

Rick Blount

r.blount@ieee.org

Notes:

This report was initially created by Deque Systems Inc. upon completion of an accessibility evaluation performed between March 2024 and June 2024 and modified by IEEE staff in January 2025.

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Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.2	Level A (Yes) Level AA (Yes) Level AAA (No)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG Level AAA criteria.

WCAG 2.2 Report

Note: When reporting on conformance with the WCAG 2.2 Success Criteria, the criteria are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.2 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	All content has text alternatives or a text alternate that serves an equivalent purpose.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	Pre-recorded audio only and video only content has alternative text.
1.2.2 Captions (Prerecorded) (Level A)	Partially Supports	Most prerecorded videos have captions. Transcripts are available upon request.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Partially Supports	Most prerecorded multimedia files containing essential information that is only conveyed visually have either a full-text alternative describing the important visual details or an audio description track with exceptions.
1.3.1 Info and Relationships (Level A)	Partially Supports	Most information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text with exceptions.
1.3.2 Meaningful Sequence (Level A)	Partially Supports	The reading and navigation order of most content is logical and intuitive.
1.3.3 Sensory Characteristics (Level A)	Supports	Instructions to operate and/or understand content do not rely on sensory characteristics of components such as shape, color, size, visual location.
1.4.1 Use of Color (Level A)	Partially Supports	For most content, color is not used as the only method to convey information, indicate an action, prompt a response, or distinguish visual elements with exceptions.

Criteria	Conformance Level	Remarks and Explanations
1.4.2 Audio Control (Level A)	Supports	A mechanism is provided to stop, pause, mute, or adjust volume for audio that automatically plays for more than 3 seconds.
2.1.1 Keyboard (Level A)	Partially Supports	On most pages, all functionality is available using only the keyboard (unless that functionality cannot be accomplished in any known way using a keyboard). If shortcut keys and access keys present, some may conflict with existing browser and screen reader shortcuts, and some functionality based on custom gestures may not be available when a screen reader is turned on with exceptions.
2.1.2 No Keyboard Trap (Level A)	Supports	Keyboard focus is never locked or trapped in a particular area, and the user is able to navigate to and from all navigable elements using only a keyboard.
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Supports	If a single character key shortcut exists, then the single character key shortcut can be turned off or remapped, or it is only active when the relevant user interface component is in focus.
2.2.1 Timing Adjustable (Level A)	Partially Supports	In most cases when a time limit exists, the user is given an option to turn off, adjust, or extend the time limit with exceptions.
2.2.2 Pause, Stop, Hide (Level A)	Supports	Moving, blinking, scrolling, or auto-updating information can be paused, stopped, hidden, or otherwise controlled by the user.
2.3.1 Three Flashes or Below Threshold (Level A)	Not Applicable	The tested application does not contain flashing content.
2.4.1 Bypass Blocks (Level A)	Supports	A method is provided to skip navigation and other page elements that are repeated across web pages.
2.4.2 Page Titled (Level A)	Supports	All pages have titles.

Criteria	Conformance Level	Remarks and Explanations
2.4.3 Focus Order (Level A)	Partially Supports	The navigation order of most interactive elements (such as links, buttons, or form elements) is logical and preserves meaning and operability with exceptions.
2.4.4 Link Purpose (In Context) (Level A)	Partially Supports	The purpose of most links can be determined from the link text alone or from the link text and its programmatic context with exceptions.
2.5.1 Pointer Gestures (Level A 2.1 and 2.2)	Supports	All functionality that can be operated with a pointer can be operated with single-point actions.
2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)	Supports	For functionality that can be operated using a single-pointer at least one of the following is true: no down-event, abort/undo, up reversal or essential.
2.5.3 Label in Name (Level A 2.1 and 2.2)	Partially Supports	For most user interface components that include visible text labels, the accessible name matches (or includes) the visible text in the label with exceptions.
2.5.4 Motion Actuation (Level A 2.1 and 2.2)	Not Applicable	The tested application does not contain Functionality that can be triggered by device motion.
3.1.1 Language of Page (Level A)	Supports	The language of each page is correct and can be determined programmatically.
3.2.1 On Focus (Level A)	Supports	When an element receives focus, a change in context (such as a substantial change to the page, the spawning of a pop-up window, or a change in focus) that may disorient the user does not occur.
3.2.2 On Input (Level A)	Supports	When a user inputs information or interacts with a control, it does not result in a substantial change to the page that could disorient the user unless the user is informed about the change ahead of time.
3.2.6 Consistent Help (Level A 2.2 only)	Supports	Help mechanism which is repeated on multiple web pages occur in the same relative order to other page content.

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A)	Partially Supports	For most form controls where an input error is automatically detected, a text message or alert is provided that identifies the field/control where the error was detected and describes the error with exceptions.
3.3.2 Labels or Instructions (Level A)	Partially Supports	For most form controls/input fields requiring user input, labels, instructions, and/or error messages are provided to identify the controls/input fields in the form so that users know what input data is expected with exceptions.
3.3.7 Redundant Entry (Level A 2.2 only)	Supports	Information previously entered or provided by the user is not required to be entered again in the same process.
4.1.1 Parsing (Level A)	Supports	For the WCAG 2.0, 2.1, EN 301 549, and Revised 508 Standards, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata and the WCAG 2.1 Editorial Errata . This criterion was removed from WCAG 2.2.
4.1.2 Name, Role, Value (Level A)	Partially Supports	The name, role, state, and value of most user interface components can be programmatically determined with exceptions.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	Live multimedia files with audio are not present, so synchronized captions are not required.
1.2.5 Audio Description (Prerecorded) (Level AA)	Partially Supports	Most prerecorded multimedia files have audio descriptions where necessary with exceptions.

Criteria	Conformance Level	Remarks and Explanations
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	Orientation of the content is not locked to either landscape or portrait unless a specific orientation is essential for the functionality.
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Partially Supports	The purpose of most input fields that collect an individual's personal data are programmatically defined based on the WCAG list of Input Purposes for User Interface Components with exceptions.
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	Most text and images of regular text have the required color contrast ratio with their backgrounds with exceptions.
1.4.4 Resize text (Level AA)	Partially Supports	Most content is readable and functional when browser zoom is set to 200% of its initial size with exceptions.
1.4.5 Images of Text (Level AA)	Partially Supports	On most pages, when content can be presented visually using only text, an image of text is not used to present that text with exceptions.
1.4.10 Reflow (Level AA 2.1 and 2.2)	Partially Supports	The content of most pages is viewable without scrolling horizontally when the viewport is set to 320 CSS pixels wide with exceptions.
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Partially Supports	Most of the boundaries and indicators of the visual state(s) of each active user component and any graphics required to understand content have a 3:1 color contrast ratio with adjacent color(s) or their background with exceptions.
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Partially Supports	For most content, the spacing between letters, words, lines of text and paragraphs can be adjusted with no loss of content or functionality with exceptions.

Criteria	Conformance Level	Remarks and Explanations
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Partially Supports	In most cases when additional content is triggered by pointer hover or keyboard focus, that additional content can be dismissed and hovered over, and the content persists until the user dismisses it with exceptions.
2.4.5 Multiple Ways (Level AA)	Supports	Multiple ways are available to find other pages on the site.
2.4.6 Headings and Labels (Level AA)	Partially Supports	Most headings and labels for form and interactive controls are informative with exceptions.
2.4.7 Focus Visible (Level AA)	Partially Supports	In most cases, it is visually apparent which page element is currently receiving keyboard focus with exceptions.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Supports	When a user interface component receives keyboard focus, the component is not entirely hidden due to author-created content.
2.5.7 Dragging Movements (Level AA 2.2 only)	Not Applicable	No functionality is present that uses a dragging movement for operation.
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	The size of the target for pointer inputs is at least 24 by 24 CSS pixels.
3.1.2 Language of Parts (Level AA)	Supports	The language of each section of content that is different from the default language of the page is correctly identified and can be determined programmatically.
3.2.3 Consistent Navigation (Level AA)	Supports	Navigation patterns that are repeated on web pages are presented in the same relative order each time they appear and do not change order when navigating through the site.
3.2.4 Consistent Identification (Level AA)	Supports	Labels, names, and text alternatives for content that have the same functionality across multiple web pages are consistently identified.

Criteria	Conformance Level	Remarks and Explanations
3.3.3 Error Suggestion (Level AA)	Supports	If input errors are automatically detected, suggestions are provided in text for correcting the input in a timely and accessible manner before the data is submitted to the server.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	If the user can change or delete legal transactions, financial transactions, student exam responses, or data transactions that are unrecoverable or unintentionally modify or delete data, the changes and/or deletions are reversible, verified, or confirmed.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Supports	A cognitive function test (such as remembering a password or solving a puzzle) is not required for any step in the authentication process.
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Partially Supports	In most cases, status messages can be programmatically determined and presented by assistive technologies without receiving focus with exceptions.

Table 3: Success Criteria, Level AAA

Notes: Level AAA success criteria are not within the scope of this conformance evaluation.

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IEEE strives to ensure that IEEE *Xplore* (ieeexplore.ieee.org) provides the best possible experience for all users. Our accessibility efforts are informed by Section 508 of the United States Rehabilitation Act and the Web Content Accessibility Guidelines 2.2 (WCAG 2.2) from the Worldwide Web Consortium (W3C).