VPAT Accessibility Conformance Report

(Based on ITI VPAT©)

|  |  |
| --- | --- |
| **Name of Product** | **ScienceDirect AI** |
| **Date Last Updated** | **August 25, 2025** |
| Completed by | **Jean Ducrot** (Elsevier Digital Accessibility Team) |
| **Applicable Standards/Guidelines** | This document rates ScienceDirect AI according to the [W3C WCAG 2.1 A and AA](https://www.w3.org/TR/WCAG21/) requirements. |
| **Contact for More Information** | Elsevier Digital Accessibility Team [accessibility@elsevier.com](mailto:accessibility@elsevier.com?subject=Accessibility%20and%20Shadow%20Health) |
| **Testing Tools and Methods** | * **Hands-on keyboard operation** * **DevTools/Code inspection** * **Chrome 139 on Windows 11** * **NVDA screen reader 2024.1** * **ARC Toolkit Browser Extension** * **HeadingsMap Browser Extension** * **Taba11y Browser Extension** * **Color Contrast Analyzer** * [W3C Web Accessibility Initiative (WAI) Pages](https://www.w3.org/WAI/) * [Elsevier WCAG 2.1 AA Accessibility Checklist](http://romeo.elsevier.com/accessibility_checklist/) |
| **Document Sections** | This review document includes all WCAG 2.1 A and AA checkpoints, organized into 7 logical sections:   * Visuals * Keyboard * Headings and Structure * Labeling * Multimedia * Usability * Mobile User Experience |
| **Pages Covered** | * ScienceDirect AI Search Page * ScienceDirect AI Compare Experiments Page |
| **Terms** | * **Supports: The functionality of the product has at least one method that meets the criteria without known defects or meets with equivalent facilitation.** * **Partially supports: Some functionality of the product does not meet the criteria.** * **Does not support: Majority of functionality of the product does not meet the criteria.** * **Supports (N/A): According to W3C on conformance, "If there is no content to which a success criterion applies, the success criterion is satisfied."** |
| **Notes/Terminology** | * **“AT” stands for Assistive Technology such as screen readers, voice input, etc.** |

## Conformance Summary

| **WCAG 2.1 Success Criterion** | **Level** | **Evaluation** |
| --- | --- | --- |
| 1.1.1: Non-text Content | A | Partially supports |
| 1.2.1: Audio-only and Video-only (Prerecorded) | A | Supports (N/A) |
| 1.2.2: Captions (Prerecorded) | A | Supports (N/A) |
| 1.2.3: Audio Description or Full Text Alternative | A | Supports (N/A) |
| 1.2.4: Captions (Live) | AA | Supports (N/A) |
| 1.2.5: Audio Description | AA | Supports (N/A) |
| 1.3.1: Info and Relationships | A | Partially supports |
| 1.3.2: Meaningful Sequence | A | Supports |
| 1.3.3: Sensory Characteristics | A | Supports |
| 1.3.4: Orientation (2.1) | AA | Supports |
| 1.3.5: Identify Input Purpose (2.1) | AA | Supports (N/A) |
| 1.4.1: Use of Color | A | Partially supports |
| 1.4.2: Audio Control | A | Supports (N/A) |
| 1.4.3: Contrast (Minimum) | AA | Supports |
| 1.4.4: Resize text | AA | Supports |
| 1.4.5: Images of Text | AA | Supports (N/A) |
| 1.4.10: Reflow (2.1) | AA | Partially supports |
| 1.4.11: Non-Text Contrast (2.1) | AA | Partially supports |
| 1.4.12: Text Spacing (2.1) | AA | Supports |
| 1.4.13: Content on Hover or Focus (2.1) | AA | Supports |
| 2.1.1: Keyboard | A | Supports |
| 2.1.2: No Keyboard Trap | A | Supports |
| 2.1.4: Character Key Shortcuts (2.1) | A | Supports (N/A) |
| 2.2.1: Timing Adjustable | A | Supports |
| 2.2.2: Pause, Stop, Hide | A | Supports (N/A) |
| 2.3.1: Three Flashes or Below Threshold | A | Supports (N/A) |
| 2.4.1: Bypass Blocks | A | Partially supports |
| 2.4.2: Page Titled | A | Does not support |
| 2.4.3: Focus Order | A | Partially supports |
| 2.4.4: Link Purpose (In Context) | A | Supports |
| 2.4.5: Multiple Ways | AA | Supports (N/A) |
| 2.4.6: Headings and Labels | AA | Supports |
| 2.4.7: Focus Visible | AA | Partially supports |
| 2.5.1: Pointer Gestures (2.1) | A | Supports (N/A) |
| 2.5.2: Pointer Cancellation (2.1) | A | Supports |
| 2.5.3: Label in Name (2.1) | A | Supports |
| 2.5.4: Motion Actuation (2.1) | A | Supports (N/A) |
| 3.1.1: Language of Page | A | Supports |
| 3.1.2: Language of Parts | AA | Partially supports |
| 3.2.1: On Focus | A | Supports |
| 3.2.2: On Input | A | Partially supports |
| 3.2.3: Consistent Navigation | AA | Supports |
| 3.2.4: Consistent Identification | AA | Supports |
| 3.3.1: Error Identification | A | Does not support |
| 3.3.2: Labels or Instructions | A | Supports |
| 3.3.3: Error Suggestion | AA | Supports |
| 3.3.4: Error Prevention (Legal, Financial, Data) | AA | Supports (N/A) |
| 4.1.1: Parsing | A | Supports |
| 4.1.2: Name, Role, Value | A | Partially supports |
| 4.1.3: Status Messages (2.1) | AA | Partially supports |

## WCAG 2.1 A and AA Success Criteria

### Visuals

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.1.1: Non-Text Content](https://www.w3.org/TR/WCAG21/#non-text-content) (A) Provide text alternatives for non-text content (e.g. images) | Partially supports | Most images and icons have appropriate text equivalents.  Exceptions:   * AI Search Page - Search summary steps: Checkmark icons lack alternative text, preventing non-sighted users from knowing that the step is complete. * AI Search Page - Help Section Multilingual Support Center Links: The words "support center" in languages other than English are not consistently announced by screen readers, potentially causing confusion for users. |
| [1.3.3: Sensory Characteristics](https://www.w3.org/TR/WCAG21/#sensory-characteristics) (A) Do not rely on sensory characteristics of components such as shape, size, visual location, orientation, or sound | Supports | All instructions and content are presented in a way that does not rely solely on sensory characteristics. |
| [1.4.1: Use of Color](https://www.w3.org/TR/WCAG21/#use-of-color) (A) Color is not used as the only visual means of conveying info | Partially supports | In most cases, when color is used to convey information, an additional visual indicator is provided to ensure the information is accessible without relying on color alone.  Exceptions:   * AI Search Page - Reference links throughout answer summary: Links are distinguishable from surrounding text solely by color, making them difficult for some users to identify. |
| [1.4.3: Color Contrast (Minimum)](https://www.w3.org/TR/WCAG21/#contrast-minimum) (AA) Text has enough contrast with the background (4.5:1 for small text and 3:1 for large text) | Supports | Text maintains sufficient contrast with its background throughout this module. |
| [1.4.4: Resize Text](https://www.w3.org/TR/WCAG21/#resize-text) (AA)  Text can be enlarged up to 200% without loss of functionality. | Supports | Text can be enlarged up to 200% without loss of content or functionality throughout this module. |
| [1.4.5: Images of Text](https://www.w3.org/TR/WCAG21/#images-of-text) (AA) Text is used rather than images of text, except where the presentation of text is essential, such as logos | Supports (N/A) | No images of text are used, except for logos or when essential for presentation. |
| [1.4.10: Reflow](https://www.w3.org/TR/WCAG21/#reflow) (AA) Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:   * Vertical scrolling content at a width equivalent to 320 CSS pixels; * Horizontal scrolling content at a height equivalent to 256 CSS pixels.. | Partially supports | In most cases, pages can be zoomed to 400% without requiring horizontal scrolling or resulting in any loss of functionality or content.  Exceptions:   * AI Search Page - Entire page content: Page content is difficult to read when zoomed in to 400%, hindering accessibility for users with low vision. * Compare Experiments Page - Compare results table: The table content becomes difficult to navigate and read when the page is zoomed in to 400% on desktop, limiting accessibility for users with low vision. |
| [1.4.11: Non-Text Contrast](https://www.w3.org/TR/WCAG21/#non-text-contrast) (AA)  User interface components and graphical objects have a contrast ratio of at least 3:1 against adjacent color(s). | Partially supports | Nearly all non-text UI components and graphical objects maintain a contrast ratio of at least 3:1 against adjacent colors.  Exceptions:   * AI Search Page - Include Scopus abstracts toggle button: When the toggle button is in the off position, the dot inside it lacks sufficient contrast with its surrounding area, making it difficult to distinguish. |
| [1.4.12: Text Spacing](https://www.w3.org/TR/WCAG21/#text-spacing) (AA)  In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all the following and by changing no other style property:   * Line height (line spacing) to at least 1.5 times the font size; * Spacing following paragraphs to at least 2 times the font size; * Letter spacing (tracking) to at least 0.12 times the font size; * Word spacing to at least 0.16 times the font size. | Supports | Users can adjust text spacing on all pages to meet minimum baseline requirements without any loss of content or functionality. |
| [1.4.13: Content on Hover or Focus](https://www.w3.org/TR/WCAG21/#content-on-hover-or-focus) (AA)  Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:   * Dismissible * Hoverable * Persistent | Supports | All hoverable content is consistently accessible to users navigating with either a mouse or a keyboard. |
| [2.3.1: Three Flashes or Below Threshold](https://www.w3.org/TR/WCAG21/#three-flashes-or-below-threshold) (A) No more than three flashes in a 1-second period, or the flashes are below the defined thresholds | Supports (N/A) | No flashing content exists within this module. |

### Keyboard

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.3.2: Meaningful Sequence](https://www.w3.org/TR/WCAG21/#meaningfuusequence) (A)  The correct reading sequence can be programmatically determined | Supports | The reading sequence is logical and programmatically determinable, with the DOM order matching the visual order throughout this module. |
| [2.1.1: Keyboard](https://www.w3.org/TR/WCAG21/#keyboard) (A)  All functionality is available from a keyboard, except for tasks such as drawing | Supports | All content and functionality are fully operable using a keyboard throughout this module. |
| [2.1.2: No Keyboard Trap](https://www.w3.org/TR/WCAG21/#no-keyboard-trap) (A)  The user can use the keyboard to move through page elements and is not trapped on a particular element | Supports | There are no keyboard traps in this module. |
| [2.1.4: Character Key Shortcuts](https://www.w3.org/TR/WCAG21/#character-key-shortcuts) (A)  If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true:   * Turn off * Remap * Active only on focus | Supports (N/A) | This module does not offer any character key shortcuts. |
| [2.4.3: Focus Order](https://www.w3.org/TR/WCAG21/#focus-order) (A)  Users can tab through the elements of a page in a logical order | Partially supports | The tab order is logical throughout this module and, in most cases, maintains both the meaning and operability of the content.  Exceptions:   * AI Search Page - How it works buttons: Buttons labeled "how it works" open dialogs, but when the dialogs are closed, keyboard focus is not returned to the button that triggered them. * Compare Experiments Page - "How relevant is this response" feedback buttons: Keyboard focus is not returned to the appropriate location after the feedback rating dialog is closed. * Compare Experiments Page - How it works buttons: Buttons labeled "how it works" open dialogs, but when the dialogs are closed, keyboard focus is not returned to the button that triggered them. |
| [2.4.7: Focus Visible](https://www.w3.org/TR/WCAG21/#focus-visible) (AA)  The page element with the current keyboard focus has a visible focus indicator | Partially supports | Most elements in this module display a consistently visible indicator when they receive keyboard focus.  Exceptions:   * AI Search Page - Search answer summary container: The search summary is presented in a focusable container that lacks both an accessible name and a visible focus indicator when it receives keyboard focus. |
| [3.2.1: On Focus](https://www.w3.org/TR/WCAG21/#on-focus) (A)  When a UI component receives focus, this does not trigger unexpected actions. | Supports | None of the focusable elements in this module trigger unexpected actions or changes of context when they receive focus. |

### Headings and Structure

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.3.1: Information and Relationships](https://www.w3.org/TR/WCAG21/#info-and-relationships) (A)  Info, structure, and relationships can be programmatically determined | Partially supports | Most content is well-organized using semantic structure and clear relationships. Headings follow a logical order that reflects the page’s organization and are programmatically determinable on most pages. Lists are typically marked up correctly, and most input elements have labels that are accessible to assistive technologies.  Exceptions:   * AI Search Page - Help menu: Multiple lists containing only a single element each are used instead of a single list with multiple elements. * AI Search Page - Summary steps section: Summary steps are not structured using semantic list elements. * AI Search Page - Collapsible reference sections: Content is organized in two-column tables without headings, making navigation unnecessarily difficult for screen reader users. * AI Search Page - Headings in collapsible reference sections: When reference sections are expanded, they introduce invisible headings that do not aid in understanding the document structure. * AI Search Page - Reference links at the end of the answer summary: Links are visually presented as a list but are not structured using semantic list elements, making them less accessible to screen reader users. * AI Search Page - "How relevant is this response" feedback buttons: Buttons are not semantically grouped, and the group lacks an accessible name that matches its visible label. * AI Search Page - Provide feedback button at the bottom of the search results page: The provided feedback button triggers a modal, but lacks semantic information to inform assistive technology users that a modal will appear when the button is pressed. * AI Search Page - Show AI menu, view more option submenu: The menu’s list of links is not structured using semantic list elements, making it less accessible to screen reader users. * AI Search Page - Show AI Menu: The current page link is visually indicated but lacks semantic identification, and is disabled in a way that is not accessible to non-sighted users. * AI Search Page - Show AI Menu: The menu’s list of links is not structured using semantic list elements, making it less accessible to screen reader users. * AI Search Page - "How relevant is this response" feedback buttons: Feedback buttons do not include a semantic attribute to indicate their visual state, making it unclear to screen reader users whether the button is active or inactive. * AI Search Page - Show AI Menu Button: The button’s accessible name and state both change when toggled, which can cause confusion for screen reader users. * Compare Experiments Page - "How relevant is this response" feedback buttons: Buttons are not semantically grouped, and the group lacks an accessible name that matches its visible label. |
| [2.4.1: Bypass Blocks](https://www.w3.org/TR/WCAG21/#bypass-blocks) (A)  Users can bypass repeated blocks of content. | Partially supports | Each page includes a “Skip to Main Content” link. On most pages, a logical heading order and the use of landmarks to define content regions enable assistive technology users to easily navigate to different sections of the content.  Exceptions:   * AI Search Page - Bottom of search results page: Keyboard users have no mechanism to quickly return to the top of the page where the question input is located after reading through an answer. |
| [2.4.6: Headings and Labels](https://www.w3.org/TR/WCAG21/#headings-and-labels) (AA)  Headings and labels are clear and consistent. | Supports | Headings and labels used are clear and descriptive throughout this module. |
| [3.1.1: Language of Page](https://www.w3.org/TR/WCAG21/#language-of-page) (A)  The language of the page is specified | Supports | The default page language is correctly set as English. |
| [3.1.2: Language of Parts](https://www.w3.org/TR/WCAG21/#language-of-parts) (AA)  Specify the language of text passages that are in a different language than the default language of the page. | Partially supports | When a question is asked in a language other than English, the response is provided in that language; however, the language of the response is not correctly identified semantically.  Exceptions:   * AI Search Page - Suggested follow up questions in "Ask Another Question" section: When the original question is asked in a language other than English, follow-up questions are displayed in that language without semantic identification. * AI Search Page - Answer content: When a question is asked in a language other than English, the answer is automatically provided in that language but lacks correct semantic identification. |
| [4.1.1: Parsing](https://www.w3.org/TR/WCAG21/#parsing) (A)  Use valid, error-free HTML | Supports | The HTML and CSS code in this module are free of parsing errors that could cause accessibility issues, aside from those already identified in this document. |

### Labeling

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.3.5: Identify Input Purpose](https://www.w3.org/TR/WCAG21/#identify-input-purpose) (AA)  The purpose of each input field collecting information about the user can be programmatically determined when:   * The input field serves a purpose identified in the Input Purposes for User Interface Components section; and * The content is implemented using technologies with support for identifying the expected meaning for form input data. | Supports (N/A) | There are no pages within this module that collect user information. |
| [2.4.2: Page Titled](https://www.w3.org/TR/WCAG21/#page-titled) (A)  The page has a title describing its topic or purpose | Does not support | All pages in this module have the same generic title.  Exceptions:   * AI Search Page - Page title: The app opens content in multiple tabs, but each tab has the identical title "ScienceDirect AI", making it difficult for users to distinguish between them. |
| [2.4.4: Link Purpose (In Context)](https://www.w3.org/TR/WCAG21/#link-purpose-in-context) (A)  The purpose of each link can be determined from the link text or surrounding context. | Supports | The purpose of each link can be determined from its link text or the surrounding context. |
| [2.5.3: Label in Name](https://www.w3.org/TR/WCAG21/#label-in-name) (A)  For user interface components with labels that include text or images of text, the name contains the text that is presented visually. | Supports | All user interface components with visible text include that text in their accessible name. |
| [3.2.4: Consistent Identification](https://www.w3.org/TR/WCAG21/#consistent-identification) (AA)  UI components used across the web site are identified consistently on every page. | Supports | Components throughout this module are consistent across the site and are identified in the same way when they perform the same function on different pages. |
| [3.3.1: Error Identification](https://www.w3.org/TR/WCAG21/#error-identification) (A)  Input errors are clearly marked and described to the user. | Does not support | In all instances, error messages are presented clearly and are visually easy to identify. They provide specific feedback, and their placement near the relevant element minimizes reliance on color cues such as red. Error messages are not always announced to assistive technology users, and the error state of all user input components is not programmatically determinable.  Exceptions:   * AI Search Page – “What is your research question?” Input field: When the input field is submitted empty, an error message appears but is not programmatically associated with the input. |
| [3.3.2: Labels or Instructions](https://www.w3.org/TR/WCAG21/#labels-or-instructions) (A)  Items requiring user input are clearly labeled or have clear instructions. | Supports | All form elements are accompanied by clear labels or instructions. |
| [3.3.3: Error Suggestion](https://www.w3.org/TR/WCAG21/#error-suggestion) (AA)  When the user makes an input error, give suggestions for valid input. | Supports | All error messages provided throughout this module offer helpful guidance to users for resolving the identified issues. |
| [4.1.2: Name, Role, Value](https://www.w3.org/TR/WCAG21/#name-role-value) (A)  For all UI components, the name, value, and role can be programmatically determined. | Partially supports | All UI components communicate their state programmatically, and most have appropriately defined accessible names.  Exceptions:   * AI Search Page - Show AI Menu Button: The navigation landmark triggered by the element does not have an accessible name. * AI Search Page - Copy buttons: Multiple copy buttons with different purposes are present on the page, but all have identical accessible names. * AI Search Page - Reference links within References from Summary section: Both the title and description of the referenced article are coded as buttons with potentially lengthy and inconsistent accessible names that do not clearly convey the button’s purpose. * AI Search Page - Help menu: Two unnamed navigation landmarks are present within the content and are nested inside one another. * AI Search Page - Page header: There are multiple unnamed navigation landmarks wrapping links within the same logical area of the page, making it difficult for screen reader users to distinguish between them. * Compare Experiments Page - chevron disclosure buttons throughout the page: Both the state and accessible name of the element change when it is toggled. * Compare Experiments Page - Tell us what you think modal: The modal does not have an accessible name, making it difficult for screen reader users to identify its purpose. |
| [4.1.3: Status Messages](https://www.w3.org/TR/WCAG21/#status-messages) (AA)  In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus. | Partially supports | Status messages are generally announced by assistive technology.  Exceptions:   * AI Search Page - Copy buttons: Visual feedback from the action is not displayed long enough for users to perceive and understand it. * Compare Experiments Page - Export buttons: Only visual feedback is provided to users when these buttons are clicked, making the response inaccessible to users who rely on non-visual cues. |

### Multimedia

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.2.1: Audio-only or Video-only (Prerecorded)](https://www.w3.org/TR/WCAG21/#audio-only-and-video-only-prerecorded) (A)  Provide alternatives for pre-recorded audio-only or video-only content. | Supports (N/A) | There is no pre-recorded audio-only or video-only content in this module. |
| [1.2.2: Captions (Prerecorded)](https://www.w3.org/TR/WCAG21/#captions-prerecorded) (A)  Provide captions for pre-recorded audio | Supports (N/A) | There is no pre-recorded audio in this module. |
| [1.2.3: Audio Description or Media Alternative (Prerecorded)](https://www.w3.org/TR/WCAG21/#audio-description-or-media-alternative-prerecorded) (A)  Provide alternatives for pre-recorded synchronized audio/video | Supports (N/A) | There is pre-recorded synchronized audio/video content in this module. |
| [1.2.4: Captions (Live)](https://www.w3.org/TR/WCAG21/#captions-live) (AA)  Provide captions for live audio in synchronized audio/video. | Supports (N/A) | Live audio and video cannot be shared or accessed within this module. |
| [1.2.5: Audio Description (Prerecorded)](https://www.w3.org/TR/WCAG21/#audio-description-prerecorded) (AA)  Provide an audio description of pre-recorded video. | Supports (N/A) | There is no pre-recorded video content in this module. |
| [1.4.2: Audio Control](https://www.w3.org/TR/WCAG21/#audio-control) (A)  Audio can be paused and stopped, or the audio volume can be changed. | Supports (N/A) | There is no pre-recorded audio content in this module. |
| [2.2.2: Pause, Stop, Hide](https://www.w3.org/TR/WCAG21/#pause-stop-hide) (A)  Users can stop, pause, or hide moving, blinking, scrolling, or auto-updating information. | Supports (N/A) | There is no moving, scrolling, or auto-updating information in this module. |

### Usability

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [2.2.1: Timing Adjustable](https://www.w3.org/TR/WCAG21/#pause-stop-hide) (A)  Users are warned of time limits shorter than 20 hours and time limits can be turned off or extended | Supports | Users are notified when their session is about to expire and are given 5 minutes to extend or cancel the session. |
| [2.4.5: Multiple Ways](https://www.w3.org/TR/WCAG21/#multiple-ways) (AA)  More than one way is available to navigate to other web pages. | Supports (N/A) | Since the pages identified in this VPAT are steps in a process, they are exempt from this requirement. |
| [3.2.2: On Input](https://www.w3.org/TR/WCAG21/#on-input) (A)  Changing the setting of a checkbox, radio button, or other UI component does not trigger unexpected changes in context. | Partially supports | User input, regardless of the method used, almost never trigger unexpected actions or changes in context.  Exceptions:   * AI Search Page - Collapsible reference sections: The button used to expand the authors list disappears when clicked, causing keyboard focus to be lost. |
| [3.2.3: Consistent Navigation](https://www.w3.org/TR/WCAG21/#consistent-navigation) (AA)  Navigation menus are in the same location and order on every web page. | Supports | Navigation menus are consistent across pages in this module. |
| [3.3.4: Error Prevention (Legal, Financial, Data)](https://www.w3.org/TR/WCAG21/#error-prevention-legal-financial-data) (AA)  For web pages with legal or financial commitments, input can be reviewed and corrected before final submission, and submissions can be reverted. | Supports (N/A) | There are no submissions in this module that require any financial commitment. |

### Mobile User Experience

|  |  |  |
| --- | --- | --- |
| **WCAG 2.1**  **Checkpoint** | **Conformance Level** | **Remarks** |
| [1.3.4: Orientation](https://www.w3.org/TR/WCAG21/#orientation) (AA)  Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential. | Supports | Pages in this module do not restrict viewing or operation of content to a single orientation. |
| [2.5.1: Pointer Gestures](https://www.w3.org/TR/WCAG21/#pointer-gestures) (A)  All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential. | Supports (N/A) | Pages do not use or require multipoint or path-based gestures for any functionality in this module. |
| [2.5.2: Pointer Cancellation](https://www.w3.org/TR/WCAG21/#pointer-cancellation) (A)  For functionality that can be operated using a single pointer, at least one of the following is true:   * No Down-Event * Abort or Undo * Up Reversal * Essential | Supports | All interactive content is correctly triggered on the up event, allowing pointer users to move their pointer off the component to cancel the action. |
| [2.5.4: Motion Actuation](https://www.w3.org/TR/WCAG21/#motion-actuation) (A)  Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation, except when:   * Supported Interface * Essential | Supports (N/A) | This module does not require motion actuation for any of its operations. |