VPAT Accessibility Conformance Report

(Based on ITI VPAT©)

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| **Name of Product** | **SciVal** |
| **Date Last Updated** | **June 27, 2025** |
| Completed by | **Nicola Richardson** (Elsevier Digital Accessibility Team) |
| **Applicable Standards/Guidelines** | This document rates SciVal 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** * **Mozilla Firefox 128.4.0 on MacOS Sequoia 15.3.2** * **Chrome 134 on Windows 10** * **Safari 18.3.1 on MacOS Sequoia 15.3.2** * **NVDA screen reader 2024.3.1** * **VoiceOver screen reader MacOS Sequoia 15.3.2** * **axe DevTools extension** 4.10.0 * **ARC Toolkit extension** 5.7.5 * HeadingsMap extension 4.8.7 * [W3C Web Accessibility Initiative (WAI) Pages](https://www.w3.org/WAI/) |
| **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** | * Landing, Home, Reporting, Header, Footer, Side panel content * **Explore:** Summary, Bibliometrics: Publication Metrics, Contribution: Authors, Collaboration: Current Collaborators, Impact: Policy Impact, Funding: Summary, Entities panel * **Compare:** Benchmark: All Metrics, Intersect: Grants Matrix |
| **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 | Does not support |
| 1.2.2: Captions (Prerecorded) | A | Does not support |
| 1.2.3: Audio Description or Full Text Alternative | A | Supports |
| 1.2.4: Captions (Live) | AA | Supports (N/A) |
| 1.2.5: Audio Description | AA | Supports |
| 1.3.1: Info and Relationships | A | Partially supports |
| 1.3.2: Meaningful Sequence | A | Partially 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 |
| 1.4.3: Contrast (Minimum) | AA | Partially supports |
| 1.4.4: Resize text | AA | Partially supports |
| 1.4.5: Images of Text | AA | Supports |
| 1.4.10: Reflow (2.1) | AA | Does not support |
| 1.4.11: Non-Text Contrast (2.1) | AA | Supports |
| 1.4.12: Text Spacing (2.1) | AA | Partially supports |
| 1.4.13: Content on Hover or Focus (2.1) | AA | Partially supports |
| 2.1.1: Keyboard | A | Partially supports |
| 2.1.2: No Keyboard Trap | A | Supports |
| 2.1.4: Character Key Shortcuts (2.1) | A | Supports |
| 2.2.1: Timing Adjustable | A | Does not support |
| 2.2.2: Pause, Stop, Hide | A | Supports |
| 2.3.1: Three Flashes or Below Threshold | A | Supports |
| 2.4.1: Bypass Blocks | A | Supports |
| 2.4.2: Page Titled | A | Supports |
| 2.4.3: Focus Order | A | Partially supports |
| 2.4.4: Link Purpose (In Context) | A | Supports |
| 2.4.5: Multiple Ways | AA | Partially supports |
| 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 |
| 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 | Does not support |
| 3.2.1: On Focus | A | Supports |
| 3.2.2: On Input | A | Supports |
| 3.2.3: Consistent Navigation | AA | Supports |
| 3.2.4: Consistent Identification | AA | Supports |
| 3.3.1: Error Identification | A | Supports |
| 3.3.2: Labels or Instructions | A | Partially 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

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| **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 | Many images and icons have appropriate text equivalents.  **Exceptions:**   * Most charts lack sufficient detail in their short text alternative to identify their area of focus and visualization type, but the surrounding content such as section headings or visualization toggles may provide sufficient contextual clues. * Complex charts without accessible alternatives do not have long descriptions. * Icons indicating that links open in a new window do not have appropriate alternative text to communicate their purpose. * Where interactive sparklines are used, text alternatives for the charts and inner graphical items do not provide enough relevant detail to understand the visual information. * Header ‘Help’ menu: ‘back’ navigation functionality is represented visually by an icon but does not have a text alternative and the equivalent information is otherwise not communicated programmatically. * Home: Video content lacks alternative text identifying it. * Summary: Where charts are used as decorative data representations, they are not hidden from screen readers. |
| [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 | There are no instructions or areas of content which 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 instances, when color is used as a means of conveying information, another visual method is also used to convey the information without color.  **Exceptions:**   * Inline links which are identified by color alone do not meet contrast requirements with surrounding text (2.5:1 / 1.2:1). * Benchmark - All Metrics: Color alone is used to communicate Metric Value in the table heatmap visualization. |
| [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) | Partially supports | Text has sufficient contrast with its corresponding background in most areas.  **Exceptions:**   * Summary, Bibliometrics - Publication Metrics, Contribution - Authors: Where table rows have a highlight color when hovered or focused, text presented in light grey does not meet the minimum contrast ratio (4.05:1). * Contribution - Authors: Text on the 'Limit to' button in the author Scholarly Output dialog is indistinguishable when in a focused state due to being the same color as the button. * Collaboration - Current Collaborators: Heading text in the field-weighted citation impact accordion does not have sufficient contrast when in an active or focused state (3.3:1). * Reporting: Completed steps in the ‘create report from template’ dialog do not meet the minimum threshold for color contrast (4.47:1), and steps which are visually presented as disabled do not meet contrast ratio requirements (2.7:1). * Side panel: Where emphasized panels are present at the top of the side panel, button text does not contrast sufficiently with the blue background color (4.1:1). |
| [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. | Partially supports | Text may be enlarged to 200% while preserving functionality of content in many instances.  **Exceptions:**   * Footer: When text is scaled to 200%, the RELX website link is clipped and unidentifiable * Entities panel: When text is scaled to 200%, ‘add to favorites’ buttons, content revealed by the footer buttons and some entity category buttons are clipped due to exceeding the bounds of the panel. * Bibliometrics - Publication Metrics: Chart labels cannot be resized to 200% their original font size without the use of assistive technologies. * Contribution - Authors: When text is scaled to 200% its original size, options in the Citations select list are clipped. * Contribution - Authors: Data in the Citations column of the Scholarly Output dialog is clipped when text is scaled to 200% its original size. * Benchmark - All Metrics: Some entity categories in the entities panel extend past the bounds of the viewport and are not visible when text is scaled to 200% its original size. * Reporting: Areas with interactive controls in the ‘create report from template’ dialog can exceed the viewport height when text is scaled to 200% its original size making the interactive content unreachable. * Reporting: When text is scaled to 200% its original size, the visible label for the search field in the main reporting page and in some of the dialogs to create reports/folders overlaps the input area, making both it and any entered search terms unreadable. |
| [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 | No images of text are used other than for logos or essential 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.. | Does not support | Content does not reflow into a single column view on most pages. When viewed in a 320 x 256 pixels viewport, content generally exceeds the bounds of the viewport requiring horizontal scrolling, or becomes unusable due to overlapping, truncated or obscured controls. |
| [1.4.11: Non-Text Contrast](https://www.w3.org/TR/WCAG21/#non-text-contrast) (AA)  User interact components and graphical objects have a contrast ratio of at least 3:1 against adjacent color(s). | Supports | Non-text UI components and graphical objects have at least a 3:1 contrast ratio against surrounding colors when required for understanding. Data vizualisations typically use high contrasting colors for data segments and additionally provide labels and data points when interacted with. Where graphical objects indicate specific actions, such as ‘add to favorites’ functionality, these exceed the contrast requirement. |
| [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. | Partially supports | Users may adjust the text spacing of content on pages to the minimum baseline properties without causing loss of content or functionality on almost all pages.  **Exceptions:**   * Contribution - Authors: When text spacing properties are applied, one option in the Citations select list is clipped. * Reporting: The search field in the main reporting page and in the ‘create report’ dialog has a visible label which is partially obscured by field text when text spacing properties are applied. |
| [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 | Partially supports | Content which appears on hover or focus is generally dismissable, hoverable and persistent.  **Exceptions:**   * Content which is revealed when hovering chart data points is dismissed when the cursor moves outside the bounds of the triggering data point or is replaced by new content if the cursor moves into the bounds of another data point. |
| [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 | No flashing content exists. |

### Keyboard

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| **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 | Partially supports | The correct reading sequence is typically logical and programmatically determinable, with the DOM order according with the visual order in most areas.  **Exceptions:**   * Summary, Collaboration - Current Collaborators, Benchmark - All Metrics: Tooltips or popovers containing growth-related information are not presented in a logical programmatic reading sequence. * Collaboration - Current Collaborators: A meaningful reading sequence is not available for nested content in the field-weighted citation impact accordion. * Contribution - Authors: The Open Access popover content triggered from the accordion list in the Scholarly Output dialog is not reachable in a meaningful reading sequence as it is inserted at the end of the document. |
| [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 | Partially supports | Most standard web page content and functionality is keyboard operable across pages.  **Exceptions**:   * Explore: Where the side panel navigation contains ‘improved features’ dots in the page focus order, only a subset of these dots is keyboard reachable. * Entities panel: Some custom tooltips used to provide labelling information or supplementary information are only available on hover, meaning keyboard users will not receive the additional visual information they provide. * Entities panel: When selecting tags to add to entities in an Advanced Search, it is not possible to reach the 'add new tag' button via keyboard alone. * Entities panel: Interactive affiliation table items in the ‘define researcher’ dialog are not reachable by keyboard alone. * Summary: When triggering a more focused version of the Publication share by Subject Area visualization, the interactive control to navigate back to a previous version is only operable by mouse and cannot be reached by keyboard alone. * Contribution - Authors: Sorting on the Citations column in the Scholarly Output dialog cannot be activated by keyboard because the citations filter takes focus. * Impact - Policy Impact: Interactive controls revealed by the ellipsis buttons in dialogs are not reachable by keyboard. * Funding - Summary: Where filters contain lists of checkboxes, the checkboxes and footer buttons are not keyboard operable. * Funding - Summary: Interactive elements to set from/to values in the grant values filter popover are not reachable by keyboard. * Funding - Summary: Buttons to show/hide chart lines are not keyboard operable. * Benchmark - All Metrics: When the button to ‘View Scopus Sources’ is disabled, usage guidance is only available to mouse users. * Intersect - Grants Matrix: When the heatmap view is activated, additional contextual information related to the ‘heat’ of cells is available on mouse click, but not reachable by keyboard. * Intersect - Grants Matrix: Additional information on the date range for the heatmap view is only available on mouse click. * Reporting: Completed steps in the ‘create report’ dialogs provide navigational functionality but are not keyboard operable. * Reporting: Template tiles are not reachable or operable by keyboard alone. * Reporting: Checkboxes to select entities in the ‘create report from template’ dialog are not reachable by keyboard alone. * Reporting: Drag and drop functionality in the ‘create folder’ dialog is not keyboard operable. * Reporting: Buttons to delete selected items from a new folder in the ‘create folder’ dialog are not keyboard operable. |
| [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 | No pages have a keyboard trap. |
| [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 | The site does not use 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 | Tab order is largely logical across the site and preserves the meaning and operability of content in most instances.  **Exceptions:**   * Summary, Contribution - Authors: Where table items have additional interactive controls which become available on row focus, some controls are only able to be navigated to in reverse as they are not included in the page tab order until they become visible * Summary, Collaboration - Current Collaborators: Focusable growth indicators used next to metrics have an additional redundant tab stop. * Summary, Collaboration - Current Collaborators, Benchmark - All Metrics: Where contextual information is revealed on focus, tabbing past revealed interactive content moves focus out of the UI and into the browser controls. * Footer: The Feedback dialog is presented visually and programmatically as non-modal, but focus is trapped in the dialog. * Entities panel: When creating a new entity group, closing the dialog does not return focus to the triggering element. * Entities panel: When conducting an Advanced Search, after closing the Tags popover from the toolbar via keyboard, subsequent navigation moves focus to the top of the panel. * Side panel: When closing the side panel, focus is set to the end of the page rather than being returned to the triggering element |
| [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 across the site have a decent visible indication of focus.  **Exceptions:**   * The ‘skip to main content’ link and logo link in the header do not have visible focus indicators. * Where an ‘Improved Features’ banner is present, interactive elements in the banner do not have visible focus indicators. * Summary, Collaboration - Current Collaborators: Growth interactive controls do not have visible focus indicators. * Footer: The ‘feedback’ button and subsequent buttons in the feedback dialog do not have visible focus state styling. * Explore: Buttons to remove recently searched items from the search popover in the header do not have visible focus indicators. * Entities panel: The button to remove a tag assigned to an entity in Advanced Search mode does not have a visible focus indicator. * Entities panel: When saving a new researcher, elements to remove a tag, connect the profile to your account or access more information about connecting accounts do not have visible focus indicators. * Entities panel: A duplicate implementation of table cells is included in the page focus order, but the table cells are visually hidden so do not present a visible focus indicator. * Contribution - Authors, Impact - Policy Impact: Where ‘Open Access’ is provided as an expandable filter option in dialogs, the focus indicator for the Open Access popover is not distinguishable. * Collaboration - Current Collaborators: Interactive items in the field-weighted citation impact accordion do not provide focus state styling once they have adopted an 'active' state. * Impact - Policy Impact: An ellipsis button to show additional viewing options in the ‘citing policy documents’ dialog does not have focus state styling in Chrome or Safari. * Intersect - Grants Matrix: The 'remove entity' button in the table is in the page tab order but does not become visible or show a focus indicator when in a focused state. |
| [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 | Focusable elements do not cause unexpected actions/changes of context when receiving focus. |

### Headings and Structure

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| **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 distinguishable via semantic structure and relationships. A logical heading order reflecting page organization and content is programmatically determinable on most pages. List markup is used appropriately in most instances. HTML sectioning elements/landmark roles demarcate content regions.  **Exceptions:**   * Intersect - Grants Matrix, Contribution - Authors: The status of sorted table columns is indicated visually but is not available programmatically. * Landing: A semantic heading element is used inappropriately to contain paragraph text. * Header: Bold text used to group related items in sub-menus offers no programmatic associations or identification of labelling content. * Header: The visual association between the help icon button and the number of feature updates is not available programmatically. * Homepage: Some headings use inappropriate levels which creates a divergence between the programmatic and visual representations of the document structure. * Explore: Information in the 'More information about this institution' dialog from the header is presented in a tabular layout, but the relationships between data points are not represented programmatically and table semantics are not used. * Explore: Text in the ‘year range’ popover is visually styled as a heading but does not use semantic HTML to identify it programmatically as a heading. * Explore: When refining search results, the selected status of category buttons is not programmatically determinable. * Entities panel: The 'delete entity' dialog is visually presented as being modal, but that information is not programmatically communicated. * Entities panel: Data visually presented as a table in Advanced Search mode does not use appropriate HTML or ARIA attributes to communicate the data relationships or groupings. * Summary: Summary metrics are visually presented in groupings, but this grouping information is not programmatically available. * Summary: Data presented in tooltips on the Publication share by Subject Area chart is only partially communicated programmatically, with key details missing. * Bibliometrics - Publication Metrics: Some bar chart segments do not communicate the same data points programmatically as detailed visually in the tooltip and in the associated line chart. * Contribution - Authors: The modal nature of the 'Benchmark in more detail' dialog is visually apparent but not programmatically communicated. * Contribution - Authors: Tooltip content for table headers is not programmatically available. * Contribution - Authors: The ability to sort table columns is represented visually but is not programmatically discernable. * Contribution - Authors: Item counts for filters in the Scholarly Output dialog are not programmatically associated with their related checkbox. * Collaboration - Current Collaborators: When on the co-authors tabs in the institution collaboration dialog, tables have redundant table headers including non-table content. * Collaboration - Current Collaborators: Text visually styled as a heading in the Tags popover does not use semantic HTML to identify it programmatically as a heading. * Impact - Policy Impact: The 'Top 5' output lists use inappropriate table semantics. * Impact - Policy Impact: Visual groupings of content in the ‘mentions in policy documents’ dialog are not programmatically determinable. * Funding - Summary: Trend metrics are visually presented in groupings, but this grouping information is not programmatically available. * Funding - Summary: Where data is visually structured in a tabular layout, appropriate semantics or association techniques have not been used so the relationship between information is not programmatically discernable. * Benchmark - All Metrics: The relationship between revealed content in axis menus is not accurately represented programmatically due to nested content being inserted at the end of the document and therefore diverging from the visual structural sequence. * Benchmark - All Metrics: A visual table has been marked up with two separate table elements; one for the column headers and another for table data. * Benchmark - All Metrics: The `main` page landmark is used incorrectly and does not reflect the structure of the content. * Benchmark - All Metrics: In the ‘metric details’ show/hide widget, the visual relationship between the Snowball Metrics explainer and the metric it refers to is not programmatically determinable. * Intersect - Grants Matrix: The visual styling of the table indicates that the first cell in each row is a header, but this information is not programmatically available. * Reporting: Tags visually associated with institution radio buttons in the ‘create report’ dialog are not programmatically linked. * Reporting: Items visually identifiable as a list in the ‘create folder’ dialog and noted as a list in the dialog instruction text are not programmatically identifiable as a list. * Reporting: A required field in the ‘create report’ dialog does not have appropriate attributes set for this state to be programmatically determinable. * Side panel: Semantic tables are used inappropriately for visual layout. |
| [2.4.1: Bypass Blocks](https://www.w3.org/TR/WCAG21/#bypass-blocks) (A)  Users can bypass repeated blocks of content. | Supports | Pages feature a “Skip to Main Content” skip navigation link. Logical heading orders and landmarks demarcating various content regions allow AT users to conveniently jump to different areas of content. |
| [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. For example, most pages feature visually distinct and programmatically determinable main and secondary headings to help distinguish content. |
| [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 typically and appropriately defined as lang="en". |
| [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. | Does not support | There is minimal content presented in languages other than the default language of the page, but where such content exists the language is not specified.  **Remarks:**   * Explore: Where institution names are presented in their native language in the header, the language of the visible text cannot be programmatically determined. * Reporting: The language of native institution names in the ‘create report’ dialog is not programmatically determinable. |
| [4.1.1: Parsing](https://www.w3.org/TR/WCAG21/#parsing) (A)  Use valid, error-free HTML | Supports | HTML and CSS typically pass concerning these 4 specific criteria:   1. elements have complete start and end tags, 2. elements are nested according to their specifications 3. elements do not contain duplicate attributes 4. any IDs are unique, except where the specifications allow these features.   Note: There may be other general HTML validation errors outside the scope of this criterion. WCAG 2.1 Errata notes: “This Success Criterion should be considered as always satisfied for any content using HTML or XML.” |

### Labeling

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| **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) | The product does not contain fields which collect information about the user. |
| [2.4.2: Page Titled](https://www.w3.org/TR/WCAG21/#page-titled) (A)  The page has a title describing its topic or purpose | Supports | A descriptive page title that identifies content/purpose is present for all pages. |
| [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 | An identifiable purpose may be deduced for all links from the link text or 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 | User interface components that have visible text contain that text consistently within the 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 are identified consistently where they provide the same functionality across 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. | Supports | There are minimal opportunities for input errors to be triggered but errors are generally identified and presented well visually. Error messages that offer specific feedback are often adjacently and visually distinguished via different text color (red), sometimes with error-related graphical objects reflecting their status. |
| [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. | Partially supports | Labels or instructions are provided for many form elements.  **Exceptions:**   * Many inputs, specifically most ‘combobox’ implementations, used across the product do not have visible text labels defining their purpose and instead rely on the input value as a text label. * Entities panel - advanced search: Filters in Advanced Search mode lack persistent, visible field labels. * Reporting: Placeholder text is used as field labels in the ‘create report’ dialog |
| [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 | There are minimal opportunities for input errors to be triggered but where they are, relevant helpful suggestions are provided in text. |
| [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 | Some UI components communicate their state programmatically, and some have accessible names that are appropriately defined. Several ARIA attributes and roles are not present where appropriate or are misused.  **Exceptions:**   * Most ‘combobox’ implementations across the product lack a programmatic accessible name. * Intersect - Grants Matrix, Collaboration - Current Collaborators: Interactive table headers do not expose an appropriate interactive role to assistive technologies. * Entities Panel, Benchmark - All Metrics, Intersect - Grants Matrix, Impact - Policy Impact: The 'grid' role is used on tables which do not provide functionality associated with the role. * Explore, Reporting: Where dialogs use inner navigation, visually presented as tabs, state of navigational items is presented visually but not determinable programmatically. * Explore: The entities panel trigger button in the collapsed menu view does not have an accessible name. * Explore: The 'selected' state of filter options in the year range dropdown list is not programmatically determinable. * Explore: Where the Year Range field opens an overlay with multiple interactive range controls, some assistive technologies will not be able to access the revealed content due to the implementation nesting interactive controls and not exposing an appropriate interactive role. * Explore: Date range slider 'thumbs' do not appropriately calculate programmatic current minimum / maximum values. Buttons to remove recently searched items from the search popover do not have accessible names. * Entities panel: The 'tags' filter in Advanced Search mode does not expose an accessible name or role to assistive technologies. * Entities panel: Some filters in Advanced Search mode do not have an accessible name, making their purpose ambiguous, or operation challenging, to users of assistive technology. * Entities panel: Interactive items, in the ‘define researcher’ dialog, which reveal 'recent publications' for authors have an incorrect role of 'link', and do not programmatically represent their show/hide functionality. * Contribution - Authors: The sort button on the Citations column has no accessible name. * Contribution - Authors: The button to 'view abstract' in the Scholarly Output dialog does not programmatically indicate its expand/collapse functionality. * Collaboration - Current Collaborators: Buttons which reveal content in the field-weighted citation impact accordion do not communicate their functionality programmatically. * Collaboration - Current Collaborators: The Field-weighted citation impact table column header has been made interactive and also has a nested button element meaning it presents an ambiguous role to assistive technology users. * Collaboration - Current Collaborators: In the institution collaboration dialog, the 'close' button associated with the expanded table view of co-authors does not have an accessible name. * Collaboration - Current Collaborators: The grid role is inappropriately used for static tabular data. * Funding - Summary: The Grant Values filter is interactive but does not expose an interactive role or accessible name to assistive technologies. * Benchmark - All Metrics: The 'Metrics details' button does not programmatically communicate its show/hide functionality. * Benchmark - All Metrics: The button to expand or collapse the entities panel does not have an accessible name when in a collapsed state. * Reporting: Buttons to control the visual presentation of data do not programmatically communicate their ‘toggle’ functionality. * Reporting: In the ‘create report’ dialog, the navigation role is used inappropriately to identify steps in a stepped process. * Reporting: In the ‘create report’ dialog, the Report Name input field does not have an accessible name. * Reporting: Expandable icon buttons in the ‘create folder’ dialog do not have accessible names. * Reporting: The field to add a new folder name in the ‘create folder’ dialog does not have an accessible name. * Reporting: The field to add a title for a report in the ‘create report’ dialog is identified with a ‘heading’ role, alongside its interactive role, due to being nested within it. * Side panel: iFrames do not have an accessible name. Show/hide controls do not communicate an appropriate role or functionality to assistive technologies. * Side panel: The small 'i' icon related to AI Generation navigates the user but doesn't expose a navigational role. |
| [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 sometimes communicated to assistive technologies. Page loading statuses are announced, but other action-related messaging is typically not automatically available.  **Remarks:**   * Search result status messages are generally not communicated automatically to assistive technologies. * Success status messages are generally not communicated automatically to assistive technologies. * There are few areas where form errors can be triggered, in some areas these status updates may not be communicated automatically to assistive technologies. |

### Multimedia

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| **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. | Does not support | There is limited multimedia across the product, but where video-only content exists it does not provide an alternative or identify itself as such.  **Remarks:**   * Home: Video-only content does not have a text-based alternative or audio description and does not identify itself as an alternative to existing text-based detail. |
| [1.2.2: Captions (Prerecorded)](https://www.w3.org/TR/WCAG21/#captions-prerecorded) (A)  Provide captions for pre-recorded audio | Does not support | There is limited multimedia across the product, but where pre-recorded audio is present no captions are provided.  **Remarks:**   * Landing: A promotional video with voiceover lacks captions. |
| [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 | Where audiovisual content is present, important information communicated via the synchronized visuals is contained in the media commentary. |
| [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) | There is no live synchronized audio/video content. |
| [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 | Where there is video in audiovisual content, important visuals are communicated in the media commentary.  **Remarks:**   * Landing: While there are a few instances in a promotional video of visuals not being communicated in the commentary, these are deemed to be supplementary or decorative to the information communicated in the commentary. |
| [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 | No pages feature audio that plays automatically. |
| [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 | Mechanisms are provided to pause or stop all moving content.   **Remarks:**   * Home: The ‘New in this release’ video starts automatically but provides a pause button. |

### Usability

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| **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 | Does not support | Many pages do not have time limits. Where success messages are provided, these are presented as overlayed content which automatically dismisses after ~8 seconds. There is no mechanism provided to turn off or extend these time limits.  **Remarks:**   * Success ‘toast’ messages automatically dismiss without providing controls to stop or delay the dismissal. |
| [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. | Partially supports | Many pages (except steps/results of a process) may typically be located and accessed in multiple ways. For example, main navigation is consistently available across pages and top-level pages are linked to from the homepage. The product does not offer global search functionality. It does not provide a sitemap.  **Exceptions:**   * Explore: Sub-pages are only able to be navigated to via the side panel menu. |
| [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. | Supports | User input, such as changing the values of form elements, does not initiate unexpected actions or changes in context. |
| [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. For example, global navigation links in the header are consistent across pages, occurring in the same order; secondary navigation is consistently positioned across appropriate sets of pages. |
| [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 which require legal or financial commitments. |

### Mobile User Experience

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| **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 do not restrict view and 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 | Pages do not utilize or require multipoint or path-based gestures for any functionality. |
| [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 either functions through the mouse-up event or can be undone. |
| [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) | There is no content that utilizes device or user motion. |

**Revised Section 508 Report**

Chapter 3: [Functional Performance Criteria](https://www.access-board.gov/ict/#chapter-3-functional-performance-criteria) (FPC)

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| **Criteria** | **Conformance Level** | **Remarks** |
| 302.1 Without Vision | Partially supports | User interface and content are generally compatible - with several exceptions - with screen readers, featuring meaningful semantic structure and consistency across many areas. Many images and icons have appropriate text equivalents but charts, in general, lack sufficient detail in their short text alternative. For these charts, surrounding content such as section headings or visualization toggles may provide sufficient contextual clues to determine their focus or visualization type. Many charts have accessible alternatives, but those without do not provide long descriptions. Some popovers containing contextual information are not presented in a logical programmatic reading sequence. |
| 302.2 With Limited Vision | Partially supports | Style sheets separate presentation from content. Personal style sheets and Operating System contrast can be applied. Screen magnification applications are supported. Some content may overlap or exceed the bounds of the viewport when text is scaled to 200% its original size. Responsive design is generally not supported. Most elements across the site have a decent visible indication of focus. |
| 302.3 Without Perception of Color | Partially supports | Perception of color is not required to use most content. Where color is involved, another visual method is often utilized to convey the same information. There are some exceptions of text with insufficient color contrast. |
| 302.4 Without Hearing | Supports | Hearing is not required to use the product’s functionality. A video introducing the product’s features on the landing page does not provide captions, but an adjacent link provides expanded information. |
| 302.5 With Limited Hearing | ​​ Supports | Hearing is not required to use the product’s functionality. A video introducing the product’s features on the landing page does not provide captions, but an adjacent link provides expanded information. Independent volume control is provided in the video player for this content. |
| 302.6 Without Speech | Supports | There is no content that requires speech input. |
| 302.7 With Limited Manipulation | Partially supports | With some exceptions, content and interfaces are largely amenable to simple, standard keyboard operation. Many pages feature a ‘skip to main content’ link. While many elements have logical and consistent accessible names, filters typically lack accessible names and would not be easily usable via speech input. |
| 302.8 With Limited Reach and Strength | Supports | Navigation and interactivity are typically simple and predictable along the conventions of web content, including the use of the keyboard (standard/simple keystrokes) with certain exceptions. |
| 302.9 With Limited Language, Cognitive, and Learning Abilities | Partially supports | Interfaces have an element of complexity due to providing detailed and granular data analysis, however, they are largely consistent and often provide mechanisms to simplify layouts. Where pages feature complex data visualizations, accessible tables are often available. Search functionality is provided for users who prefer not to use the Entity List panel. Descriptive headings are used to section content, and text is typically structured in short paragraphs. No specific modes of content or interactivity are provided for individuals with limited cognitive, language and learning abilities. |

Chapter 6: [Support Documentation and Services](https://www.access-board.gov/ict/#chapter-6-support-documentation-and-services)

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| **Criteria** | **Conformance Level** | **Remarks** |
| 601.1 Scope | Heading cell – no response required | Heading cell – no response required |
| [602 Support Documentation](https://www.access-board.gov/ict/#602-support-documentation) | Heading cell – no response required | Heading cell – no response required |
| 602.2 Accessibility and Compatibility Features | Partially supports | This document (VPAT) provides additional details on the accessibility and compatibility features of ​SciVal​. Support channels (via email or chat) can also provide additional information on accessibility and compatibility features. |
| 602.3 Electronic Support Documentation | See [WCAG 2.x section](bookmark://_602.3_Electronic_Support) | See information in WCAG 2.x section |
| 602.4 Alternate Formats for Non-Electronic Support Documentation | Supports | Support documentation as provided via the ​SciVal​ Support Center is primarily in an electronic format, in the form of searchable HTML pages (articles), PDF documents, and video. (Support is additionally provided via email and chat options.) Please contact [accessibility@elsevier.com](mailto:accessibility@elsevier.com) to request alternate formats for support documentation, or for any questions on accessibility or assistive technology compatibility features in ​SciVal​. |
| [603 Support Services](https://www.access-board.gov/ict/#603-support-services) | Heading cell – no response required | Heading cell – no response required |
| 603.2 Information on Accessibility and Compatibility Features | Supports | This document (VPAT) provides details on the accessibility and compatibility features of ​SciVal​. Support channels (via email or chat) can also provide additional information on accessibility and compatibility features. Please contact [accessibility@elsevier.com](mailto:accessibility@elsevier.com) for further questions on accessibility or assistive technology compatibility features in ​SciVal​. |
| 603.3 Accommodation of Communication Needs | Supports | Users may contact the ​SciVal​ support team via:   * [Email (web form)](https://service.elsevier.com/app/contact/supporthub/scival/) * [Chat (web interface)](https://service.elsevier.com/app/home/supporthub/scival/)   Please contact [accessibility@elsevier.com](mailto:accessibility@elsevier.com) for further questions on accessibility or assistive technology compatibility features in ​SciVal​. |

*602.3 Electronic Support Documentation*

Conformance Summary: [SciVal Support Center](https://service.elsevier.com/app/home/supporthub/scival/)

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| **WCAG 2.1 Success Criterion** | **Level** | **Evaluation** | **Remarks** |
| 1.1.1: Non-text Content | A | ​​Partially supports​ | Some images lack appropriate text alternatives. |
| 1.2.1: Audio-only and Video-only (Prerecorded) | A | ​​Does not support | Text alternative for video-only content may not be sufficiently descriptive. No audio track provided. |
| 1.2.2: Captions (Prerecorded) | A | Supports (N/A)​ | No synchronized media. |
| 1.2.3: Audio Description or Full Text Alternative | A | Supports (N/A)​ | No synchronized media. |
| 1.2.4: Captions (Live) | AA | ​​Supports (N/A)​ | No live video. |
| 1.2.5: Audio Description | AA | Supports (N/A)​ | No synchronized media. |
| 1.3.1: Info and Relationships | A | ​​Partially supports​ | Some pages lack <h1>. Some tables may lack headers. A couple of contact form fields may lack proper label association. Some PDFs may be tagged, but not with complete semantic structure. |
| 1.3.2: Meaningful Sequence | A | ​​Partially supports​ | Reading sequence is mostly logical for AT. “Most viewed answers” section in Email contact form occurs unexpectedly between form fields and Submit button. |
| 1.3.3: Sensory Characteristics | A | ​​Partially supports | Most content does not rely on sensory characteristics. Some instructions use color or location to identify UI components. |
| 1.3.4: Orientation (2.1) | AA | ​​Supports​ | Not restricted to a single orientation. |
| 1.3.5: Identify Input Purpose (2.1) | AA | ​​Supports​ | Contact form provides autocomplete attributes for relevant personal information fields. |
| 1.4.1: Use of Color | A | ​​Supports​ | Color is not used as the only visual means of conveying information. |
| 1.4.2: Audio Control | A | ​​Supports (N/A)​ | No auto-playing audio. |
| 1.4.3: Contrast (Minimum) | AA | ​​Partially supports​ | Almost all text meets contrast requirements. Search field visible label (placeholder) and orange numbered list may lack sufficient contrast. |
| 1.4.4: Resize text | AA | ​​Supports​ | Usable at 200% zoom. |
| 1.4.5: Images of Text | AA | ​​Partially supports​ | Most images of text are essential; images detailing mathematical equations could be presented in machine-readable formats. |
| 1.4.10: Reflow (2.1) | AA | ​​Supports​ | Responsive design presents content in a single column. |
| 1.4.11: Non-Text Contrast (2.1) | AA | ​​Supports​ | Non-text components typically meet contrast requirements. |
| 1.4.12: Text Spacing (2.1) | AA | ​​Supports​ | No issues when minimum text spacing styles are applied. |
| 1.4.13: Content on Hover or Focus (2.1) | AA | ​​Supports (N/A)​ | No content appears on hover/focus. |
| 2.1.1: Keyboard | A | ​​Supports​ | All interactive elements are keyboard operable. |
| 2.1.2: No Keyboard Trap | A | ​​Supports​ | No keyboard trap. |
| 2.1.4: Character Key Shortcuts (2.1) | A | ​​Supports (N/A)​ | No character key shortcuts. |
| 2.2.1: Timing Adjustable | A | ​​Supports (N/A)​ | No session timeout. |
| 2.2.2: Pause, Stop, Hide | A | ​​Does not support | Auto-playing video/gif content cannot be paused or stopped. |
| 2.3.1: Three Flashes or Below Threshold | A | ​​Supports (N/A)​ | No flashing content. |
| 2.4.1: Bypass Blocks | A | ​​Supports​ | Skip links to search and main; pages have landmarks. |
| 2.4.2: Page Titled | A | ​​Supports​ | Pages have descriptive titles. |
| 2.4.3: Focus Order | A | ​​Supports​ | Logical focus order across content. |
| 2.4.4: Link Purpose (In Context) | A | Supports | All link text is clear/descriptive. |
| 2.4.5: Multiple Ways | AA | ​​Supports​ | Content may be located via browse, search, category indexes, ‘Related Articles’. |
| 2.4.6: Headings and Labels | AA | ​​Supports​ | Headings and labels are descriptive and consistent. |
| 2.4.7: Focus Visible | AA | ​​Partially supports​ | Most links and components have good visible focus indicators. Sign in / Register button does not receive an initial visible focus indicator. |
| 2.5.1: Pointer Gestures (2.1) | A | ​​Supports​ | No complex pointer gestures required. |
| 2.5.2: Pointer Cancellation (2.1) | A | ​​Supports​ | Interactivity allows for cancellation. |
| 2.5.3: Label in Name (2.1) | A | ​​Supports​ | The accessible names of components match visible labels. |
| 2.5.4: Motion Actuation (2.1) | A | ​​Supports (N/A)​ | No functionality responds to device motion. |
| 3.1.1: Language of Page | A | ​​Supports​ | Page language defined as en-GB. |
| 3.1.2: Language of Parts | AA | ​​Does not support | Language of content other than the page default is not programmatically identified. |
| 3.2.1: On Focus | A | ​​Supports​ | No instances of unexpected actions on focus. |
| 3.2.2: On Input | A | ​​Supports​ | Component activation/input does not unexpectedly change context. |
| 3.2.3: Consistent Navigation | AA | ​​Supports​ | Navigation, search, ‘Related Articles’/’Recently Viewed’ sections are consistent across pages. |
| 3.2.4: Consistent Identification | AA | ​​Supports​ | Components with same functionality are identified consistently. |
| 3.3.1: Error Identification | A | ​​Supports​ | Contact form error message summary is clearly indicated and announced by AT; errors are associated with inputs. |
| 3.3.2: Labels or Instructions | A | ​​Supports​ | Labels and instructions are provided for forms, most of which are programmatically associated. |
| 3.3.3: Error Suggestion | AA | ​​Supports​ | Incomplete/invalid fields are identified in contact form, along with suggestions for valid input. |
| 3.3.4: Error Prevention (Legal, Financial, Data) | AA | ​​Supports (N/A)​ | No submission requires legal or financial commitments. |
| 4.1.1: Parsing | A | ​​Supports​ | No duplicate IDs or other parsing errors. |
| 4.1.2: Name, Role, Value | A | ​​Partially supports​ | Most components communicate state programmatically. Some expandable sections have incorrect roles assigned. |
| 4.1.3: Status Messages (2.1) | AA | ​​Partially supports​ | Most status updates are announced by AT; search result text is not announced. |