VPAT Accessibility Conformance Report

(Based on ITI VPAT©)

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| **Name of Product** | **Elsa** |
| **Date Last Updated** | **March 7, 2025** |
| Completed by | Nicola Richardson (Elsevier Digital Accessibility Team) |
| **Applicable Standards/Guidelines** | This document rates Elsa 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 15.3.1** * **Chrome 129 on Windows 10** * **NVDA screen reader 2024.3.1** * **axe DevTools extension** 4.10.0 * **ARC Toolkit extension** 5.7.5 * HeadingsMap extension 4.8.7 * **Color Contrast Analyzer** * [W3C Web Accessibility Initiative (WAI) Pages](https://www.w3.org/WAI/) * [Elsevier 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** | * Login, Header, Footer, Project List, Chapter Progress, Table of Contents * **The Write Space**: Write, Activity & Versions, Figures, LaTeX Files, Publishing Assistant |
| **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.** * **At the time of assessment, the product does not support use in Safari.** |

## 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 | 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 (N/A) |
| 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 | Partially supports |
| 1.4.12: Text Spacing (2.1) | AA | Partially supports |
| 1.4.13: Content on Hover or Focus (2.1) | AA | Does not support |
| 2.1.1: Keyboard | A | Does not support |
| 2.1.2: No Keyboard Trap | A | Supports |
| 2.1.4: Character Key Shortcuts (2.1) | A | Supports |
| 2.2.1: Timing Adjustable | A | Supports |
| 2.2.2: Pause, Stop, Hide | A | Does not support |
| 2.3.1: Three Flashes or Below Threshold | A | Supports |
| 2.4.1: Bypass Blocks | A | Does not support |
| 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 | Partially supports |
| 2.4.5: Multiple Ways | AA | Supports |
| 2.4.6: Headings and Labels | AA | Supports |
| 2.4.7: Focus Visible | AA | Does not support |
| 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 | Partially 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 | Supports (N/A) |
| 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 | Does not support |
| 3.3.2: Labels or Instructions | A | Partially supports |
| 3.3.3: Error Suggestion | AA | Does not support |
| 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:**   * Login: Alternative text for the hero image does not communicate the purpose of the image. Some decorative images are exposed to AT * Header: Some decorative icons have redundant alternative text * Write: Warning icons used in the View / Edit Mode tag do not have appropriate alternative text. Where icons are used to represent the status of a given step in a process the alternative text does not communicate the status. Images added or edited via the Figure functionality do not have alternative text. Decorative icons on section expandable buttons have redundant alternative text. The accessible names of buttons which reveal options for accepting or discarding changes do not reflect their purpose. The accessible name of the close button in side panel content does not reflect its purpose * Figures: The label provided for the Text button does not convey its purpose |
| [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:**   * Write: Color alone is used to indicate an invalid file format in the Insert Figure dialog. Color alone is used to identify tracked changes and commented text |
| [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:**   * Header: Active state styling for text-based navigational items does not meet contrast requirements (2.8:1) * Footer: Cookies consent link does not meet contrast requirements (3.8:1) * Table of Contents, Activity & Versions, Figures: The inner text of the user avatar in the header does not meet contrast requirements (4.4:1) * Project List: Text labelling and identifying readonly filters does not meet contrast requirements (2.5:1 / 4.3:1) * Table of Contents: Most table text does not meet contrast requirements (1.3:1 / 1.9:1) * Write: The ‘Outline’ heading does not meet contrast requirements (3.4:1). Placeholder text does not meet contrast requirements * Activity & Versions, Figures: The document status indicator for Private / Public does not meet contrast requirements (3.1:1 / 2.6:1) * Figures: The ‘uninserted’ text does not meet contrast requirements (4.1:1). When editing an image, the ‘done’ button text does not meet contrast requirements when in a focused state (1.6:1). The light grey color used for image counters when editing an image does not meet contrast requirements (4.47:1) |
| [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 most instances.  **Exceptions:**   * Write: The LaTeX Files navigational item is obscured when text is enlarged to 200% its original size, and other navigational items are partially obscured. Some content overlaps, is obscured or truncated when text is resized to 200% its original size * LaTeX Files: Some table content is truncated when text is resized to 200% its original size |
| [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 in most areas. |
| [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 | Most pages are not responsive. Some aspects of pages may be zoomed to 400% without necessitating horizontal scrolling and without loss of functionality/content.  **Remarks:**   * Header: User menu interactive items extend outside the viewport and are cut off at 400% browser zoom * Project List: Table content in the ‘Due Dates’ tab overlaps and is not readable at 400% browser zoom * Chapter Progress: Most table columns are not visible when viewed at 400% browser zoom * Table of Contents: Contributor tooltip information requires horizontal scrolling to access when viewed at 400% browser zoom * Write: The toolbar does not reflow and requires horizontal scrolling to access * Activity & Versions: Content does not reflow into a single column * Figures: Tooltips containing filenames require horizontal scrolling to access when viewed at 400% browser zoom. Images in the Edit view do not resize to fit the viewport width * LaTeX Files: Content overlaps, requires horizontal scrolling or is truncated to an extent that renders it unreadable |
| [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). | Partially supports | Almost all non-text UI components and graphical objects have at least a 3:1 contrast ratio against surrounding colors.  **Exceptions:**   * Figures: The ‘close’ icon in the Upload Image dialog does not meet contrast requirements (1.6:1) |
| [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 most pages to the minimum baseline properties without causing loss of content or functionality.  **Exceptions:**   * Chapter Progress: When text spacing overrides are applied to the filters popover some text content overlaps making it unreadable |
| [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 | Does not support | Most tooltips that obscure other content are not dismissible without moving pointer hover or keyboard focus. |
| [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 | Flashing content is below the defined thresholds.  **Remarks:**   * Header: When notifications are present the Help icon has a pulsating animation which is below the required threshold |

### 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:**   * Publishing Assistant: Content visibly hidden in expandable sections is always available to screen readers |
| [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 | Does not support | While most pages have some degree of keyboard operability, critical functionality such as adding text or certain content types into the content editor and some formatting options are not achievable without the use of a mouse.  **Exceptions**:   * Project List, Chapter Progress: Table column sort functionality is not keyboard operable * Chapter Progress, Write: Most tooltips are not reachable by keyboard * Header: The Help button is not keyboard operable * Chapter Progress: Buttons to access quick actions in the Milestones table are not keyboard operable * Write: Where toolbar buttons expand content not all revealed content is reachable by keyboard. Interactive controls in track changes and comment containers are not reachable by keyboard. Where configuration options for fields or tables are available in tooltips these are not reachable by keyboard. When adding a questionnaire, radio buttons to select the correct answer are not keyboard operable. Equations are interactive but not reachable by keyboard. Text-based content cannot be added into a blank content editor via keyboard alone as it requires a mouse click to place the text cursor * Figures: Filters are not keyboard operable. Tooltips containing image filenames are only available on cursor hover. When editing the last image in the collection, the ‘next’ button is active but not reachable by keyboard. Edit image controls are not keyboard operable * LaTeX Files: Delete action buttons are not keyboard operable in the table or the upload dialog |
| [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.  **Remarks:**   * The text editor in The Write Space contains multi key shortcuts for formatting such as CTRL + B for bolding text. |
| [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:**   * Chapter Progress, Write, Figures, LaTeX Files: Focus is not managed in some dialogs, focus is not moved into the dialog or contained within it * Write: On activating the Find & Replace button the revealed content cannot be accessed via a logical focus order sequence. Some elements prevent keyboard focus from progressing past them. When toolbar buttons become disabled after activation, focus is reset to the top of the document * Publishing Assistant: The assistant can be accessed in the focus order when it is hidden. When the assistant is revealed, focus is not moved into the new content or progress into it sequentially after the trigger   **Remarks:**   * Write: where elements prevent focus from progressing past them this can be circumvented by collapsing the relevant section to navigate past it, or by navigating backwards into it to reach the required content |
| [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 | Does not support | Most elements across the site do not have a visible indication of focus.  **Remarks:**   * Login, Project List, Chapter Progress, Write, LaTeX Files, Publishing Assistant: Most interactive elements do not have visible focus indicators * Header: Focus styling is present in the site navigation only on select pages |
| [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. Semantic headings are used on most pages to reflect the content topic. Many input elements have programmatically determinable labels. HTML landmark roles are used throughout with a degree of accuracy.  **Exceptions:**   * Project List, Chapter Progress: Data presented in a tabular format does not use table semantics * Table of Contents, Activity & Versions, Figures: The ‘main’ landmark is not used accurately and excludes key inner navigational items * Chapter Progress, Write: An inner navigational landmark is unnamed * Header: The relationship between the Help item and the overlapping counter is not programmatically determinable. The active state of navigation items is not programmatically determinable * Project List: The ‘readonly’ state of filters is not programmatically communicated * Chapter Progress: Text with visual prominence is not marked up as heading elements * Table of Contents: Table semantics are applied to non-tabular data. Empty column headers are present. Heading elements are used within the table and do not reflect the visual structure * Write: The Home and Insert buttons provide a visual active status which is not programmatically communicated. Stepped process visuals are not communicated to AT with appropriate semantics and attributes. Visual groupings of editable content are not programmatically determinable. Equations are not correctly read by screen readers * Activity & Versions: Page has text visually styled as headings but not marked up as such. The relationship between data in the Activity and Details section is not programmatically determinable. The Details table has an empty table header. Version History table has empty table headers * Figures: Visual groupings of image information is not programmatically determinable. Dialog to upload a new image, and the dialog close button, is hidden from screen readers. * LaTeX Files: The visual association between the number of files and the Browse button is not programmatically determinable * Publishing Assistant: Text visually styled as a heading is not marked up as such. The visual association between section heading and alerts it not programmatically available. Radio buttons in the AI Disclosure section are not programmatically associated with their group label |
| [2.4.1: Bypass Blocks](https://www.w3.org/TR/WCAG21/#bypass-blocks) (A)  Users can bypass repeated blocks of content. | Does not support | No pages feature a “Skip to Main Content” skip navigation link. Most pages do not use heading elements or landmarks sufficiently to allow AT users to easily move between 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 typically clear and descriptive. For example, most pages feature visually distinct and programmatically determinable 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 on all pages. |
| [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. | Supports (N/A) | There are no sections of text that do not match the default language of the page. |
| [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.”  **Remarks:**   * Project List, Chapter Progress, Write, Activity & Versions, Figures: Duplicate IDs are present for multiple elements |

### 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) | There are no pages on Elsa that collect personal information from 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 | Does not support | All pages use "Elsa" as the page title. |
| [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. | Partially supports | An identifiable purpose may be deduced for almost all links from the link text or surrounding context.  **Exceptions:**   * Chapter Progress, Write: The purpose of the back link in the header is not programmatically determinable * Header: The logo link destination is not determinable * Figures: Links to edit images are not labelled |
| [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. | Partially supports | Most user interface components that have visible text contain that text consistently within the accessible name.  **Exceptions:**   * Chapter Progress: Tab accessible names do not begin with the visible text label * Write: Some buttons in Figure configuration menus have accessible names which do not begin with the visible text label |
| [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 typically consistent across the site, and identified consistently where they perform the same function 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. | Does not support | There are not many opportunities for input errors but where they are encountered, they are not identified or described to the user in text.  **Remarks:**   * Figure: When an error state is triggered in the upload dialog it is not communicated in text |
| [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 most form elements, most of which are programmatically associated with their inputs.  **Exceptions:**   * Write: A collection of radio buttons in the Link References and Citations dialog does not have a group label. A field to add tags does not have a persistent visible label |
| [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. | Does not support | There are not many opportunities for error suggestions, but where opportunities exist such suggestions are not provided.  **Remarks:**   * Figure: When an error state is triggered in the upload dialog no error suggestions are given |
| [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 many have accessible names that are appropriately defined. Several ARIA attributes and roles are not present where appropriate.  **Exceptions:**   * Project List, Chapter Progress: Tabs define their role as both ‘button’ and ‘tab’ * Chapter Progress, Figures, LaTeX Files: The ‘dialog’ role is used inappropriately and is set on an entire page, rather than a specific component * Header: Menu items which reveal additional content do not communicate their expanded state programmatically * Chapter Progress: The ‘select all’ checkbox does not have an accessible name. Buttons to change the stage of a chapter in the Milestones table do not have accessible names. Milestone date text is incorrectly communicated as being button elements. Buttons to deselect all rows does not have an accessible name * Table of Contents: Controls to expand or collapse table content do not expose an interactive role or expanded state * Write: Icon-only buttons do not have accessible names. The toolbar does not expose an appropriate role to AT. The ‘show tagging’ checkbox does not have an accessible name. Some buttons use ARIA attributes inappropriately, communicating show/hide functionality when none exists. Expandable buttons do not communicate appropriate states to AT. Section headings included in the Outline panel should be in-page links rather than buttons. Where non-standard elements have been used for user input, they do not always expose an appropriate role * Activity & Versions: Checkboxes in the Version History section do not have accessible names * Figures: Checkboxes do not have accessible names. The button to draw lines on an image does not have an accessible name * Publishing Assistant: The trigger button does not programmatically indicate that it expands content on activation |
| [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 | Some status messages, such as the loading status of pages, are automatically communicated to AT.  **Exceptions:**   * Project List: The status of search results is not automatically communicated to AT * Write: When searching for unlinked references and citations, the status of the search is not automatically communicated to AT. The automatic ‘saved’ status of the document is not communicated to AT |

### 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. | Supports (N/A) | There is no pre-recorded audio-only or video-only content. |
| [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 or synchronized media in the applications. |
| [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 no synchronized media in the application. |
| [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 synchronized audio/video content nor live audio. |
| [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 in the application. |
| [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) | 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. | Does not support | A mechanism is not provided to pause, stop or hide moving content.  **Remarks:**   * Header: The unread count indicator has a persistent pulsing animation with no mechanism to pause or stop it |

### 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 | Supports | The app has a session timeout which exceeds 20 hours. |
| [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 | All pages (except steps/results of a process) may typically be located and accessed in multiple ways. |
| [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 and 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.  **Remarks:**   * The equation builder provides both path-based and keyboard-only methods for detailing formulae |
| [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 functions through the Up-Event, allowing users to potentially move their pointer off the component to cancel. |
| [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. |