

Voluntary Product Accessibility Template® (VPAT®)

EN 301 549 Edition

Version 2.4Rev

Unqork for Government Platform Accessibility Conformance Report

EN 301 549 Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: Unqork for Government Platform

Report Date: August 7, 2023

Product Description: Unqork for Government Platform empowers creators to build enterprise-grade software in a completely visual UI. Drag and drop configurable application elements representing user-facing elements, back-end logic, and integrations with legacy systems and third-party services—all without writing a single line of code. Once the application is configured, the Unqork cloud will run, maintain and operate the application on behalf of the customer therefore decreasing substantially the Total Cost of Ownership (TCO).

Contact Information:

Notes: As of the date hereof, this report reflects the current accessibility features of the Unqork for Government Platform as well as the applications configured using the Unqork for Government Platform based on WCAG 2.1 Level AA Guidelines.

Unqork is very committed to achieving the highest standard of accessibility compliance. We have made accessibility a focus during all development changes going forward. Unqork will continue performing annual assessments based on WCAG 2.1 Guidelines.

Each section Level A compliance (Table 1a and Table 1b) and Level AA compliance (Table 2a and Table 2b) consist of separate conformance reports for the Unqork for Government Platform as well as for the applications configured using the Unqork for Government Platform. We have created Unqork Configuration Best Practices guidelines which provides guidance to creators to configure applications

based on WCAG 2.1 AA Guidelines, which is included at the end of the report. Unqork Configuration Best Practices guidelines are key to configuring applications based on WCAG 2.1 Guidelines.

Evaluation Methods Used: Conformance to the listed accessibility guidance are evaluated using a combination of static analysis tools and manual testing with assistive technologies.

- **Automated Tool based testing:** [AXE chrome plugin](#)
- **Screen reader Testing:** [NVDA](#)/Chrome and [ChromeVox](#)/Chrome
- **Color Contrast Testing:** [WebAIM Color Contrast checker](#), [Color Contrast Analyzer](#).
- **Keyboard Testing:** Manual Accessibility Testing with keyboard only with Visual Focus and keyboard interactions.
- **HTML markup Validations:** Using [Axe](#) and [W3C html validators](#)

Applicable Standards/Guidelines

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

| Standard/Guideline | Included In Report - Unqork for Government Platform | Included In Report - Application configured using Unqork for Government Platform |
|--|---|---|
| Web Content Accessibility Guidelines 2.1 | Level A (Yes) Level AA (Yes) Level AAA (No) | Level A (Yes) Level AA (Yes) Level AAA (No) |

Terms

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

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

WCAG 2.x Report

Tables 1 and 2 document conformance with EN 301 549:

- Chapter 9 - Web
- Sections 10.1-10.4 of Chapter 10 - Non-Web documents
- Sections 11.1- 11.4 and 11.8.2 of Chapter 11 - Software (open and closed functionality)
- Sections 12.1.2 and 12.2.4 of Chapter 12 - Documentation

Note: When reporting on conformance with the WCAG 2.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1a: Success Criteria, Level A - Unqork for Government Platform

| Criteria | Conformance Level | Remarks and Explanations |
|--|--------------------|--|
| 1.1.1 Non-text Content (Level A) | Supports | The Unqork for Government Platform uses standard HTML and WAI-ARIA techniques for providing text equivalents of non-text elements Purely decorative elements have alt="" to be skipped by the Screen reader software. |
| 1.2.1 Audio-only and Video-only (Prerecorded) (Level A) | Not Applicable | The Unqork for Government Platform does not contain any audio or video content. |
| 1.2.2 Captions (Prerecorded) (Level A) | Not Applicable | The Unqork for Government Platform does not contain any audio or video content. |
| 1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) | Not Applicable | The Unqork for Government Platform does not use any synchronized media |
| 1.3.1 Info and Relationships (Level A) | Partially Supports | <ul style="list-style-type: none"> The content on the Unqork for Government Platform is supported by the assistive technologies which can programmatically determine the information, structure and relationships. Headings and aria-attributes are used consistently across the Unqork for Government Platform. |
| 1.3.2 Meaningful Sequence (Level A) | Partially Supports | Most of the content in the Unqork for Government Platform is linear and read clearly. |
| 1.3.3 Sensory Characteristics (Level A) | Supports | The Unqork for Government Platform doesn't solely rely on any sensory characteristics such as shape, size, visual location, orientation, or sound to understand content. |
| 1.4.1 Use of Color (Level A) | Supports | The Unqork for Government Platform doesn't use color only to convey the information. A textual representation is always used as the primary mechanism for conveying information. |

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| 1.4.2 Audio Control (Level A) | Not Applicable | The Unqork for Government Platform does not contain any audio or video content |
| 2.1.1 Keyboard (Level A) | Partially Supports | The Unqork for Government Platform supports the keyboard navigation and input functions to move between the input functions and arrow keys to move between list items and space/enter keys to make selection. Exceptions: The Unqork for Government Platform does not support drag and drop at the moment. |
| 2.1.2 No Keyboard Trap (Level A) | Partially Supports | The Unqork for Government Platform supports no trapping on main pages like Admin screen, dashboard and home page. |
| 2.1.4 Character Key Shortcuts (Level A 2.1 only) | Partially Supports | The Unqork for Government Platform supports some character key shortcuts currently. |
| 2.2.1 Timing Adjustable (Level A) | Not Applicable | The Unqork for Government Platform doesn't contain any time-based functionalities although there is a User session logout after a set time of inactivity. |
| 2.2.2 Pause, Stop, Hide (Level A) | Not Applicable | The Unqork for Government Platform doesn't include moving, blinking, scrolling or auto-updating information. |
| 2.3.1 Three Flashes or Below Threshold (Level A) | Not Applicable | The Unqork for Government Platform does not use any flashing interface elements. |
| 2.4.1 Bypass Blocks (Level A) | Supports | The grouping of the similar content and the headings /landmarks are available for the user to bypass the blocks. |
| 2.4.2 Page Titled (Level A) | Partially Supports | The Unqork for Government Platform partially supports the descriptive titles that indicate the topic or purpose of each page. |
| 2.4.3 Focus Order (Level A) | Partially Supports | The Unqork for Government Platform uses a logical tab order and uses semantically correct markup to ensure the markup matches the visual presentation. Modals. |

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| | | Exceptions: The Unqork for Government Platform partially supports the focus order especially for the modals inside the modals. |
| 2.4.4 Link Purpose (In Context) (Level A) | Supports | The Unqork for Government Platform uses descriptive text for WAI-ARIA techniques such as adding aria-labels to control icons/form fields to identify the purpose of the links. |
| 2.5.1 Pointer Gestures (Level A 2.1 only) | Partially Supports | The Unqork for Government Platform supports some functionality that are operated using multi point or path-based gestures. |
| 2.5.2 Pointer Cancellation (Level A 2.1 only) | Not Supported | The Unqork for Government Platform doesn't contain any functionality that can be operated using a single pointer. |
| 2.5.3 Label in Name (Level A 2.1 only) | Partially Supports | The Unqork for Government Platform uses some visual labels and the words association programmatically. |
| 2.5.4 Motion Actuation (Level A 2.1 only) | Not Applicable | The Unqork for Government Platform does not contain any functionality which is achieved through motion actuation. |
| 3.1.1 Language of Page (Level A) | Supports | The Unqork for Government Platform is currently supported in the English language which uses the HTML language attribute to specify the language of the page. |
| 3.2.1 On Focus (Level A) | Supports | There is no component in the Unqork for Government Platform which changes the context on receiving the focus. |
| 3.2.2 On Input (Level A) | Supports | There is no component in the Unqork for Government Platform which changes the context on receiving input. |
| 3.3.1 Error Identification (Level A) | Partially Supports | The Unqork for Government provides some error messaging on unexpected user behavior. |
| 3.3.2 Labels or Instructions (Level A) | Supports | The Unqork for Government Platform uses standard HTML and WAI-ARIA techniques like aria-labelledby and aria-describedby to associate labels and instructions. |

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| 4.1.1 Parsing (Level A) | Partially Supports | The Unqork for Government Platform uses semantically correct markup for most of the interface elements. |
| 4.1.2 Name, Role, Value (Level A) | Not evaluated | The Unqork for Government Platform is not evaluated for assistive technology. |

Table 1b: Success Criteria, Level A - Output applications configured with the Unqork for Government Platform

| Criteria | Conformance Level | Remarks and Explanations |
|---|--------------------|--|
| 1.1.1 Non-text Content (Level A) | Supports | The application uses standard HTML and WAI-ARIA techniques for providing text equivalents of non-text elements Purely decorative elements have alt="" to be skipped by the Screen reader software. |
| 1.2.1 Audio-only and Video-only (Prerecorded) (Level A) | Not Applicable | The application does not contain any audio or video content. |
| 1.2.2 Captions (Prerecorded) (Level A) | Not Applicable | The application does not contain any audio or video content. |
| 1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) | Not Applicable | The application does not use any synchronized media |
| 1.3.1 Info and Relationships (Level A) Also Applies to non-web document (PDF documents) that can be generated within the application | Partially Supports | <ul style="list-style-type: none"> The content on the application is supported by the assistive technologies which can programmatically determine the information, structure and relationships. Headings and aria-attributes are used consistently across the application. Exceptions: <ul style="list-style-type: none"> The PDF's generated are not tagged, but the content available in the PDF's are accessible by the system screen readers. The application partially supports the table and list mark ups across the pages in the application. |

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| 1.3.2 Meaningful Sequence (Level A) | Supports | The content in the application is linear and read clearly |
| 1.3.3 Sensory Characteristics (Level A) | Supports | The application doesn't solely rely on any sensory characteristics such as shape, size, visual location, orientation, or sound to understand content. |
| 1.4.1 Use of Color (Level A) | Supports | The application doesn't use color only to convey the information. A textual representation is always used as the primary mechanism for conveying information. |
| 1.4.2 Audio Control (Level A) | Not Applicable | The application does not contain any audio or video content |
| 2.1.1 Keyboard (Level A) | Partially Supports | <p>The application supports the keyboard navigation and input functions to move between the input functions and arrow keys to move between list items and space/enter keys to make selection.</p> <p>Exceptions: The application partially supports the keyboard accessibility to the clickable rows in the dashboards across the application and address drop downs.</p> |
| 2.1.2 No Keyboard Trap (Level A) | Supports | The application ensures that the keyboard users cannot be trapped in a subset of content. |
| 2.1.4 Character Key Shortcuts (Level A 2.1 only) | Not Applicable | The application doesn't support any character key shortcuts currently. |
| 2.2.1 Timing Adjustable (Level A) | Not Applicable | The application doesn't contain any time-based functionalities although there is a User session logout after a set time of inactivity. |
| 2.2.2 Pause, Stop, Hide (Level A) | Not Applicable | The application doesn't include moving, blinking, scrolling or auto-updating information. |
| 2.3.1 Three Flashes or Below Threshold (Level A) | Not Applicable | The application does not use any flashing interface elements. |
| 2.4.1 Bypass Blocks (Level A) | Supports | |

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| | | The grouping of the similar content and the headings /landmarks are available for the user to bypass the blocks. |
| 2.4.2 Page Titled (Level A) | Partially Supports | The application partially supports the descriptive titles that indicate the topic or purpose of each page. |
| 2.4.3 Focus Order (Level A) | Partially Supports | <p>The application uses a logical tab order and uses semantically correct markup to ensure the markup matches the visual presentation. Modals.</p> <p>Exceptions: The application partially supports the focus order especially for the modals inside the modals.</p> |
| 2.4.4 Link Purpose (In Context) (Level A) | Supports | The application uses descriptive text for WAI-ARIA techniques such as adding aria-labels to control icons/form fields to identify the purpose of the links. |
| 2.5.1 Pointer Gestures (Level A 2.1 only) | Not Applicable | The application doesn't contain any functionality that is operated using multi point or path-based gestures. |
| 2.5.2 Pointer Cancellation (Level A 2.1 only) | Not Applicable | The application doesn't contain any functionality that can be operated using a single pointer. |
| 2.5.3 Label in Name (Level A 2.1 only) | Supports | The application uses visual labels and the words association programmatically. |
| 2.5.4 Motion Actuation (Level A 2.1 only) | Not Applicable | The application does not contain any functionality which is achieved through motion actuation. |
| 3.1.1 Language of Page (Level A) | Supports | The application is currently supported in the English language which uses the HTML language attribute to specify the language of the page. |
| 3.2.1 On Focus (Level A) | Supports | There is no component in the application which changes the context on receiving the focus. |
| 3.2.2 On Input (Level A) | Supports | There is no component in the application which changes the context on receiving input. |
| 3.3.1 Error Identification (Level A) | Supports | The application provides capabilities for specifying error text for user interface components and uses aria-invalid to flag inputs with errors. |

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| 3.3.2 Labels or Instructions (Level A) | Supports | The application uses standard HTML and WAI-ARIA techniques like aria-labelledby and aria-describedby to associate labels and instructions. |
| 4.1.1 Parsing (Level A) | Supports | The application uses semantically correct markup for all interface elements. |
| 4.1.2 Name, Role, Value (Level A) | Supports | The application uses standard HTML and WAI-ARIA attributes to describe the identity, operation, and state of user interface elements to Assistive Technologies. |

Table 2a: Success Criteria, Level AA - Unqork for Government Platform

| Criteria | Conformance Level | Remarks and Explanations |
|--|--------------------|--|
| 1.2.4 Captions (Live) (Level AA) | Not Applicable | The Unqork for Government Platform does not contain any audio or video content. |
| 1.2.5 Audio Description (Prerecorded) (Level AA) | Not Applicable | The Unqork for Government Platform does not contain any audio or video content. |
| 1.3.4 Orientation (Level AA 2.1 only) | Not Evaluated | The Unqork for Government Platform is currently not evaluated for the Mobile layouts or orientations. |
| 1.3.5 Identify Input Purpose (Level AA 2.1 only) | Supports | The Unqork for Government Platform uses standard HTML and WAI-ARIA techniques to identify the input purposes of the form fields programmatically |
| 1.4.3 Contrast (Minimum) (Level AA) | Partially Supports | Most of the textual content in the Unqork for Government Platform uses sufficient foreground to background contrast ratios. The application uses approved colors/styling consistently across the pages. |
| 1.4.4 Resize text (Level AA) | Supports | The Unqork for Government Platform functionalities work well up to 200% zoom |

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| | | text resize with browser scaling/zooming functionalities. |
| 1.4.5 Images of Text (Level AA) | Supports | The Unqork for Government Platform does not use any images of text by default. |
| 1.4.10 Reflow (Level AA 2.1 only) | Partially Supports | The Unqork for Government Platform functionalities operate without scrolling content. Exception : Scrolling is not supported when modal is open in some instances. |
| 1.4.11 Non-text Contrast (Level AA 2.1 only) | Partially Supports | The Unqork for Government Platform uses User interface components/graphical objects across most of the pages. |
| 1.4.12 Text Spacing (Level AA 2.1 only) | Partially Supports | The Unqork for Government Platform uses standard markup supporting the text styling properties which doesn't have any functionality or content loss on changing the style property. Exception : The text appears too close when there is a lot of text content on some of the pages. |
| 1.4.13 Content on Hover or Focus (Level AA 2.1 only) | Supports | The Unqork for Government Platform does not contain any functionality which triggers the content changes on hover or focus. |
| 2.4.5 Multiple Ways (Level AA) | Supports | The Unqork for Government Platform provides capabilities of navigating within the application in the form of Vertical navigation menu across the pages. |
| 2.4.6 Headings and Labels (Level AA) | Partially Supports | The Unqork for Government Platform uses sufficient heading markups and labels for most of the interface elements. |
| 2.4.7 Focus Visible (Level AA) | Partially Supports | The Unqork for Government Platform uses visual changes/visual focus indicators to indicate the current position of focus on most of the interface elements. |
| 3.1.2 Language of Parts (Level AA) | Not Applicable | The Unqork for Government Platform currently supports English language only. |
| 3.2.3 Consistent Navigation (Level AA) | Partially Supports | The Unqork for Government Platform uses consistent navigation mechanisms across most of the pages. |

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| 3.2.4 Consistent Identification (Level AA) | Supports | The Unqork for Government Platform uses standard component library for functionality and presentation across the pages. |
| 3.3.3 Error Suggestion (Level AA) | Partially Supports | The Unqork for Government Platform follows standard WAI-ARIA techniques to provide suggestions for correcting most errors such as aria-required for the required form fields. |
| 3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) | Not Applicable | |
| 4.1.3 Status Messages (Level AA 2.1 only) | Supports | The Unqork for Government Platform uses required WAI-ARIA techniques like alerts for role=alert for error messages on page before user navigates out. |

Table 2b: Success Criteria, Level AA - Output applications configured using the Unqork for Government Platform

| Criteria | Conformance Level | Remarks and Explanations |
|--|-------------------|--|
| 1.2.4 Captions (Live) (Level AA) | Not Applicable | The application does not contain any audio or video content. |
| 1.2.5 Audio Description (Prerecorded) (Level AA) | Not Applicable | The application does not contain any audio or video content. |
| 1.3.4 Orientation (Level AA 2.1 only) | Not Evaluated | The application is not evaluated for the Mobile layouts or orientations. |
| 1.3.5 Identify Input Purpose (Level AA 2.1 only) | Supports | The application uses standard HTML and WAI-ARIA techniques to identify the input purposes of the form fields programmatically |
| 1.4.3 Contrast (Minimum) (Level AA) | Supports | Most of the textual content in the application uses required foreground to background contrast ratios. The application uses approved colors/styling consistently across the pages. |

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| 1.4.4 Resize text (Level AA) | Supports | The application functionalities work well up to 200% zoom Text/content resize with browser scaling/zooming functionalities. |
| 1.4.5 Images of Text (Level AA) | Supports | The application does not use any images of text by default. |
| 1.4.10 Reflow (Level AA 2.1 only) | Supports | The application functionality operates without scrolling content. |
| 1.4.11 Non-text Contrast (Level AA 2.1 only) | Supports | The application uses User interface components/graphical objects consistently across the pages and the approved styling across the applications. |
| 1.4.12 Text Spacing (Level AA 2.1 only) | Supports | The application uses standard markup supporting the text styling properties which doesn't have any functionality or content loss on changing the style property. |
| 1.4.13 Content on Hover or Focus (Level AA 2.1 only) | Supports | The application does not contain any functionality which triggers the content changes on hover or focus. |
| 2.4.5 Multiple Ways (Level AA) | Supports | The application provides capabilities of navigating within the application in the form of Vertical navigation menu across the pages. |
| 2.4.6 Headings and Labels (Level AA) | Supports | The application uses the required heading markups and labels for all the interface elements. |
| 2.4.7 Focus Visible (Level AA) | Supports | The application uses visual changes/visual focus indicators to indicate the current position of focus |
| 3.1.2 Language of Parts (Level AA) | Not Applicable | The application currently supports English language only. |
| 3.2.3 Consistent Navigation (Level AA) | Supports | The application uses consistent navigation mechanisms across the pages. |
| 3.2.4 Consistent Identification (Level AA) | Supports | The application uses standard component library for functionality and presentation across the pages. |
| 3.3.3 Error Suggestion (Level AA) | Supports | The application uses standard WAI-ARIA techniques to provide suggestions for correcting errors such as aria-required for the required form fields. |

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| 3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) | Supports | The application functionality allows the form submissions to be reversible and allows users to review and confirm prior to submission. |
| 4.1.3 Status Messages (Level AA 2.1 only) | Partially Supports | <p>The application follows WAI-ARIA techniques such as alerts for role=alert for error messages on form field entries and submissions.</p> <p>Exceptions: The status messages are partially supported using the aria-labels.</p> |

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Unqork Accessible Configuration Best Practices:

Accessibility Area: Contrast

Unqork recommended solution:

Contrast issues can be resolved by changing the color values in your CSS. Once identified in your report, work with a designer to determine the updated color values and apply these to your application's theme. For more information about application styling please see the academy training series.

Accessibility Area: Focus movement on the page

Unqork recommended solution:

Focus movement on the page is based on the arrangement of components in your configuration. *There is no way to control tabindex from CSS, and it requires changing the underlying component HTML to include the `tabindex` property.*

Accessibility Area: Missing page title

Unqork recommended solution:

The page title should be set in the Module Settings in your configuration. *Possible with javascript: in a Content component, add a script tag containing document.title = "This is the new page title.";*

Accessibility Area: Signature component is not keyboard accessible

Unqork recommended solution: If the signature needs to be legally binding, we suggest building out the signing experience using a third-party service (i.e., DocuSign). These services also help handle document management and versioning.

Accessibility Area: Charts and Graphs are not screen reader accessible

Unqork recommended solution:

- Consider presenting data in multiple formats.
- Alt text explaining the charts and graphs. Reference the following articles for guidance:
- <https://blog-nrrd.doi.gov/beyond-auto/>
- <https://huit.harvard.edu/news/creating-accessible-charts-and-graphs>

Accessibility Area: Drop-down values are not screen reader accessible

Unqork recommended solution:

Drop-down values are accessible to screen readers. However, the focus order can be set or changed in configuration. These values must be in a logical order.

Accessibility Area: Keyboard focus not visible on Radio Buttons and Checkboxes components

Unqork recommended solution:

If you are finding that there is no visible indication of hover or “active” (tabbed state) for your Radio Buttons or Checkboxes, it is possible that you have a conflicting style in your theme that is removing the outline. It is best practice to use the dev inspector in your browser to identify this CSS. Most likely, it will be an outline: none; on the radio or checkbox element. Hover/active states can always be added to your applications theme CSS.

Accessibility Area: Screen reader is not reading checkbox values

Unqork recommended solution: For elements in a group, arrow keys and space bars are standard for focus. Either option is acceptable.

Accessibility Area: Dates in a calendar are not screen reader accessible

Unqork recommended solution: Consider using three fields to represent month, day, and year. Assemble them in a calculator post-entry to output a single date field for the data.

Accessibility Area: Keyboard focus not visible on pop-up modals

Unqork recommended solution: Consider using hide/show logic for a section of the main page instead of a pop-up for conditional data input. Or, inline errors instead of pop-up errors.