

Siemens Active Workspace 5.1 Accessibility Conformance Report

VPAT® Version 2.1 – March 2018

Name of Product/Version: Active Workspace 5.1 for Teamcenter

Product Description: Active Workspace client for Teamcenter is a virtual gateway to company's product information connecting all who need to collaborate with product and process knowledge. Teamcenter enables you to digitally manage product and manufacturing data in the context of the product life cycle.

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Notes:

Evaluation Methods Used: Manual Testing using Siteimprove Browser Extension, Screen Reader, Accessibility Insights for Web, AXE Plugin, Nu HTML Checker

Restricted

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Applicable Standards/Guidelines

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

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0, at http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017	Yes

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.
- **Supports with Exceptions:** 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 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 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 1: Success Criteria, Level A

Notes: Table 1 applies to Web Software only

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports with Exception	<p>Active Workspace uses standard HTML and WAI-ARIA techniques for providing text equivalents of non-text elements. This includes the use of “alt” attributes for images and the use of “aria-label” or “aria-describedby” attributes for other visual elements.</p> <p>At the framework level most of the widgets have ARIA attributes (for non-native elements) but there still are other areas of the product which will be updated in future releases.</p> <p>Some of the exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • In Requirements Management, the command icons on the document preview are missing alt text. • In Program Planning, the criteria table’s status indicators are missing alt text. • In ACE, the BOM table’s icon headings are missing alt text.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	Active Workspace does not include prerecorded audio-only or prerecorded video-only content.

Criteria	Conformance Level	Remarks and Explanations
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	Active Workspace does not include prerecorded synchronized media content.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	Active Workspace does not include prerecorded video content.
1.3.1 Info and Relationships (Level A)	Supports with Exception	<p>Majority of the Active Workspace framework uses semantically correct markup so that information, structure, and relationships can be understood independent of presentation.</p> <p>Tables are used for tabular data and data cells are associated with their headers. Data table captions, if present, are associated to data tables or appropriate ARIA definitions are provided. Text labels are associated with form input elements.</p> <p>Some of the reported exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • Some forms in panels have grouping missing for checkboxes and radio buttons. • Some input fields have no description or ARIA labels are missing.
1.3.2 Meaningful Sequence (Level A)	Supports	<p>The reading and navigation order (determined by code order) is logical and intuitive. Positioning content is based on structural markup and the DOM order matches the visual order.</p> <p>Order of the right or bottom grouped commands intentionally follow the priority order wherein the sequence is in reverse order.</p>
1.3.3 Sensory Characteristics (Level A)	Supports	In Active Workspace, instructions do not rely upon shape, size, or visual location (e.g., "Click the square icon to continue" or "To go to next page, press the button to the right."). Also, instructions do not rely upon sound.

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.1 Use of Color (Level A) Also applies to:</p>	Supports with Exception	<p>In Active Workspace color is not used as the sole method of conveying content or distinguishing visual elements.</p> <p>Some exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • In Authorization page, there is a redundant link which has incorrect styling applied. • In Program Manager vertical color band in program board doesnt have legend or tooltip to highlight the category
<p>1.4.2 Audio Control (Level A)</p>	Not Applicable	Active Workspace does not include audio or video content.
<p>2.1.1 Keyboard (Level A)</p>	Supports with Exception	<p>Active Workspace is a web-based application that supports standard keyboard navigation and input functions (such as pressing [Tab] to move between input fields, pressing the arrow keys to move between list items, and pressing [Space] or [Enter] to make selections).</p> <p>At the framework level most of the widgets support keyboard navigation but there still are other areas of the product which will be updated in future releases.</p> <p>Some exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • Keyboard does not select the command defined on aw-list-command directive. • In Schedules Manager filters panel when user deletes a filter keyboard focus is lost.
<p>2.1.2 No Keyboard Trap (Level A)</p>	Supports with Exception	<p>For the framework level components which have Keyboard navigation support no keyboard traps were found.</p> <p>However, some violations were found in the product.</p> <p>The main exception found is when a table is put into edit mode and a user attempts to use “Shift+Tab” to navigate the interactive elements inside the table. The keyboard focus gets trapped and loops through the interactive elements of the table. This will be fixed in a future release.</p>

Criteria	Conformance Level	Remarks and Explanations
2.2.1 Timing Adjustable (Level A)	Supports	Informational messages can be paused by key press or mouse click or configured to not time out.
2.2.2 Pause, Stop, Hide (Level A)	Supports	Active Workspace does not contain any moving, blinking, or automatic continuous scrolling content.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	Active Workspace does not use flashing interface elements.
2.4.1 Bypass Blocks (Level A)	Supports	<p>A link is provided in the product to skip to main content. Also, proper heading structure and landmarks are defined in the product.</p> <p>In future releases more bypass blocks will be introduced.</p>
2.4.2 Page Titled (Level A)	Supports with Exception	<p>Web pages within the Active Workspace have unique titles that indicate the topic or purpose of each page.</p> <p>However, some exceptions were reported and those will be fixed in future releases:</p> <ul style="list-style-type: none"> In a few Reports Pages, the title is not the same as shown in page heading.
2.4.3 Focus Order (Level A)	Supports with Exception	<p>Active Workspace uses a logical tab order through interactive elements, such as links and form controls. The navigation order of links, form elements, etc. Is logical & intuitive.</p> <p>However, there are some violations reported in the third-party widgets like Gantt chart, and in areas like Visualization. Also, in a reported instance when a popup menu or panel is closed the focus moves to a different command.</p>

Criteria	Conformance Level	Remarks and Explanations
2.4.4 Link Purpose (In Context) (Level A)	Supports with Exception	<p>Active Workspace framework widgets use descriptive text or WAI-ARIA techniques, such as adding an “aria-label” attribute to links and link commands but not all have been corrected so far and will be addressed in future releases.</p> <p>However, some exceptions were reported and those will be fixed in future releases:</p> <ul style="list-style-type: none"> • Some violations were reported about the same link text used for different destinations. • In the Audit Subscribe on the ‘Follow’ panel the text of the selected object is misleading as it takes to the incorrect sub panel.
3.1.1 Language of Page (Level A)	Supports	Active Workspace uses the language attribute on the HTML element to specify the default language of a page. The framework code introduces the Lang attribute by default.
3.2.1 On Focus (Level A)	Supports	When a component in user interface receives focus, it does not initiate a change of context.
3.2.2 On Input (Level A)	Supports with Exception	<p>Changing the setting of a component in user interface does not initiate a change of context.</p> <p>Some of the reported violations are listed below and these issues will be resolved in future releases.</p> <ul style="list-style-type: none"> • Some instances of missing buttons on forms. • Other exceptions also reported where the focus changes on input: • Table LOV loses focus after selection. • In a third party widget Kanban Board the focus is lost when a section is collapsed
3.3.1 Error Identification (Level A)	Supports	When input errors are detected, they are described to the user in text, including the identification of the item where the error occurred.

Criteria	Conformance Level	Remarks and Explanations
3.3.2 Labels or Instructions (Level A)	Supports with Exception	Active Workspace uses standard HTML and WAI-ARIA attributes to associate labels and instructions to user interface elements. Sufficient labels, cues, and instructions for required interactive elements are provided via instructions, examples, properly positioned form labels, and/or fieldsets/legends. Some exceptions are listed below and will be fixed in future releases: <ul style="list-style-type: none"> Filter field in panels does not have area-label description Markup panel text editor does not have area-label description
4.1.1 Parsing (Level A)	Supports	Active Workspace uses semantically correct markup or ARIA techniques. The markup is programmatically generated to prevent parsing errors.
4.1.2 Name, Role, Value (Level A)	Supports with Exception	Active Workspace uses standard HTML and WAI-ARIA attributes to describe the identity, operation, and state of user interface elements to Assistive Technologies. Some exceptions are listed below and will be fixed in future releases: <ul style="list-style-type: none"> In Submit to Workflow and some other panels the hidden Iframes are missing titles. In Export to Excel panel the form is missing buttons.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	Active Workspace does not use synchronized media.
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	Active Workspace does not use synchronized media.
1.4.3 Contrast (Minimum) (Level AA)	Supports with exception	The visual presentation of text in the Active Workspace provides sufficient contrast in most cases. Some of the exceptions are listed below and will be fixed in future releases: <ul style="list-style-type: none"> In Requirement Management some chipsets have color contrast issues For tables that are in edit mode, color contrast fails to pass when a row is selected as fields

Criteria	Conformance Level	Remarks and Explanations
		<p>that are editable are no longer apparent.</p> <ul style="list-style-type: none"> In Enterprise BOM there are some elements in the panel with contrast issues
1.4.4 Resize text (Level AA)	Supports with Exception	<p>Active Workspace user interfaces support standard zoom capabilities built into modern web browsers and operating systems.</p> <p>Some of the violations on resizing to 200% are listed below:</p> <ul style="list-style-type: none"> Tables with freeze columns doesn't render completely. Some of the content within the split views and panels do not render completely.
1.4.5 Images of Text (Level AA)	Supports	Active Workspace does not use images of text by default.
2.4.5 Multiple Ways (Level AA)	Supports	Active Workspace is a single page application and there are multiple ways to reach various content within the application.
2.4.6 Headings and Labels (Level AA)	Supports with Exception	<p>Active Workspace uses semantically correct markup for all interface elements, including headings and labels. Page headings and labels for form and interactive controls are informative.</p> <p>Some exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> In Configurator some of the form controls in a panel are missing labels In Schedule Manager some object tiles in panels are missing labels
2.4.7 Focus Visible (Level AA)	Supports with Exception	<p>In Active Workspace it is visually apparent which page element has the current keyboard focus (i.e., as you tab through the page, you can see where you are). A distinct blue outline is shown on keyboard focus.</p> <p>Some of the reported violations on focus visibility are listed below :</p> <ul style="list-style-type: none"> Graphical components like diagrams, workflow and relations browser do not have keyboard focus Tiles in Kanban board do not have keyboard focus
3.1.2 Language of Parts (Level AA)	Supports with exception	The language of page content that is in a different language is identified using the lang attribute

Criteria	Conformance Level	Remarks and Explanations
AA)		<p>(e.g., <blockquote lang="es">).</p> <p>Some exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • One instance where the language of part is incorrect in the Requirements Manager comments panel and Document management. • Markup text editor Control panel in Document management needs language designation.
3.2.3 Consistent Navigation (Level AA)	Supports with exception	<p>Links or buttons in each navigational mechanism are presented in the same relative order each time they appear.</p> <p>Some exceptions are listed below and will be fixed in future releases:</p> <ul style="list-style-type: none"> • Back button on program relations panel is missing • In Program planning the breadcrumb is not shown in the header but inside the page content • Navigating the radio button in 'show cross-reference as:' pop-up dialog in Requirement Management is not consistent with rest of AW.
3.2.4 Consistent Identification (Level AA)	Supports	Active Workspace components are identified consistently
3.3.3 Error Suggestion (Level AA)	Supports with exception	<p>In Active Workspace text descriptions are provided to identify required fields that were not completed. Active Workspace provides client-side validation and alerts the user of any errors.</p> <p>Some of the reported violations listed below:</p> <ul style="list-style-type: none"> • In Schedule Manager the guidance message is generic and does not convey which value is causing error • In Schedule Manager error message is not thrown on click of "create" button in create schedule panel, when the Timezone field has invalid value. • In Program timeline, Error message is not shown when user does not have access to delete event/project

Criteria	Conformance Level	Remarks and Explanations
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	Use of the Active Workspace web application does not inherently cause legal commitments or financial transactions to occur.

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Notes:

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports with Exception	Active Workspace uses ARIA attributes that the screen readers can read for users without vision.
302.2 With Limited Vision	Supports with Exception	Active Workspace has ways of increasing text and icon size to help users with limited vision.
302.3 Without Perception of Color	Supports	Active Workspace does not use color only to convey information.
302.4 Without Hearing	Supports	Active Workspace has no audio-only feedback.
302.5 With Limited Hearing	Supports	Active Workspace has no audio-only feedback.
302.6 Without Speech	Supports	Active Workspace has no speech-only input.
302.7 With Limited Manipulation	Supports with Exception	Active Workspace supports keyboard navigation.
302.8 With Limited Reach and Strength	Supports with Exception	Usage of the product does not require fine motor controls nor simultaneous actions.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Active Workspace uses a logical focus order. The interface is consistent, intuitive, and simple to navigate.

Chapter 4: [Hardware](#)

Notes: Not applicable as this product is not a hardware

Chapter 5: [Software](#)

Notes: Active Workspace is a web application, not a software product.

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not Applicable	Active Workspace is not a platform software as defined by Section 508.
502.2.2 No Disruption of Accessibility Features	Not Applicable	Active Workspace is not a platform software as defined by Section 508.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not Applicable	
502.3.2 Modification of Object Information	Not Applicable	
502.3.3 Row, Column, and Headers	Not Applicable	
502.3.4 Values	Not Applicable	
502.3.5 Modification of Values	Not Applicable	
502.3.6 Label Relationships	Not Applicable	
502.3.7 Hierarchical Relationships	Not Applicable	
502.3.8 Text	Not Applicable	
502.3.9 Modification of Text	Not Applicable	
502.3.10 List of Actions	Not Applicable	
502.3.11 Actions on Objects	Not Applicable	
502.3.12 Focus Cursor	Not Applicable	
502.3.13 Modification of Focus Cursor	Not Applicable	
502.3.14 Event Notification	Not Applicable	
502.4 Platform Accessibility Features	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not Applicable	
503.3 Alternative User Interfaces	Not Applicable	
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	
503.4.2 Audio Description Controls	Not Applicable	
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	See WCAG 2.0 section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	
504.2.2 PDF Export	Not Applicable	
504.3 Prompts	Not Applicable	
504.4 Templates	Not Applicable	

Chapter 6: [Support Documentation and Services](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	This content is posted in Siemens Support Center and it list all the accessibility and compatibility features
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	Support documentation is available online in downloadable format
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	This content is posted in Siemens Support Center and it list all the accessibility and compatibility features

Criteria	Conformance Level	Remarks and Explanations
603.3 Accommodation of Communication Needs	Supports	Support services are available online or via phone

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