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# SkyCiv Accessibility Conformance Report

Name of Product/Version: SkyCiv Structural 3D v5.0

Date: 15<sup>th</sup> June 2021

## 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 <a href="http://www.w3.org/TR/2008/REC-WCAG20-20081211/">http://www.w3.org/TR/2008/REC-WCAG20-20081211/</a>	Level A (Yes / No ) Level AA (Yes / No ) Level AAA (Yes / No )
Web Content Accessibility Guidelines 2.1 at <a href="https://www.w3.org/TR/WCAG21/">https://www.w3.org/TR/WCAG21/</a>	Level A (Yes / No ) Level AA (Yes / No ) Level AAA (Yes / 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 2.0 Level AAA.

## Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.1.1 Non-text Content</a> (Level A)	Does not Support	SkyCiv has very limited non-text content and alternative text is not provided for all of the images.
<a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a> (Level A)	Not Applicable	The Web application contains no audio-only or video-only content.
<a href="#">1.2.2 Captions (Prerecorded)</a> (Level A)	Not Applicable	The Web application contains no audio-only or video-only content.
<a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a> (Level A)	Not Applicable	The Web application contains no audio-only or video-only content.
<a href="#">1.3.1 Info and Relationships</a> (Level A)	Does not Support	All information present in SkyCiv application is not properly organised as per the HTML Specifications due to which a person with visual disabilities is unable to understand the document structure and relationship of information.  For Example: <ul style="list-style-type: none"> <li>- Table is not accessible.</li> <li>- Headings are not tagged in heading structure.</li> </ul>
<a href="#">1.3.2 Meaningful Sequence</a> (Level A)	Supports	Reading order is correct as per the DOM s
<a href="#">1.3.3 Sensory Characteristics</a> (Level A)	Not Applicable	Application does not contain any information which is depend on shape,site etc.
<a href="#">1.4.1 Use of Color</a> (Level A)	Supports with exceptions	Alternative information is not available for the information based on color, in few cases. Most support color and
<a href="#">1.4.2 Audio Control</a> (Level A)	Not Applicable	The Web application contains no audio-only or video-only content.
<a href="#">2.1.1 Keyboard</a> (Level A)	Supports with exceptions	Most of the elements present in the application accessible via keyboard however, there are few exceptions present in the application.

		For Example: Logout link is inaccessible. Scale Slider is inaccessible.
<a href="#">2.1.2 No Keyboard Trap</a> (Level A)	Supports	Keyboard focus is moving sequentially and it is convenient to access the functionality throughout the website.
<a href="#">2.1.4 Character Key Shortcuts</a> (Level A 2.1 only)	Supports	Application contains shortcut keys for functionality
<a href="#">2.2.1 Timing Adjustable</a> (Level A)	Not Applicable	The website / web application does not feature any time limits.
<a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)	Not Applicable	The website / web application does not feature any time limits.
<a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)	Not Applicable	SkyCiv does not have any flashing or below threshold content.
<a href="#">2.4.1 Bypass Blocks</a> (Level A)	Does not Support	Skip to main content link is missing in the application for skip the repetitive content.
<a href="#">2.4.2 Page Titled</a> (Level A)	Not Applicable	Only frame information change as p action instead of redirecting the new page so there is no need of unique page title.
<a href="#">2.4.3 Focus Order</a> (Level A)	Supports	Focus does not shift automatically to the respective content after selecting the link/button.
<a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)	Supports	Most of the links present in the application has sufficient link text, which describes the purpose of these links. -
<a href="#">2.5.1 Pointer Gestures</a> (Level A 2.1 only)	Supports	There is no action performed automatically as soon the gesture receive on devices.
<a href="#">2.5.2 Pointer Cancellation</a> (Level A 2.1 only)	Supports	No action done automatically on pointer out and In gesture automatically.
<a href="#">2.5.3 Label in Name</a> (Level A 2.1 only)	Supports	All labels in the application include text and the same text is defined in the code as well to

		assist speech recognition technologies.
<a href="#">2.5.4 Motion Actuation</a> (Level A 2.1 only)	Supports	There is no motion perform automatically on devices.
<a href="#">3.1.1 Language of Page</a> (Level A)	Supports	Appropriate document language is specified on each page of the application. Lang attribute in html lang as per the specificat
<a href="#">3.2.1 On Focus</a> (Level A)	Supports	On focus in SkyCiv only directs the user to where she is on the page, and perform some actions. No interactive element is being triggered automatically on receiving the focus.
<a href="#">3.2.2 On Input</a> (Level A)	Supports	On Input, in application does not contain any instance where action perform automatically without notifying to user.
<a href="#">3.3.1 Error Identification</a> (Level A)	Not Applicable	Errors are not notified to user automatically as soon as it appears on page.
<a href="#">3.3.2 Labels or Instructions</a> (Level A)	Does not Support	For most of the interactive elements appropriate labeling is missing.
<a href="#">4.1.1 Parsing</a> (Level A)	Not Evaluated	Code level checkpoint is not performed.
<a href="#">4.1.2 Name, Role, Value</a> (Level A)	Partially Supports	Most of the web elements have a proper label associated with their role and screen reader is recognizing them correctly with updated values as well. However, there are multiple instances where screen reader is not reading the label, role and the current state of a particular element:

## Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.2.4 Captions (Live)</a> (Level AA)	Not Applicable	
<a href="#">1.2.5 Audio Description (Prerecorded)</a> (Level AA)	Not Applicable	
<a href="#">1.3.4 Orientation</a> (Level AA 2.1 only)	Supports	SkyCiv is a fully responsive web application, and supports cross-browser / device combinations, including adjusting orientation to the device being used.
<a href="#">1.3.5 Identify Input Purpose</a> (Level AA 2.1 only)	Supports	Interactive fields in SkyCiv are clearly labeled, with info-tips for more information to direct the user to enter the data the field expects.
<a href="#">1.4.3 Contrast (Minimum)</a> (Level AA)	Partially Supports	Color scheme is appropriate and color contrast ratio of most of the interactive elements is equal to or greater than the standard ratio 4.5:1. However, there are a few exceptions where the contrast ratio is less than the standard ratio.
<a href="#">1.4.4 Resize text</a> (Level AA)	Supports	SkyCiv is a fully responsive web application. At zoom's of 200%, SkyCiv responds to that resolution by adjusting the UI as it would if the user was on a smart phone.
<a href="#">1.4.5 Images of Text</a> (Level AA)	Not Applicable	Application does not contain any text dependent image.
<a href="#">1.4.10 Reflow</a> (Level AA 2.1 only)	Supports	Application does not horizontal scrollbar at 400% browser zoom..
<a href="#">1.4.11 Non-text Contrast</a> (Level AA 2.1 only)	Does not Supports	SkyCiv does not have a contrast ratio of at least 3:1 against

		adjacent color(s) on user interface components.
<a href="#">1.4.12 Text Spacing</a> (Level AA 2.1 only)	Supports	SkyCiv is compliant with WCAG Text spacing requirements.
<a href="#">1.4.13 Content on Hover or Focus</a> (Level AA 2.1 only)	Supports	Most of SkyCiv's input and info icons can be hovered over for more information. Clicking will open relevant docs (where possible)
<a href="#">2.4.5 Multiple Ways</a> (Level AA)	Supports	Consistent header and sidebar links are provided for access all the functionalities present in the application..
<a href="#">2.4.6 Headings and Labels</a> (Level AA)	Supports	Headings and Labels in SkyCiv provide sufficient detail of the content they are describing.
<a href="#">2.4.7 Focus Visible</a> (Level AA)	Does not Support	Focus indicator is missing for all interactive elements present in the application.
<a href="#">3.1.2 Language of Parts</a> (Level AA)	Not Applicable	Application does not contain any other language.
<a href="#">3.2.3 Consistent Navigation</a> (Level AA)	Supports	Header and Sidebar links position consistent throughout the application..
<a href="#">3.2.4 Consistent Identification</a> (Level AA)	Supports	Any global functions in SkyCiv has same user experience and features, and are identified the same way regardless of context.
<a href="#">3.3.3 Error Suggestion</a> (Level AA)	Supports	Error messages are sufficient enough to describe the errors..
<a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a> (Level AA)	Supports	.
<a href="#">4.1.3 Status Messages</a> (Level AA 2.1 only)	Not Applicable	Application does not contain any form fields which required status messages.

## Section 508 Report

**Table 3: Functional Performance Criteria (FPC)**

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports with exceptions	The application is not supported by Screen reader JAWS as labeling is missing, role is missing for most of the interactive elements.  SkyCiv has a Voice recognition app that can be installed to use the software.
302.2 With Limited Vision	Supports with exceptions	Content of the application is easily readable when the application resizes up to 200%. Few, web elements available in the application have sufficient contrast ratio i.e. greater than 4.5:1. Also, all the functionality is not visible on high contrast mode ON.
302.3 Without Perception of Color	Supports	Results are visible in both color AND text format. E.g. design results are lit green/red, with corresponding "PASS" or "FAIL" terms and utility ratios (< 1 is fail)
302.4 Without Hearing	Not Applicable	No Audio and Video present in the application.
302.5 With Limited Hearing	Not Applicable	No Audio and Video present in the application.
302.6 Without Speech	Not Applicable	Speech is not required to complete any task.
302.7 With Limited Manipulation	Not Applicable	There are no complicated keyboard actions required in the application to perform any task, which requires simultaneous actions or fine motor control.
302.8 With Limited Reach and Strength	Supports with exceptions	Motor Impaired users are able to use the software using the keyboard shortcuts and the S3D Voice activation app. Requires some assistance

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		getting started, but keyboard and voice can be used to model and use the software.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The application does not support the users with cognitive disabilities as most of the fields does not have appropriate labeling.