Accessibility Audit Conformance Report WCAG Edition

(Based on VPAT® Version 2.5)

"GOA Shipyard Limited"

Website

"GOA Shipyard Limited"

VERSION 2.0

Prepared By -

AKS Information Technology Services Pvt Ltd,
B-21, Sector -59, Noida -201309
Tel: +91 120 4545911
Fax: +91 120 4243669
Website: http://www.aksitservices.co.in

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Document Reference:

Item	Description
Document Title:	Accessibility Audit Conformance Report WCAG Edition – "GOA Shipyard Limited"
Department:	Application Security
Publish Date:	10 October 2025

Author(s) Details:

Author(s)			
Auditor			
Name	***Designation***	***Start Date***	***End Date***
Mr. Prathmesh Ashok Yadav	Infosec Consultant	25 August 2025	08 October 2025
Prepared By			
Name	***Designation***	***End Date of Preparation***	
Mr. Prathmesh Ashok Yadav	InfoSec Consultant	08 October 2025	
Reviewed by			
Name	***Designation***	***Date of Review***	
Mr. Vishrant Ojha	Asst. Manager - Application Security	09 October 2025	
Approved by			
Name	***Designation***	***Date of Approval***	
Mr. Rohit Singh Chauhan	AVP – Application Security	10 October 2025	

Document Distribution List			
Name	**Organization**	**Designation**	**Email Id**
Abhishek	Softgen Technologies PVT. LTD.	--	sm@softgentech.com

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Introduction

Objectives:

The objective of the accessibility audit was to evaluate the conformance of the website and mobile application with the Web Content Accessibility Guidelines (WCAG) 2.1, specifically at Level A, AA and AAA. The assessment focused on key aspects such as perceivability, operability, understandability, and robustness to ensure that digital content and functionality are accessible to users with diverse abilities. The audit aimed to identify barriers to accessibility, highlight areas for improvement, and promote an inclusive, user-centric digital experience. The evaluation also aligned with relevant national e-governance accessibility standards and international best practices for digital accessibility.

Methodology & Standard:

Consultants at AKS IT Services Pvt. Ltd. employed an Accessibility Compliance Testing Methodology designed to provide a comprehensive evaluation of websites and applications in accordance with the Web Content Accessibility Guidelines (WCAG) 2.1, Levels A and AA.

The methodology followed a hybrid approach, combining the use of advanced automated accessibility testing tools with thorough manual inspection techniques. This process assessed critical accessibility principles including perceivability, operability, understandability, and robustness to determine conformance with WCAG 2.1 success criteria.

Through a systematic evaluation, the methodology identified accessibility barriers and provided actionable remediation recommendations, supporting the development of inclusive, user-friendly digital platforms in line with global accessibility standards.

Standard:

The Web Content Accessibility Guidelines (WCAG) 2.1, Levels A and AA, were applied for the comprehensive accessibility audit of the 'GOA Shipyard Limited' website. The audit focused on evaluating the application's adherence to WCAG 2.1 success criteria, emphasizing core accessibility principles such as perceivability, operability, understandability, and robustness. The objective was to ensure the application provides an inclusive and accessible user experience for individuals with diverse abilities, while aligning with global accessibility standards and supporting the goals of digital inclusion and compliance with national e-governance accessibility requirements.

Application Standards/Guidelines

S. No.	Standard/Guideline	Included in Report
1.	Web Content Accessibility Guidelines 2.0	1. Level A (Yes) 2. Level AA (Yes) 3. Level AAA (No)
2.	Web Content Accessibility Guidelines 2.1	1. Level A (Yes) 2. Level AA (Yes) 3. Level AAA (No)

Methods & Technologies Used

S. No.	Name of Tools/Software used	Open Source/Licensed
Software		
1	Non-Visual Desktop Access (NVDA)	Open Source
2	Colour Contrast Analyser (CCA)	Open Source
3	WAVE	Open Source
4	axe Accessibility Analyzer	Open Source
5	PAUL J ADAM Bookmarklets (.js Scripts)	Open Source
Hardware		
1	Keyboard	
2	Mouse	

S. No.	Methods & Technologies
Methods	
1	Visual Inspection
2	Code Inspection
3	Browser Zoom 200% & 400%
Combination of Technologies	
1	Windows with Chrome and NVDA
2	Windows with Chrome and Zoom
3	Windows with Chrome and Color Contrast Analyzer

Description of the Tools

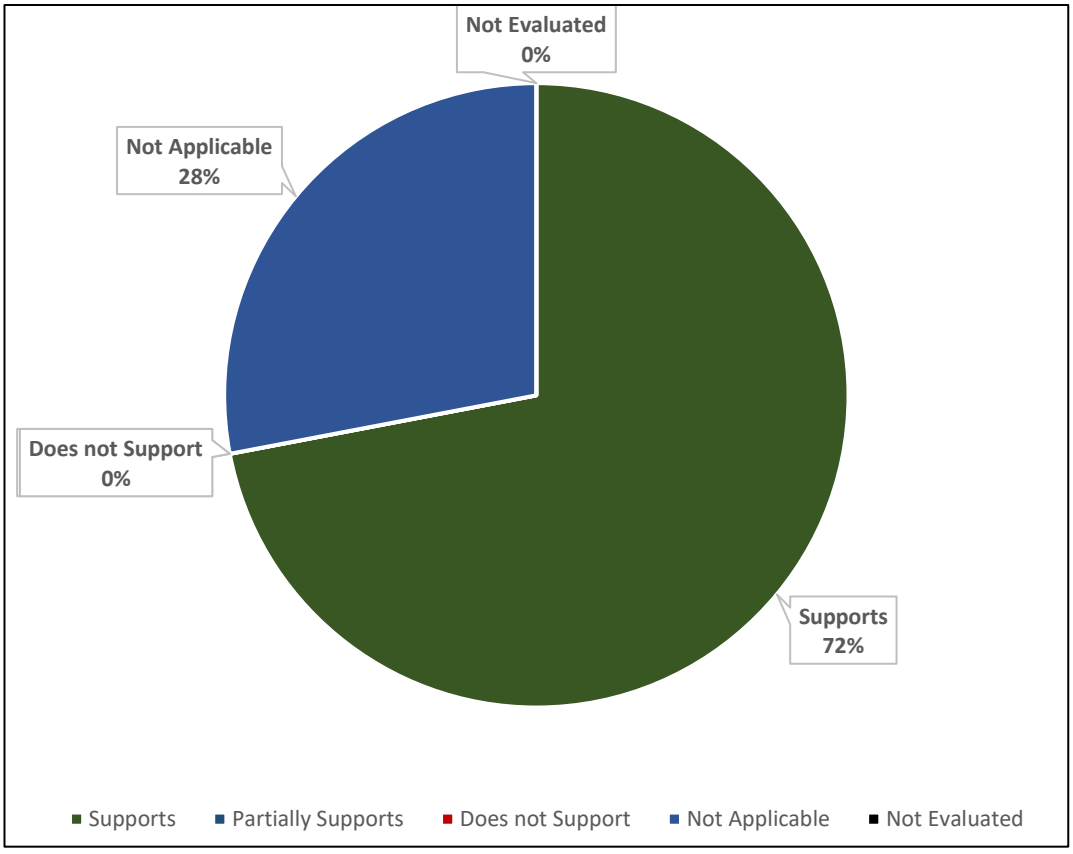
Executive Summary

The IAAP Auditor of AKS IT Services conducted an accessibility compliance assessment of the **GOA Shipyard Limited** application from 25 August 2025 to 08 October 2025, in accordance with the Web Content Accessibility Guidelines (WCAG) 2.1 Level A and AA success criteria. The objective of this assessment was to identify accessibility gaps and evaluate conformance against the relevant WCAG 2.1 requirements, focusing on the application's functions and user interface elements.

Findings of the Audit as depicted in the below section has been categorized in five types:

- ***Supports [36]***
- ***Partially Supports [00]***
- ***Does not Support - [00]***
- ***Not Applicable – [14]***
- ***Not Evaluated – [00]***

Graphical Representation of Total No. of results out of 50 WCAG 2.1 (A & AA) Success Criterion's



Detailed WCAG 2.1 (A, AA & AAA) Assessment Report

Terms Used

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 WCAG 2.1 Level AAA.

Detailed WCAG 2.1 (A, AA) Assessment Report

The application compliance has been mapped to the Success Criteria defined in the WCAG 2.1 guidelines, covering levels A, AA and AAA.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-Text Content	Supports	All meaningful non-text content such as images, icons, and graphical elements has appropriate alternative text or descriptive labels that convey the same information to assistive technologies. Decorative images are properly marked to be ignored by screen readers.
1.2.1 Audio only and Video only (Prerecorded)	Not Applicable	The product does not contain any prerecorded audio-only or video-only content. Therefore, this success criterion is not applicable.
1.2.2 Captions (Prerecorded)	Not Applicable	The website does not contain any prerecorded video content with audio.
1.2.3 Audio Description or Media alternative (Prerecorded)	Not Applicable	The website does not contain any prerecorded video content that requires audio description or a media alternative.
1.3.1 Info & relationship	Supports	The content is structured using appropriate semantic markup. Headings, lists, tables, and form fields are coded to reflect their logical relationships, ensuring that information and structure are conveyed accurately to assistive technologies.
1.3.2 Meaningful Sequence	Supports	Content is presented in a logical reading order that matches the DOM order.
1.3.3 Sensory Characteristics	Supports	Instructions do not rely solely on shape, color, size, or location.
1.4.1 Use of Color	Supports	Color is not used as the sole means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. Text labels, icons, or patterns are provided to ensure information is perceivable without relying on color alone.
1.4.2 Audio Control	Supports	Auto-playing audio longer than 3 seconds is not used.
2.1.1 Keyboard	Supports	All functionality of the product is operable through a keyboard interface without requiring specific timings for individual keystrokes.

		Users can navigate, activate controls, and access all interactive elements using standard keyboard commands.
2.1.2 No Keyboard Trap	Supports	Focus traverses seamlessly and there are no instances of keyboard traps found during navigation.
2.1.4 Character Key Shortcuts	Not Applicable	The site does not provide character key shortcuts.
2.2.1 Timing Adjustable	Not Applicable	The web site does not contain any time-based activities which need to be implemented with enough timing.
2.2.2 Pause, Stop, Hide	Supports	The product provides a mechanism to pause, stop, auto moving content therefore, this criterion supports.
2.3.1 Three Flashes or Below Threshold Level	Not Applicable	The web site does not contain any instances of flashing or blinking content.
2.4.1 Bypass Block	Supports	Mechanisms such as "Skip to main content" links and proper landmark roles are provided to allow users to bypass repetitive navigation blocks and directly access the main content of the page.
2.4.2 Page Titled	Supports	Web pages have descriptive and unique titles.
2.4.3 Focus Order	Supports	The focus order of interactive elements is logical and intuitive, following the visual and structural layout of the content. Users navigating via keyboard or assistive technologies can access all functionality in a predictable sequence.
2.4.4 Link Purpose (In Context)	Supports	The purpose of each link can be determined from its link text alone or from the link text together with its programmatically associated context. Users can understand the destination or function of links without relying on surrounding content.
2.5.1 Pointer Gesture	Not Applicable	There is no need for the functionalities to be operated with single pointer gesture.
2.5.2 Pointer Cancellation	Not Applicable	The web site does not use a single pointer click provide seamless user experience.
2.5.3 Label in Name	Supports	User interface components that include labels have their accessible names derived from the visible text label. This ensures that assistive

		technologies can accurately communicate the purpose of controls to users, providing a consistent experience between visual and programmatic information.
2.5.4 Motion Actuation	Not Applicable	The web site does not contain any feature which requires the use of device motion or user motion.
3.1.1 Language of Page	Supports	The default language is defined using the lang attribute in the HTML markup.
3.2.1 On Focus	Supports	The web site ensures that interface components do not initiate a change of context when receiving focus.
3.2.2 On Input	Supports	No unexpected context changes on input.
3.3.1 Error Identification	Supports	When user input errors are detected, they are clearly identified and described to the user. The system provides sufficient information for users to understand what caused the error and how to correct it, ensuring accessibility for all users, including those using assistive technologies.
3.3.2 Labels or Instructions	Supports	All input fields and user interface components have clear and descriptive labels or instructions. These labels are programmatically associated with the respective fields, ensuring that users of assistive technologies can easily understand what information is required.
4.1.1 Parsing	Supports	The code is well-structured and follows correct syntax, so assistive technologies can read the content properly.
4.1.2 Name, Role, Value	Supports	User interface components expose their name, role, and value programmatically. This allows assistive technologies to accurately convey the purpose and current state of controls to users, supporting full accessibility and interaction.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live)	Not Applicable	The website does not contain any live synchronized media (video with

		audio) that requires real-time captioning.
1.2.5 Audio Description (Prerecorded)	Not Applicable	The website does not include prerecorded video content that requires audio description; guidelines are not applicable.
1.3.4 Orientation	Supports	The website supports both portrait and landscape orientations properly.
1.3.5 Identify Input Purpose	Supports	The website correctly identifies the purpose of input fields, allowing assistive technologies to provide appropriate support.
1.4.3 Contrast (Minimum)	Supports	Text and images of text have a contrast ratio of at least 4.5:1 against their background. Non-text elements such as graphical objects and interface components also maintain sufficient contrast to ensure readability and visibility for users with low vision.
1.4.4 Resize Text	Supports	Text can be resized up to 200% without clipping or overlap.
1.4.5 Image of Text	Supports	Text is used instead of images unless essential.
1.4.10 Reflow	Supports	The audit confirmed that when the page is zoomed or reflowed (e.g., at 320px width and 256px height or zoom), content adjusts in a way that maintains readability and proper stacking. This supports usability, particularly for users with low vision who rely on text enlargement or responsive layouts.
1.4.11 Non-text Contrast	Supports	Visual presentation of user interface components and graphical objects has sufficient contrast against adjacent colors. This ensures that important non-text information, such as icons, borders, and focus indicators, is perceivable by users with visual impairments.
1.4.12 Text Spacing	Supports	The website maintains proper layout when text spacing is increased, affecting readability and accessibility for users who adjust spacing settings.
1.4.13 Content on Hover or Focus	Not Applicable	The website does not include any content that appears on hover or focus.
2.4.5 Multiple Ways	Supports	The product consists of only a small set of functional pages (login,

		registration, and password reset) that are directly linked to each other. As there is no broader navigational structure or multiple ways needed to locate pages, this success criterion is not applicable.
2.4.6 Headings and Labels	Supports	Headings and form labels are descriptive and meaningful.
2.4.7 Focus Visible	Supports	Any keyboard-operable user interface component has a visible focus indicator that clearly identifies the element currently in focus. This ensures that users navigating via keyboard can easily track their position on the page.
3.1.2 Language of Parts	Not Applicable	This product does not contain any content segments in multiple languages; therefore, the requirement to identify the language of parts is not applicable.
3.2.3 Consistent Navigation	Supports	The website ensures that components with the same functionality, such as buttons and links, are consistently identified across pages.
3.2.4 Consistent Identification	Supports	The website consistently identifies components with the same function, helping users recognize and interact with elements more easily across different pages.
3.3.3 Error Suggestion	Supports	When an input error is detected, the system provides suggestions for correction where applicable. This helps users understand how to fix errors and complete forms successfully, supporting accessibility for users relying on assistive technologies.
3.3.4 Error Prevention (Legal, Financial, Data)	Not Applicable	The website does not involve legal, financial, or data submissions requiring error prevention measures; hence, this criterion is not applicable.
4.1.3 Status Messages	Supports	Status messages are programmatically determined and communicated to assistive technologies without requiring user focus. This ensures that users are informed of changes in content, notifications, or system status in real time.

Table 3: Success Criteria, Level AAA

The GOA Shipyard Limited application is not evaluated against the WCAG 2.1 with Level AAA conformance.

ROHIT SINGH CHAUHAN
Digitally signed by ROHIT SINGH CHAUHAN
Date: 2025.10.10 15:09:06 +05'30'

Rohit Singh Chauhan
CISA, CEH, ECSA, ISO 27001 LA
AVP – Application Security
AKS Information Technology Services Pvt. Ltd.
CERT-In & STQC Empanelled Company

Prathmesh Yadav
IAAP CPACC
Cert. Number - 23NDCPY195

Tools Description

Non-Visual Desktop Access (NVDA)

Non-Visual Desktop Access (NVDA) is a free, open-source screen reader for Microsoft Windows that enables blind and visually impaired users to interact with digital content using synthetic speech or braille. Developed by NV Access, NVDA supports web browsing, document reading, and application navigation. It is widely used for accessibility testing and is compliant with accessibility standards like WCAG and ARIA.

Colour Contrast Analyser

Colour Contrast Analyser (CCA) is a free accessibility testing tool developed by TPGi to help assess the contrast between foreground and background colours. It determines whether text and visual elements meet WCAG 2.1 Level A and AA contrast requirements. The tool supports testing for both normal and large text, aiding in the creation of accessible digital content.

WAVE

WAVE (Web Accessibility Evaluation Tool) is a free online tool developed by WebAIM to help evaluate the accessibility of web content. It provides visual feedback by overlaying icons and indicators on a webpage to highlight accessibility errors, alerts, features, and structural elements. WAVE assists developers and content creators in identifying and fixing issues based on WCAG guidelines. It is especially useful for quick manual audits and understanding the accessibility impact of page elements.

axe Accessibility Analyzer

Axe Accessibility Analyzer is an accessibility testing toolkit that helps developers identify and fix accessibility issues in web and mobile applications. It integrates with development workflows, providing automated and manual testing solutions to ensure compliance with WCAG and other accessibility standards.

PAUL J ADAM Bookmarklets (.js Scripts)

PAUL J ADAM Bookmarklets are a collection of JavaScript-based tools designed to assist with web accessibility testing. These bookmarklets can be easily added to a browser and used to evaluate elements like keyboard focus, ARIA landmarks, colour contrast, and more. Developed by accessibility expert Paul J. Adam, they offer quick, on-page insights for developers and testers.