

Software ACR

Vallen Systeme Software Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5)

Document released in April 2025
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1 Name of Product/Version

Vallen VisualAE analysis program, Vallen Data Acquisition program, Vallen Control Panel program, version R2024.0628

2 Report Date

April 2025

3 Product Description

Acoustic emission (AE) measurement data analysis and data processing software, AE data acquisition software

4 Contact Information

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5 Notes

The Vallen AE Suite software comprises several programs, with VisualAE and the Data Acquisition program being the most significant, encompassing 99% of its functionality and usage. Although functionality is program-based, licensing is module-driven, managing features across the entire suite. This VPAT evaluation covers these primary programs with all features enabled, as well as the Vallen Control Panel, the central access point for the suite.

Accessibility features are implemented by adhering to MS Windows GUI design guidelines and by utilizing the assistive technology interfaces provided by the Windows operating system.

The software is designed for use in safety-critical applications requiring ISO 9712 certified personnel. The standard mandates specific vision requirements (adequate close and color vision) for operators. These requirements are essential because safety-critical acoustic emission tests demand the rapid processing of substantial data presented visually in charts and diagrams. Individuals who do not meet the ISO 9712 vision standards shall not use the software for such applications.

VisualAE program operates in either a setup state (for configuration of the data analysis) or a data processing state (on-line operation with analyzing and displaying data as it is recorded). Data is processed and displayed as it is acquired by the hardware. Operators that rely on assistive technologies for operating the software shall not use the VisualAE program in data processing state, especially in cases of safety-critical applications or applications which can cause damage to the product or the object under inspection. In the setup state, analyzed data remains visible and can be accessed via assistive technologies or can be selectively exported to text files or other programs with enhanced accessibility features.

6 Evaluation Methods Used

Conformance to the listed accessibility standards has been evaluated by Vallen Systeme by manual testing with assistive technologies (NVDA screen reader). The following operating system was used for evaluation: Windows 11.

7 Legal Disclaimer

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8 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	Level A Level AA
Web Content Accessibility Guidelines 2.1	Level A Level AA
Web Content Accessibility Guidelines 2.2	Level A Level AA

Standard/Guideline	Included In Report
EN 301 549 Accessibility requirements for ICT products and services - V3.2.1 (2021-03)	Level A Level AA

9 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 only be used in WCAG Level AAA criteria.

10 WCAG 2.x Report

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](#).

10.1 Table 1: Success Criteria, Level A

Notes: The programs evaluated expose an interface to assistive technologies via the operating system. As software following criteria are not applicable according to ITI council: 2.4.1, 2.4.5, 2.4.11, 2.5.7, 3.2.3, 3.2.4, 3.2.6, 3.3.7, 3.3.8, and 4.1.3.

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partly Supports	Diagrams: the VisualAE program displays measurement data in charts. Charts are highly customizable. Text descriptors can be configured by the operator. Page UP/DOWN button without balloon tip (Page Tab Settings)
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.2.2 Captions (Prerecorded) (Level A)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.3.1 Info and Relationships (Level A)	Supports	

Criteria	Conformance Level	Remarks and Explanations
1.3.2 Meaningful Sequence (Level A)	Supports	
1.3.3 Sensory Characteristics (Level A)	Supports	
1.4.1 Use of Color (Level A)	Supports	
1.4.2 Audio Control (Level A)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
2.1.1 Keyboard (Level A)	Partly Supports	<p>Image: open file dialogue not accessible via keyboard.</p> <p>Location Processor</p> <ul style="list-style-type: none"> Structure → Wizard: vessel types not accessible via keyboard <p>Polygonprocessor → can be operated only with mouse device</p> <p>Alarm processor → Alarm properties not accessible via keyboard</p> <p>Text alignment buttons and/or macro button are not accessible via keyboard in any dialogue that presents these options.</p>
2.1.2 No Keyboard Trap (Level A)	Partly supports	Inserting background picture: dialogue loses focus after selecting a picture (can only be resolved with mouse action)
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Supports	
2.2.1 Timing Adjustable (Level A)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
2.2.2 Pause, Stop, Hide (Level A)	Supports	
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	
2.4.1 Bypass Blocks (Level A)	Not Applicable	
2.4.2 Page Titled (Level A)	Supports	
2.4.3 Focus Order (Level A)	Partly Supports	Attenuation Profiler: <tab> action inconsistent
2.4.4 Link Purpose (In Context) (Level A)	Supports	
2.5.1 Pointer Gestures (Level A 2.1 and 2.2)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'

Criteria	Conformance Level	Remarks and Explanations
2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
2.5.3 Label in Name (Level A 2.1 and 2.2)	Partly Supports	Not all GUI images have labels
2.5.4 Motion Actuation (Level A 2.1 and 2.2)	Not Applicable	
3.1.1 Language of Page (Level A)	Supports	
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Supports	
3.2.6 Consistent Help (Level A 2.2 only)	Supports	
3.3.1 Error Identification (Level A)	Supports	
3.3.2 Labels or Instructions (Level A)	Supports	
3.3.7 Redundant Entry (Level A 2.2 only)	Not Applicable	
4.1.1 Parsing (Level A) WCAG 2.0 and 2.1 – Always answer 'Supports' WCAG 2.2 (obsolete and removed) - Does not apply	Supports	For WCAG 2.0 and 2.1, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata and the WCAG 2.1 Editorial Errata .
4.1.2 Name, Role, Value (Level A)	Supports	

10.2 Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Supports	a response may use 'Supports' where one might otherwise be inclined to use 'Not Applicable'
1.4.3 Contrast (Minimum) (Level AA)	Supports	
1.4.4 Resize text (Level AA)	Supports	
1.4.5 Images of Text (Level AA)	Supports	
1.4.10 Reflow (Level AA 2.1 and 2.2)	Supports	
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Supports	With default color settings contrast requirements are met. A user may set background color and marker color deliberately to values which do not meet the requirement.

Criteria	Conformance Level	Remarks and Explanations
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Supports	
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Supports	
2.4.5 Multiple Ways (Level AA)	Not Applicable	
2.4.6 Headings and Labels (Level AA)	Supports	
2.4.7 Focus Visible (Level AA)	Supports	
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Not Applicable	
2.5.7 Dragging Movements (Level AA 2.2 only)	Not Applicable	
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Not Applicable	
3.1.2 Language of Parts (Level AA)	Supports	
3.2.3 Consistent Navigation (Level AA)	Not Applicable	
3.2.4 Consistent Identification (Level AA)	Not Applicable	
3.3.3 Error Suggestion (Level AA)	Supports	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Not Applicable	
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Not Applicable	

10.3 Table 3: Success Criteria, Level AAA

Notes: not evaluated.