Berla Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.5)

Name of Product/Version: iVe v4.7.1

Report Date: July 10th, 2024

Product Description: Vehicle Forensics Software

iVe (pronounced eye-vee) is used by investigators to acquire and analyze vehicle data. The iVe Ecosystem is comprised of a React-Native-based mobile application (iVe Mobile), a .NET based windows application (iVe), and a hardware kit.

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Notes:

The iVe and iVe Mobile software provides two modes of operation: data acquisition and data analysis. The data acquisition process is dependent on interfacing with a vehicle's hardware using a combination of iVe software and hardware. The data analysis feature is software-only and does provide the ability to publish reports.

Evaluation Methods Used:

Review of iVe was done using *Narrator* in Windows 11. Review of iVe Mobile was done using *VoiceOver* in iOS v17.5.1. Review of WCAG compliance was performed by comparing iVe functionality with https://www.w3.org/WAI/WCAG22/quickref/?versions=2.0.

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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	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(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.
- 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.

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 <u>WCAG 2.0 Conformance Requirements</u>.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	Not all input controls have names. The vehicle timeline feature does not have a text alternative.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Audio captured by a vehicle (read: user-generated content) and played back through iVe have no captions.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	Videos in iVe have no captions.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	There are no audio alternatives to iVe video information.

Criteria	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	Headings, lists, and other textual formatting are not preserved when the presentation format changes.
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	iVe timeline event icons are color-coded but also have labels describing precisely what the event is.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	While all UI elements are navigable via keyboard, a few (such as vehicles on the home page) are not selectable via keyboard.
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	If a user powers a DLC device after initiating a scan in iVe, the scan may time out. If the DLC device is powered prior to initiating a scan in iVe, this time limit does not exist.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Vehicles on the home page move when a vehicle is shared with the user.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Supports	
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	The main window title of iVe never changes.
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	iVe applies human language text via a set of resource files which gets selected based on the host machine's cultural information.

Criteria	Conformance Level	Remarks and Explanations
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	While most text input controls offer textual error feedback to the user, many other inputs, such as button presses, offer no indication that an error has occurred.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
4.1.1 Parsing (Level A) Also applies to: WCAG 2.0 - Always answer 'Supports' Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	

Criteria	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Does Not Support	Most controls in iVe are custom controls which do not provide information as to their name, role, or value.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	There are no audio alternatives to iVe video information.

Criteria	Conformance Level	Remarks and Explanations
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	The contrast ratio of dates on the vehicle list of the home page is 2.95:1. Otherwise, the lowest contrast ratio in iVe is 9.24:1. These values have been calculated as (L1 + 0.05)/(L2 +0.05) where L1 is the relative luminance of the text and L2 is the relative luminance of the background. Relative Luminance is calculated from RGB byte values as per the W3C definition: https://www.w3.org/TR/WCAG20/#relativeluminancedef
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	iVe does not implement a responsive UI design.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	Images in iVe do not have alternative text.
 2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	iVe applies human language text via a set of resource files which gets selected based on the host machine's cultural information.
 3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	

Criteria	Conformance Level	Remarks and Explanations
3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Supports	
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	iVe offers error suggestions to users only with a handful of functions.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	Sign language is not provided in any capacity.
1.2.7 Extended Audio Description (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	Extended audio descriptions are not provided in any capacity.
1.2.8 Media Alternative (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	Media alternatives are not provided in any capacity.
1.2.9 Audio-only (Live) (Level AAA) Revised Section 508 – Does not apply	Not Applicable	
1.4.6 Contrast (Enhanced) (Level AAA) Revised Section 508 – Does not apply	Partially Supports	The contrast ratio of dates on the vehicle list of the home page is 2.95:1. Otherwise, the lowest contrast ratio in iVe is 9.24:1. These values have been calculated as (L1 + 0.05)/(L2 +0.05) where L1 is the relative luminance of the text and L2 is the relative luminance of the background. Relative Luminance is calculated from RGB byte values as per the W3C definition: https://www.w3.org/TR/WCAG20/#relativeluminancedef
1.4.7 Low or No Background Audio (Level AAA) Revised Section 508 – Does not apply	Does Not Support	Background audio options are not provided in any capacity.
1.4.8 Visual Presentation (Level AAA) Revised Section 508 – Does not apply	Does Not Support	While color options are provided for timeline events, not functionality is provided in any capacity for foreground and background color selection elsewhere in the application.

Criteria	Conformance Level	Remarks and Explanations
1.4.9 Images of Text (No Exception) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	Some buttons in iVe have text as part of the image raster.
2.1.3 Keyboard (No Exception) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	While all UI elements are navigable via keyboard, a few (such as vehicles on the home page) are not selectable via keyboard.
2.2.3 No Timing (Level AAA) Revised Section 508 – Does not apply	Supports	
2.2.4 Interruptions (Level AAA) Revised Section 508 – Does not apply	Supports	Users can disable automatic updates in the iVe settings window.
2.2.5 Re-authenticating (Level AAA) Revised Section 508 – Does not apply	Supports	
2.3.2 Three Flashes (Level AAA) Revised Section 508 – Does not apply	Supports	
2.4.8 Location (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe does not present a hierarchy of navigation to the user.
2.4.9 Link Purpose (Link Only) (Level AAA) Revised Section 508 – Does not apply	Not Applicable	
2.4.10 Section Headings (Level AAA) Revised Section 508 – Does not apply	Supports	iVe instructions are divided into individual step-by-step screens.
3.1.3 Unusual Words (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe provides no mechanism to identify unusually used words, idioms, or jargon.
3.1.4 Abbreviations (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe does not provide a mechanism to identify the expanded form or meaning of abbreviations.
3.1.5 Reading Level (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe does not guarantee text requires a reading ability no more advanced than a lower secondary education level.

Criteria	Conformance Level	Remarks and Explanations
3.1.6 Pronunciation (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe provides no mechanic for identifying specific pronunciations.
3.2.5 Change on Request (Level AAA) Revised Section 508 – Does not apply	Supports	
3.3.5 Help (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe does not provide context-sensitive help.
3.3.6 Error Prevention (All) (Level AAA) Revised Section 508 – Does not apply	Does Not Support	iVe does not provide mechanisms to reverse nor confirm data submission.

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Does Not Support	List items are not being read properly by the screen reader, and there is no easy way to activate the list item.
302.2 With Limited Vision	Partially Supports	An individual that could select a button or list item would be able to use the analysis function.
302.3 Without Perception of Color	Supports	
302.4 Without Hearing	Partially Supports	The app does not require hearing to use, but we do have some related informational videos that would not be accessible to those without hearing.
302.5 With Limited Hearing	Not Applicable	
302.6 Without Speech	Not Applicable	iVe does not have any speech-controlled features.
302.7 With Limited Manipulation	Partially Supports	Many of the acquisition functions require dexterity, but the iVe analysis function would still be usable.
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Does Not Support	As a forensic tool, iVe requires analytical skills.

Chapter 4: <u>Hardware</u>

Notes:

This section has been removed.

The iVe Hardware Kit is delivered with Device Interface Boards (DIBs) and tools/connectors for acquiring data stored on vehicle electronic control units (ECUs). The DIBs are configured to attach precisely to ECUs and do require 20-20 vision to align properly. As such, our delivered hardware does not support a mechanism for no vision or low-vision individuals. The Hardware Kit does not contain touch devices, keyboards, audio devices or interactive screens, so those items are not applicable to iVe.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope - Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features	Supports	
502.2.2 No Disruption of Accessibility Features	Supports	
502.3 Accessibility Services		
502.3.1 Object Information	Partially Supports	Objects will be read by the screen reader but may be object names and not what is shown on the screen.
502.3.2 Modification of Object Information	Supports	
502.3.3 Row, Column, and Headers	Supports	
502.3.4 Values	Supports	
502.3.5 Modification of Values	Supports	

Criteria	Conformance Level	Remarks and Explanations
502.3.6 Label Relationships	Not Applicable	This kind of relationship was not found in iVe.
502.3.7 Hierarchical Relationships	Supports	
502.3.8 Text	Supports	
502.3.9 Modification of Text	Supports	
502.3.10 List of Actions	Does Not Support	List of actions were not available during our testing.
502.3.11 Actions on Objects	Partially Supports	Selection of list items and selecting child cells in a table row could not be performed in our testing.
502.3.12 Focus Cursor	Supports	
502.3.13 Modification of Focus Cursor	Supports	
502.3.14 Event Notification	Does Not Support	iVe does not support any non-visual event notifications.
502.4 Platform Accessibility Features	Supports	
503 Applications		
503.2 User Preferences	Partially Supports	iVe has limited capability for changing colors and map styles.
503.3 Alternative User Interfaces	Not Applicable	An alternative user interface is not included in iVe.
503.4 User Controls for Captions and Audio Description		
503.4.1 Caption Controls	Does Not Support	There is no ability for caption controls in our informational videos.
503.4.2 Audio Description Controls	Supports	

Criteria	Conformance Level	Remarks and Explanations
504 Authoring Tools		
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.x section	See information in WCAG 2.x section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Does Not Support	iVe does not preserve accessibility information upon conversion of content.
504.2.2 PDF Export	Does Not Support	Not currently supported but available in the PDF export tool we use.
504.3 Prompts	Does Not Support	iVe does not require accessible content is added via its authoring tools.
504.4 Templates	Not Applicable	

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope		
602 Support Documentation		
602.2 Accessibility and Compatibility Features	Does Not Support	iVe provides no accessibility and compatibility features.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section

Criteria	Conformance Level	Remarks and Explanations
602.4 Alternate Formats for Non-Electronic Support Documentation	Does Not Support	iVe provides no alternative formats for non-electronic support documentation.
603 Support Services		
603.2 Information on Accessibility and Compatibility Features	Does Not Support	iVe does not provide information on features required by 602.2 because iVe does not support 602.2.
603.3 Accommodation of Communication Needs	Does Not Support	Support services do not accommodate the communication needs of individuals with disabilities.

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