# Index Analytics Accessibility Conformance Report Revised Section 508 Edition

VPAT<sup>®</sup> Version 2.3 – December 2018

Name of Product/Version: Encounter Data Workbench (Workbench)

**Product Description: MicroStrategy-based web pages** 

Date: April 5, 2019

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Notes: None

Evaluation Methods Used: Testing is based on general product knowledge; Testing with Assistive Technologies such as Job Access with Speech (JAWS); and Other testing methods (checklists based on HHS Section 508 guidelines)

## **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-	Level A (Yes)
<u>WCAG20-20081211/</u>	Level AA (Yes)
	Level AAA (No)

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Standard/Guideline	Included In Report
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017 Corrections to the ICT Final Rule as published by the US Access Board in the Federal Register on 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 be used only in WCAG 2.0 Level AAA.

# WCAG 2.0 Report

Tables 1 and 2 also document conformance with:

- 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
<ul> <li>1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 <ul> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul> </li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: Visualizations are inherited from the MicroStrategy tool, which has a function to enable alternative text for screen readers. Alternative text is added for all other images. Electronic Docs: Documentation provides text equivalents for non-text elements through alternative text.
<ul> <li>1.2.1 Audio-only and Video-only (Prerecorded) (Level A)</li> <li>Also applies to: Revised Section 508 <ul> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul> </li> </ul>	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	None of the audio or video material is time-based.
<ul> <li>1.2.2 Captions (Prerecorded) (Level A)</li> <li>Also applies to: Revised Section 508 <ul> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul> </li> </ul>	Web: Supports Electronic Docs: N/A Software: Supports Authoring Tool: N/A	Web and Software: All audio/video material is captioned
<ul> <li>1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508         <ul> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul> </li> </ul>	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	There is no time-based or synchronized media in the Workbench.

Criteria	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships (Level A)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web and Software: We identify headings, body, and
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	navigation in the Workbench
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
• 602.3 (Support Docs)		
1.3.2 Meaningful Sequence (Level A)		
Also applies to:	Web: Supports	Web and Software: We ensure the correct sequence of
Revised Section 508	Electronic Docs: N/A	content is programmatically determined in markup
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	language and MicroStrategy underlying data structures
• 504.2 (Authoring Tool)	Authoring Tool: N/A	to preserve its meaning.
• 602.3 (Support Docs)		
1.3.3 Sensory Characteristics (Level A)		Web and Coffmann We provide toutual identification of
Also applies to:	Web: Supports	Web and Software: We provide textual identification of items and images have alternative text
Revised Section 508	Electronic Docs: Supports	
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	Electronic Docs: Images in documentation have
• 504.2 (Authoring Tool)	Authoring Tool: N/A	alternative text.
• 602.3 (Support Docs)		
1.4.1 Use of Color (Level A)		Web and Software: Use of color is not required for
Also applies to:	Web: Supports	understanding of the Workbench; all colors pass WCAG
Revised Section 508	Electronic Docs: Supports	guidelines for color contrast.
• 501 (Web)(Software)	Software: Supports	
• 504.2 (Authoring Tool)	Authoring Tool: N/A	Electronic Docs: Use of color is not required for
602.3 (Support Docs)		understanding documentation. All colors pass WCAG
		guidelines for color contrast.
1.4.2 Audio Control (Level A)		
Also applies to:	Web: N/A	
Revised Section 508	Electronic Docs: N/A	There is no automatic audio that plays on the
• 501 (Web)(Software)	Software: N/A	Workbench.
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
602.3 (Support Docs)		

Criteria	Conformance Level	Remarks and Explanations
<ul> <li>2.1.1 Keyboard (Level A) Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: All functionality of the Workbench is operable through the keyboard. Electronic Docs: Documents are in formats operable through the keyboard.
<ul> <li>2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: Focus can be moved from a component using the keyboard. Electronic Docs: Documents are in formats that allow for focus to be moved using the keyboard.
<ul> <li>2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	The Workbench does not have time limits for content.
<ul> <li>2.2.2 Pause, Stop, Hide (Level A)</li> <li>Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: N/A Software: Supports Authoring Tool: N/A	Web and Software: The Workbench has a scrolling carousel feature that the user can pause on mouse rollover
<ul> <li>2.3.1 Three Flashes or Below Threshold (Level A)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: N/A Electronic Docs: N/A Software: N/A Authoring Tool: N/A	The Workbench does not have any flashing features

Criteria	Conformance Level	Remarks and Explanations
<ul> <li>2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508</li> <li>501 (Web)(Software) – Does not apply to non-web software</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports Electronic Docs: N/A Authoring Tool: N/A	Web: The Workbench menu allows the user to navigate to different blocks of content.
<ul> <li>2.4.2 Page Titled (Level A)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: N/A Software: Supports Authoring Tool: N/A	Web and Software: The Workbench has titled pages for assistive technology.
<ul> <li>2.4.3 Focus Order (Level A)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: N/A Software: Supports Authoring Tool: N/A	Web and Software: Components receive focus in an order that preserves meaning and operability.
<ul> <li>2.4.4 Link Purpose (In Context) (Level A)</li> <li>Also applies to: Revised Section 508 <ul> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul> </li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: Link text identifies the purpose of the link. Electronic Docs: Link text in documentation identifies the purpose of the link.
<ul> <li>3.1.1 Language of Page (Level A)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web: Language is programmatically determined through markup language and the MicroStrategy interface. Electronic Docs: Language is identified in the properties of the document.

Criteria	Conformance Level	Remarks and Explanations
3.2.1 On Focus (Level A)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web and Software: When a component receives focus,
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	the context does not change
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
602.3 (Support Docs)		
3.2.2 On Input (Level A)		
Also applies to:	Web: Supports	Web and Software, Changing the setting of any user
Revised Section 508	Electronic Docs: N/A	Web and Software: Changing the setting of any user interface component does not automatically cause a
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	change of context
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
• 602.3 (Support Docs)		
3.3.1 Error Identification (Level A)		
Also applies to:	Web: Supports	Web and Software: The Workbench inherits this
Revised Section 508	Electronic Docs: N/A	functionality from MicroStrategy, which provides the
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	user with an error message when an error is identified
• 504.2 (Authoring Tool)	Authoring Tool: N/A	user with an error message when an error is identified
602.3 (Support Docs)		
3.3.2 Labels or Instructions (Level A)		
Also applies to:	Web: Supports	Web and Coffware, The Werkbareb provides labels and
Revised Section 508	Electronic Docs: N/A	Web and Software: The Workbench provides labels and instructions for all user input readable by assistive
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	technology.
<ul> <li>504.2 (Authoring Tool)</li> </ul>	Authoring Tool: N/A	teennology.
• 602.3 (Support Docs)		
4.1.1 Parsing (Level A)		
Also applies to:	Web: Supports	Web and Software: Elements have complete start and
Revised Section 508	Electronic Docs: N/A	end tags, elements are nested according to their
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	specifications, elements do not contain duplicate
• 504.2 (Authoring Tool)	Authoring Tool: N/A	attributes, and any IDs are unique.
602.3 (Support Docs)		

Criteria	<b>Conformance Level</b>	Remarks and Explanations
Revised Section 508E• 501 (Web)(Software)S	Web: Supports Electronic Docs: N/A Software: Supports	Web and Software: Links and components are generated by scripts. The name and role can be programmatically determined. States, properties, and values that can be set by the user can be programmatically set. Notification of changes to these items is available to user agents, including assistive technologies.

## Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)		
Also applies to:	Web: N/A	
Revised Section 508	Electronic Docs: N/A	The Workbench has no live audio content
• 501 (Web)(Software)	Software: N/A	The workbench has no live audio content
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
602.3 (Support Docs)		
1.2.5 Audio Description (Prerecorded) (Level AA)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web and Software: Audio description is provided for all
• 501 (Web)(Software)	Software: Supports	video training for the Workbench
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
• 602.3 (Support Docs)		
1.4.3 Contrast (Minimum) (Level AA)		
Also applies to:	Web: Supports	Web: The Workbench meets WCAG contrast
Revised Section 508	Electronic Docs: Supports	requirements at level AA or higher.
• 501 (Web)(Software)	Software: Supports	Electronic Docs: Documents meet WCAG contrast
• 504.2 (Authoring Tool)	Authoring Tool: N/A	requirements at level AA or higher.
602.3 (Support Docs)		

Criteria	Conformance Level	Remarks and Explanations
<ul> <li>1.4.4 Resize text (Level AA)</li> <li>Also applies to:</li> <li>Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: The user's browser allows the user to resize text without losing functionality of the Workbench Electronic Docs: Documents are in formats that allow the user to resize text without losing functionality.
<ul> <li>1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: The Workbench inherits this control from MicroStrategy, which allows screen readers to read the text automatically generated for visualizations Electronic Docs: Documents do not include images of text; where text is present in images, alternative text describes the text.
<ul> <li>2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508</li> <li>501 (Web)(Software) – Does not apply to non-web software</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports Electronic Docs: N/A Authoring Tool: N/A	Web: The Workbench provides navigation to other pages in the Workbench through header, body, footer, and search function.
<ul> <li>2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508</li> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: Headings and labels describe topic or purpose.
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Web: Supports Electronic Docs: Supports Software: Supports Authoring Tool: N/A	Web and Software: The keyboard focus indicator is visible. Electronic Docs: Documents are in formats that make the keyboard focus indicator visible.

Criteria	Conformance Level	Remarks and Explanations
3.1.2 Language of Parts (Level AA)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web and Software: The Workbench uses language
<ul> <li>501 (Web)(Software)</li> </ul>	Software: Supports	attributes to identify human language.
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
602.3 (Support Docs)		
3.2.3 Consistent Navigation (Level AA)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web: Navigational mechanisms repeated on Workbench
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>	Authoring Tool: N/A	pages are in the same order
• 504.2 (Authoring Tool)		
<ul> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	-	
3.2.4 Consistent Identification (Level AA)		
Also applies to:	Web: Supports	
Revised Section 508	Electronic Docs: N/A	Web: Components that have the same functionality within a set of Web pages are identified consistently.
<ul> <li>501 (Web)(Software) – Does not apply to non-web software</li> </ul>	Authoring Tool: N/A	
• 504.2 (Authoring Tool)		
602.3 (Support Docs) – Does not apply to non-web docs		
3.3.3 Error Suggestion (Level AA)		
Also applies to:	Web: Supports	Web and Software: The Workbench inherits this
Revised Section 508	Electronic Docs: N/A	function from MicroStrategy, which informs the user
• 501 (Web)(Software)	Software: Supports	when there is an error and provides suggestions to fix.
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
• 602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		
Also applies to:	Web: N/A	The Workbench does not require legal commitments or
Revised Section 508	Electronic Docs: N/A	financial transactions, modify or delete user-controlled
• 501 (Web)(Software)	Software: N/A	data, or submit user test responses.
• 504.2 (Authoring Tool)	Authoring Tool: N/A	
602.3 (Support Docs)		

#### Table 3: Success Criteria, Level AAA

Notes: This section is not applicable and has been removed.

# **Revised Section 508 Report**

Notes: None

#### **Chapter 3: Functional Performance Criteria (FPC)**

Notes: None

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	The Workbench is accessible to screen readers
302.2 With Limited Vision	Supports	The Workbench meets WCAG color contrast requirements
302.3 Without Perception of Color	Supports	Meaning in the Workbench is not determined by color; where color indicates different elements, a textual representation accompanies it.
302.4 Without Hearing	Supports	The Workbench does not include audio-only features that require hearing to be used. Audio use is limited and all audio is provided as closed captioning.
302.5 With Limited Hearing	Supports	The Workbench does not include audio-only features that require hearing to be used. Audio use is limited and all audio is provided as closed captioning.
302.6 Without Speech	N/A	The Workbench does not require speech input.
302.7 With Limited Manipulation	Supports	The Workbench supports standard input mechanisms such as user-provided keyboards and pointing devices. Use of the Workbench does not require fine motor controls nor simultaneous actions.
302.8 With Limited Reach and Strength	Supports	The Workbench supports standard input mechanisms such as user-provided keyboards and pointing devices. Use of the Workbench does not require fine motor controls nor simultaneous actions.
302.9 With Limited Language, Cognitive, and Learning Abilities	N/A	Not applicable

#### Chapter 4: Hardware

Notes: This section is not applicable and has been removed.

## **Chapter 5: Software**

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See <u>WCAG 2.0</u> 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	Supports	The Workbench is not platform software.
502.2.2 No Disruption of Accessibility Features	Supports	The Workbench is compatible with operating system and browser accessibility features configured by the user.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	The Workbench uses attributes to describe the role, state, and description of user interface elements to Assistive Technologies.
502.3.2 Modification of Object Information	Supports	The Workbench elements use standard object roles.
502.3.3 Row, Column, and Headers	Supports	The Workbench defines table structure and relationships, including column headers.
502.3.4 Values	Supports	The Workbench elements use standard object attributes.
502.3.5 Modification of Values	Supports	The Workbench elements use standard object attributes.
502.3.6 Label Relationships	Supports	Labels are related to the form elements in the Workbench.
502.3.7 Hierarchical Relationships	Supports	The Workbench uses standard HTML markup to express hierarchical relationships.
502.3.8 Text	Supports	All text presented in the Workbench is readable by assistive technology. Text is properly rendered inside the window.
502.3.9 Modification of Text	Supports	All text presented in the Workbench is readable by assistive technology. Text is properly rendered inside the window.
502.3.10 List of Actions	Supports	The Workbench elements use standard object attributes.
502.3.11 Actions on Objects	Supports	The Workbench elements use standard object attributes.
502.3.12 Focus Cursor	Supports	The Workbench's focus location, selection state and text insertion point information is programmatically available to assistive technology.

Criteria	Conformance Level	Remarks and Explanations
502.3.13 Modification of Focus Cursor	Supports	The Workbench's focus location, selection state and text insertion point information is programmatically available to assistive technology.
502.3.14 Event Notification	Supports	The Workbench makes notification of events relevant to user interactions, including but not limited to changes in the component's state(s), value, name, description, or boundary, available to assistive technologies.
502.4 Platform Accessibility Features		The Workbench is not platform software.
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	N/A	The Workbench is not an application.
503.3 Alternative User Interfaces	N/A	The Workbench is not an application.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Does not support	Captions are integrated into the video file
503.4.2 Audio Description Controls	Supports	The user can change volume and pause/stop/play the audio
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 <u>WCAG 2.0</u> section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	N/A	The Workbench is not an authoring tool.
504.2.2 PDF Export	N/A	The Workbench is not an authoring tool.
504.3 Prompts	N/A	The Workbench is not an authoring tool.
504.4 Templates	N/A	The Workbench is not an authoring tool.

## **Chapter 6: Support Documentation and Services**

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

Criteria	Conformance Level	Remarks and Explanations
602.2 Accessibility and Compatibility Features	Supports	All keyboard navigation follows established system conventions. The Workbench inherits accessibility features from MicroStrategy, which provides the functionality to render the Workbench in an accessible mode.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	N/A	All support documentation is provided in electronic formats.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	All documentation is provided in formats that are compatible with Assistive Technology.
603.3 Accommodation of Communication Needs	Supports	Support services accommodate the communication needs of individuals with disabilities.