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Executive Summary

Protecting Children e-Learning module VPAT

Access Ingenuity's evaluation of the Protecting Children e-Learning module identified accessibility features and functionalities of the learning module. This evaluation provided the information required to assess the conformance of the Protecting Children e-Learning module with the Revised Section 508 Accessibility Standards. Access Ingenuity concludes that the learning module *Partially Supports* the Revised Section 508 Standards.

The Information Technology Industry Council (ITIC) has published recommended language to be used in completing VPAT documents that has been designed to create simplicity and uniformity/consistency in VPATs presented by a variety of suppliers. In preparing the Protecting Children e-Learning module VPAT, Access Ingenuity has used the ITIC-recommended *VPAT 2.4 508* format.

Based on this evaluation and on information published on the ITIC website (<http://www.itic.org>), Access Ingenuity presents the VPAT 2.4 508 document for the Protecting Children e-Learning module on the following pages.

United Educators Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Protecting Children E-learning Module, accessed at <https://ue-edurisk.com/demos/ProtectingChildren2020HigherEd/story.html>

Report Date: November 12, 2020

Product Description: Web-based E-learning module for higher education staff.

Contact Information: accessibility@ue.org

Notes: The authoring tool used to create the Protecting Children Learning Module (Articulate Storyline) has some accessibility limitations which cannot be altered by course designers. United Educators is filing ongoing requests with Articulate to improve the accessibility of the tool, and is providing users with accessibility instructions where necessary to mitigate the effects of these limitations.

Evaluation Methods Used:

Conformance to the listed accessibility standards was evaluated between November 11-12 2020 using a combination of static analysis tools and manual testing with assistive technologies.

The accessibility assessment was conducted according to the following steps:

- I. A sighted accessibility expert conducted an overall technical analysis to identify issues of technical compliance that would affect mobility impaired, deaf/hearing impaired and low vision users. The evaluator inspected each screen using Chrome with the axe plugin. Code analysis was conducted using the Chrome browser Developer Tools.

- II. Keyboard accessibility analysis (for mobility and physically impaired users) was conducted by attempting to thoroughly navigate the web application through the keyboard, without using a mouse.
- III. For deaf and hard of hearing users, any video and audio content were assessed for proper captioning as well as descriptive text transcripts (also benefits visually impaired users).
- IV. The accessibility for low vision users was evaluated three ways: (1) using the screen magnification, palette, and contrast controls provided by the operating systems; (2) using the font resizing capability offered by the browser, and (3) using Colour Contrast Analyser version 1.1.1.
- V. The screen reader testing was conducted by an expert screen reader user. The goal was to identify accessibility barriers that are likely to be experienced by users who are blind. The evaluator worked through the web application using Windows 10 with the JAWS for Windows (v. 2020) screen reader with Chrome Version 86 as well as Mac OSX with the VoiceOver screen reader and the Safari browser. Any pages found to have screen reader issues were re-examined in interactive sessions with a sighted evaluator.

Any usability issues for users with disabilities encountered during the accessibility assessments were also noted.

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) The following Section 508 Sections apply and are included below: 302 Functional Performance Criteria 602 Support Documentation 603 Support Services

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 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 [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.1.1 Non-text Content</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	<p>The Protecting Children e-Learning module uses alt text and WAI-ARIA techniques to provide alternative text where necessary for users of assistive technology, with the following exception:</p> <ul style="list-style-type: none"> • Video progress bar information is not available to users who invoke Windows High Contrast Mode due to the use of CSS background property to display it.
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module does not have any non-live audio-only or video-only content.
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All non-live, web-based video content in the Protecting Children e-Learning module has synchronized captions available.
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All non-live, web-based video content in the Protecting Children e-Learning module has descriptive text transcripts available.
<p><u>1.3.1 Info and Relationships</u> (Level A)</p>	Partially Supports	The authoring tool used for the Protecting

Criteria	Conformance Level	Remarks and Explanations
<p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		<p>Children e-Learning module (Storyline) does not provide for the conveyance of semantic structure in text blocks, as a result:</p> <ul style="list-style-type: none"> • All text within slides is read out as paragraph text. This limits screen reader users' ability to navigate the content using standard reading commands. Alt text has been added to the lists in the course to mitigate this issue. • Some content is not contained within landmark regions. • The video player controls are in unnecessary subgroups which are being read out to screen reader users as they navigate the controls. • There is no heading structure - the only discernible heading in the course is an h4 on the video transcript dropdown.
<p><u>1.3.2 Meaningful Sequence</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	<p>The markup of the Protecting Children e-Learning module enables the reading and navigation order to be logical and intuitive, with the following exception:</p> <ul style="list-style-type: none"> • The reading order of the footer navigation items is backwards (right to left) compared to what the user sees. This is particularly an issue on slides with video controls.
<p><u>1.3.3 Sensory Characteristics</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	<p>Instructions in the Protecting Children e-Learning module do not rely on shape, size, visual location or sound.</p>

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.4.1 Use of Color</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Color is not used as the sole method of conveying content or distinguishing visual elements in the Protecting Children e-Learning module.
<p><u>1.4.2 Audio Control</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no automatically playing audio in the Protecting Children e-Learning module.
<p><u>2.1.1 Keyboard</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All functionality with the Protecting Children e-Learning module is available to keyboard-only users using standard keyboard navigation and input functions.
<p><u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Keyboard focus is never locked or trapped at any page element in the Protecting Children e-Learning module.
<p><u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module is not timed at any point.
<p><u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to:</p>	Supports	There is no automatically moving content in the Protecting Children e-Learning module.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no flashing content in the Protecting Children e-Learning module.
<u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 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	The Protecting Children e-Learning module meets these criteria by providing a link to skip navigation elements on every screen. The module also uses landmarks on every screen as an alternative to the skip link.
<u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module has a descriptive and informative page title and unique slide titles.
<u>2.4.3 Focus Order</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	The Protecting Children e-Learning module has a logical navigation order for its interactive elements, with two exceptions: <ul style="list-style-type: none"> • The tab order of the footer navigation items is backwards (right to left) compared to what the user sees. This is particularly an issue on slides with video controls.

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> When some modals are dismissed, focus is not returned to the activating element.
<p><u>2.4.4 Link Purpose (In Context)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	<p>The purpose of the links in the Protecting Children e-Learning module is adequately identified in all cases.</p> <p>There are no links or form image buttons with the same text that go to different locations.</p>
<p><u>3.1.1 Language of Page</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	The language of the Protecting Children e-Learning module is appropriately identified.
<p><u>3.2.1 On Focus</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	When focus changes in the Protecting Children e-Learning module, this does not ever cause a change in page content, spawn a new browser window, or cause any other change that disorients the user.
<p><u>3.2.2 On Input</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	<p>When a user inputs information or interacts with a form control in the Protecting Children e-Learning module, this does not result in a change in the page content, change focus, launch an additional window, or otherwise disorient the user, with two exceptions:</p> <ul style="list-style-type: none"> During interactive exercises, screen reader users hear no feedback when buttons are activated to show new content. When some modals are dismissed, focus is not returned to the activating element.

Criteria	Conformance Level	Remarks and Explanations
<p><u>3.3.1 Error Identification</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There are no required form elements or form elements that require a specific format, value or length in the Protecting Children e-Learning module.
<p><u>3.3.2 Labels or Instructions</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module has sufficient labels, cues, and instructions for required interactive elements.
<p><u>4.1.1 Parsing</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	There is one duplicate id value in the Protecting Children e-Learning module.
<p><u>4.1.2 Name, Role, Value</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	<p>Markup in the Protecting Children e-Learning module facilitates accessibility, with the following exceptions:</p> <ul style="list-style-type: none"> • The video slider is in the tab order but is hidden from screen readers. • State of the Play/Pause button on the video controls is not being correctly transmitted to assistive technology. • The slide title is read out too many times by assistive technology due to being unnecessarily associated with the single main landmark element using aria-labelledby. • There is an invalid aria-controls value on the Transcript dropdown button.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.2.4 Captions (Live)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no live multimedia content in the Protecting Children e-Learning module.
<p><u>1.2.5 Audio Description (Prerecorded)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There are no non-live videos with content shown onscreen that is not included in the audio track.
<p><u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Text and text within images in the Protecting Children e-Learning module have a contrast ratio of at least 4.5:1 for normal text and 3:1 for large text.
<p><u>1.4.4 Resize text</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	<p>The module content is readable and functional when the page is zoomed to 200%.</p> <p><i>Note: The module was only tested on desktop viewport widths.</i></p>
<p><u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508</p>	Partially Supports	All content within the slides in the Protecting Children e-Learning module is images of text, however all of the text is available to assistive

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		technology.
<p><u>2.4.5 Multiple Ways</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 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	The pages in the Protecting Children e-Learning module can only be accessed in sequence.
<p><u>2.4.6 Headings and Labels</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module has informative page headings and labels.
<p><u>2.4.7 Focus Visible</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module has a focus indicator on all page elements.
<p><u>3.1.2 Language of Parts</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The content in the Protecting Children e-Learning module is only delivered in one language.
<p><u>3.2.3 Consistent Navigation</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p>	Supports	The navigation of the Protecting Children e-Learning module is in the same relative order to the main content across all screens of the

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 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 		module.
<p><u>3.2.4 Consistent Identification</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 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	Components that have the same function across multiple screens of the Protecting Children e-Learning module are labeled consistently.
<p><u>3.3.3 Error Suggestion</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module has timely and accessible error suggestions.
<p><u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Protecting Children e-Learning module does not collect data or record scores.

Revised Section 508 Report

Notes: Chapters 4 and 5 tables were removed as they do not apply to web based products.

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	<p>The Protecting Children e-Learning module uses alt text and WAI-ARIA techniques to provide alternative text where necessary for users of assistive technology, with the following exceptions:</p> <p>There are some issues with name / state of buttons.</p> <p>Standard techniques for coding content semantically which assist screen reader navigation are not used.</p> <p>During interactive exercises, screen reader users hear no feedback when buttons are activated to show new content.</p> <p>When some modals are dismissed, focus is not returned to the activating element.</p>
302.2 With Limited Vision	Partially Supports	<p>The Protecting Children e-Learning module supports browser magnification and contrast adjustments, and all text had sufficient color contrast, except that video progress bar information is</p>

Criteria	Conformance Level	Remarks and Explanations
		not available to users who invoke Windows High Contrast Mode.
302.3 Without Perception of Color	Supports	Color is not used as the sole method of conveying meaning.
302.4 Without Hearing	Supports	All audio content in the Protecting Children e-Learning module has captions.
302.5 With Limited Hearing	Supports	All audio content in the Protecting Children e-Learning module has captions.
302.6 Without Speech	Not Applicable	The Protecting Children e-Learning module does not require speech input.
302.7 With Limited Manipulation	Supports	All functionality with the Protecting Children e-Learning module is available to users using pointing devices and there are no elements which require fine motor controls or simultaneous actions. Content is also accessible to keyboard-only users using standard keyboard navigation and input functions.
302.8 With Limited Reach and Strength	Not Applicable	Use of the Protecting Children e-Learning module does not require reach and strength beyond keyboard input.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The Protecting Children e-Learning module is not timed at any point and allows users to self-pace their learning.

Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
<u>602 Support Documentation</u>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	The Protecting Children e-Learning module includes built-in accessibility features that are compatible with assistive technology and there is documentation available to course participants documenting what these features are and how to access them.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	The documentation will only be available in an accessible electronic format.
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	United Educators will share the results of the Protecting Children e-Learning module VPAT upon request. It can also be accessed at https://ue-edurisk.com/VPATs/ProtectingChildren/VPAT2_3_508_Rev1_0.pdf
603.3 Accommodation of Communication Needs	Supports	Support services for the Protecting Children e-Learning module can accommodate the communication needs of end-users with disabilities. For general Customer Service questions or technical support email accessibility@ue.org .