Apogee authentication portal with 802.1x VPAT®

WCAG 2.1 & 508 REQUIREMENTS, MARCH 2020

APOGEE TELECOM, INC.

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Voluntary Product Accessibility Template® (VPAT®) Revised Section 508 Edition

Version 2.3 (Revised) - April 2019

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Apogee Telecom Accessibility Conformance Report Revised Section 508 Edition

VPAT[®] Version 2.3 (Revised) – April 2019

Name of Product/Version:

Apogee authentication portal with 802.1x

Product Description:

• The Apogee authentication portal with 802.1x is a portal to create and manage internet access.

Report Date:

June 2020

Contact Information:

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Notes:

• The scope of this VPAT includes features of the Apogee authentication portal with 802.1x, it does not include external links.

Evaluation Methods Used:

- NVDA 2019 Screen Reading Software
- Wave web accessibility evaluation tool
- Web browsers: Google Chrome v77, Mozilla Firefox v60, Microsoft Edge v44
- Windows 10 High Contrast

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
Web Content Accessibility Guidelines 2.1	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 be used only in WCAG 2.0 Level AAA.

WCAG 2.x 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
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)	Supports	Textual equivalents are provided for most non-text content.
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)	Supports	An alternative for time-based media is provided which presents equivalent information.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.
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)	Supports	An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508	Supports	Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.

Criteria	Conformance Level	Remarks and Explanations
501 (Web)(Software)504.2 (Authoring Tool)602.3 (Support Docs)		
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	When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.
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	Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound.
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	Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
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	If any audio on a web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Supports	All functionality is operable through a keyboard interface.

Criteria	Conformance Level	Remarks and Explanations
504.2 (Authoring Tool)602.3 (Support Docs)		
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	If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.
2.1.4 Character Key Shortcuts (Level A 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true: Turn off: A mechanism is available to turn the shortcut off; Remap: A mechanism is available to remap the shortcut to include one or more non-printable keyboard keys (e.g., Ctrl, Alt); Active only on focus: The keyboard shortcut for a user interface component is only active when that component has focus.
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	The portal does not have any content that is time limited.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Supports	For moving, blinking, scrolling, or auto-updating information, all the following are true: Moving, blinking, scrolling: For any moving, blinking, or scrolling information that (1) starts

Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool)		automatically, (2) lasts more than 5 seconds, and
602.3 (Support Docs)		(3) is presented in parallel with other content,
		there is a mechanism for the user to pause, stop, or
		hide it unless the movement, blinking, or scrolling
		is part of an activity where it is essential; and
		Auto-updating: For any auto-updating information
		that (1) starts automatically and (2) is present in
		parallel with other content, there is a mechanism
		for the user to pause, stop, or hide it or to control
		the frequency of the update unless the auto-
		updating is part of an activity where it is essential.
2.3.1 Three Flashes or Below Threshold (Level A)		
Also applies to:		Web pages do not contain anything that flashes
Revised Section 508	Supports	more than three times in any one second period, or
• 501 (Web)(Software)	''	the flash is below the general flash and red flash
• 504.2 (Authoring Tool)		thresholds.
• 602.3 (Support Docs)		
2.4.1 Bypass Blocks (Level A)		A mechanism is available to bypass blocks of
Also applies to:		content that are repeatable on multiple web pages.
Revised Section 508		
• 501 (Web)(Software) – Does not apply to non-web	Partially Supports	A rating of Partially Supports has been given for the
software		following reasons:
• 504.2 (Authoring Tool)		The portal does not provide the ability to
602.3 (Support Docs) – Does not apply to non-web docs		skip repetitive navigation links
2.4.2 Page Titled (Level A)		
Also applies to:		
Revised Section 508	Supports	Web pages have titles that describe topic or
• 501 (Web)(Software)		purpose.
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		

Criteria	Conformance Level	Remarks and Explanations
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	If a web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability. A rating of Partially Supports has been given for the following reasons: • Some elements do not maintain a logical focus order
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)	Supports	The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determines link context, except where the purpose of the link would be ambiguous to users in general.
2.5.1 Pointer Gestures (Level A 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.
2.5.2 Pointer Cancellation (Level A 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	For functionality that can be operated using a single pointer, at least one of the following is true: No Down-Event: The down-event of the pointer is not used to execute any part of the function; Abort or Undo: Completion of the function is on the up-event, and a mechanism is available to abort the function before completion or to undo the function after completion; Up Reversal: The up-event reverses any outcome of the preceding down-event;

Criteria	Conformance Level	Remarks and Explanations
		Essential : Completing the function on the down-event is essential.
2.5.3 Label in Name (Level A 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	For user interface components with labels that include text or images of text, the name contains the text that is presented visually.
2.5.4 Motion Actuation (Level A 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation, except when: Supported Interface: The motion is used to operate functionality through an accessibility supported interface; Essential: The motion is essential for the function and doing so would invalidate the activity.
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	The default human language of each web page can be programmatically determined.
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	When any component receives focus, it does not initiate a change of context.
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Supports	Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.

Criteria	Conformance Level	Remarks and Explanations
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.3.1 Error Identification (Level A)		
Also applies to:		If an input error is automatically detected, the item
Revised Section 508	Supports	that is in error is identified and the error is
• 501 (Web)(Software)		described to the user in text.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
		Labels or instructions are provided when content requires user input.
3.3.2 Labels or Instructions (Level A)		requires user input.
Also applies to:		A rating of Partially Supports has been given for the
Revised Section 508	Partially Supports	following reasons:
• 501 (Web)(Software)	,	
504.2 (Authoring Tool)602.3 (Support Docs)		The manage devices page username, password and
602.3 (Support Docs)		MAC address fields are missing labels.
4.1.1 Parsing (Level A)		In content implemented using markup languages,
Also applies to:		elements have complete start and end tags,
Revised Section 508	Cupports	elements are nested according to their
• 501 (Web)(Software)	Supports	specifications, elements do not contain duplicate
• 504.2 (Authoring Tool)		attributes, and any IDs are unique, except where
602.3 (Support Docs)		the specifications allow these features.
4.1.2 Name, Role, Value (Level A)		For all user interface components (including but not limited to: form elements, links and
Also applies to:	Supports	components generated by scripts), the name and
Revised Section 508		role can be programmatically determined; states,
• 501 (Web)(Software)		properties, and values that can be set by the user
• 504.2 (Authoring Tool)		can be programmatically set; and notification of
• 602.3 (Support Docs)		changes to these items is available to user agents,
	Dans 42 of 22	including assistive technologies.

Criteria	Conformance Level	Remarks and Explanations

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	Captions are provided for all live audio content in synchronized media.
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)	Not Applicable	Audio description is provided for all prerecorded video content in synchronized media
1.3.4 Orientation (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.
1.3.5 Identify Input Purpose (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	The purpose of each input field collecting information about the user can be programmatically determined when: The input field serves a purpose identified in the Input Purposes for User Interface Components section; and The content is implemented using technologies with support for identifying the expected meaning for form input data.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508	Supports	The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:

Criteria	Conformance Level	Remarks and Explanations
 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 		Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1; Incidental: Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not visible to anyone, or that are part of a picture that contains significant other visual content, have no contrast requirement. Logotypes: Text that is part of a logo or brand name has no contrast requirement.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.
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)	Supports	If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following: Customizable: The image of text can be visually customized to the user's requirements; Essential: A particular presentation of text is essential to the information being conveyed.
1.4.10 Reflow (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for: Vertical scrolling content at a width equivalent to 320 CSS pixels; Horizontal scrolling content at a height equivalent to 256 CSS pixels; Except for parts of the content which require two-dimensional layout for usage or meaning.

Criteria	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s): User Interface Components : Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author; Graphical Objects : Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed.
1.4.12 Text Spacing (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property: Line height (line spacing) to at least 1.5 times the font size; Spacing following paragraphs to at least 2 times the font size; Letter spacing (tracking) to at least 0.12 times the font size; Word spacing to at least 0.16 times the font size. Exception: Human languages and scripts that do not make use of one or more of these text style properties in written text can conform using only the properties that exist for that combination of language and script.
1.4.13 Content on Hover or Focus (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	Where receiving and then removing pointer hover or keyboard focus triggers additional content to

Criteria	Conformance Level	Remarks and Explanations
		become visible and then hidden, the following are true: Dismissible: A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional content communicates an input error or does not obscure or replace other content; Hoverable: If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing; Persistent: The additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or its information is no longer valid. Exception: The visual presentation of the additional content is controlled by the user agent and is not
 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 	Supports	More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.
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)	Partially Supports	Headings and labels describe topic or purpose. A rating of Partially Supports has been given for the following reasons: • The sign on page username and password fields do not have labels

Criteria	Conformance Level	Remarks and Explanations
		 The device management page instructions do not have labels
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible. A rating of Partially Supports has been given for the following reasons: • Some items do not have a visible focus
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	The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.
 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	Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.
 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	Components that have the same functionality within a set of Web pages are identified consistently.

Criteria	Conformance Level	Remarks and Explanations
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.
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)	Supports	For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true: Reversible: Submissions are reversible. Checked: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. Confirmed: A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission.
4.1.3 Status Messages (Level AA 2.1 only) Also applies to: Revised Section 508 – does not apply	Supports	In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus.

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	The product does not fully support users without vision please see W3C WCAG 2.0 level A and AA for web application table for more details
302.2 With Limited Vision	Partially Supports	The product does not fully support users with limited vision please see W3C WCAG 2.0 level A and AA for web application table for more details
302.3 Without Perception of Color	Partially Supports	The product does not fully support users with limited vision please see W3C WCAG 2.0 level A and AA for web application table for more details
302.4 Without Hearing	Supports	Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing.
302.5 With Limited Hearing	Supports	Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing.
302.6 Without Speech	Supports	Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech.

Criteria	Conformance Level	Remarks and Explanations
302.7 With Limited Manipulation	Partially Supports	The product does not fully support users with limited manipulation please see W3C WCAG 2.0 level A and AA for web application table for more details
302.8 With Limited Reach and Strength	Supports	With Limited Reach and Strength. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier.

Chapter 4: Hardware

Notes: Not Applicable

Chapter 5: Software

Notes: Not Applicable

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
602.2 Accessibility and Compatibility Features	l .	The documentation does not provide accessibility and compatibility features

Criteria	Conformance Level	Remarks and Explanations
602.3 Electronic Support Documentation	Does not Support	The documentation does not provide accessibility and compatibility features
602.4 Alternate Formats for Non-Electronic Support Documentation	Does not Support	Alternate documentation forms are not provided for accessibility and compatibility features
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	ICT support services shall include information on the accessibility and compatibility features required by 602.2.
603.3 Accommodation of Communication Needs	Supports	Support services shall be provided directly to the user or through a referral to a point of contact. Such ICT support services shall accommodate the communication needs of individuals with disabilities.

Legal Disclaimer (Apogee Telecom)

The information above describes this product's ability to support the applicable Standards/Guidelines, subject to Apogee Telecom's interpretation of those standards, internal and 3rd-party testing, and the remarks in this document. For more information regarding the accessibility status of this product or other Apogee products, or to report any accessibility errors or conformance claim errors, please contact: accessibility@apogee.us.

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