

**Date:** July 5, 2017

**Name of Product:** Cisco WAP581 (Wireless Access Point)

**Contact for more information:** [accessibility@cisco.com](mailto:accessibility@cisco.com)

The following testing was done on a Windows 10 with Freedom Scientific's JAWs screen reader v18, Microsoft Accessibility Options (Filter keys and Display/Contrast settings), and standard Keyboard.

## Summary Table - Voluntary Product Accessibility Template

Criteria	Supporting Features	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Not Applicable	
Section 1194.22 Web-based internet information and applications	Included	Firmware version 1.0
W3C WCAG 2.0 Checkpoints	Included	
Section 1194.23 Telecommunications Products	Not Applicable	
Section 1194.24 Video and Multi-media Products	Not Applicable	
Section 1194.25 Self-Contained, Closed Products	Included	The physical hardware of the Wireless Access Points are classified as "back office" equipment per 1194.3(f)
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Included	
Section 1194.41 Information, Documentation and Support	Included	

Note: Wireless Access Points (WAP) hardware is considered exempt from Section 508 because of the 1194.3(f) Back Office Exemption Clause. The products located in spaces frequented only by service personnel for maintenance, repair, or occasional monitoring of equipment are not required to be compliant with section 508.

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## Version of the Product



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## Section 1194.22: Web-based Internet information and applications – Detail

Clause	Criteria	Status	Remarks and Explanations
1194.22(a)	A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports with Exceptions	Some non-text contents do not have alternative text.
1194.22(b)	Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	The product does not have multimedia content.
1194.22(c)	Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports with Exceptions	Some colors are used as the only visual means of conveying information on data charts.
1194.22(d)	Documents shall be organized so they are readable without requiring an associated style sheet.	Supports with Exceptions	Equivalent Facilitation is provided to support low vision users in high contrast. Some elements are not visible in high-contrast schemes.
1194.22(e)	Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	The product does not have server-side image maps.
1194.22(f)	Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Not Applicable	The product does not have server-side image maps.
1194.22(g)	Row and column headers shall be identified for data tables.	Supports with Exceptions	Some data tables do not fully support screen reader software.
1194.22(h)	Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Not Applicable	The product does not have complex table structure.
1194.22(i)	Frames shall be titled with text that facilitates frame identification and navigation.	Supports with Exceptions	Some frames do not fully support screen reader software.
1194.22(j)	Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	The product does not have flashing content.

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1194.22(k)	A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Does Not Support	For every non-compliant page, the product does not have a text-only equivalent page.
1194.22(l)	When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by assistive technology.	Supports with Exceptions	Some pages with scripting languages do not fully support screen reader software.
1194.22(m)	When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).	Not Applicable	The product does not have applet or plug-in content.
1194.22(n)	When electronic forms are designed to be completed online, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports with Exceptions	Some forms do not fully support screen reader software.
1194.22(o)	A method shall be provided that permits users to skip repetitive navigation links.	Does Not Support	The product does not have a method to skip repetitive navigation links.
1194.22(p)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports	

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## W3C WCAG 2.0 Checkpoints – Detail

Checkpoint	Description	Status	Remarks and Explanations
1.1.1 (A)	Non-text content	Supports with Exceptions	Some non-text content does not fully support screen reader software.
1.2.1 (A)	Audio-only and Video-only (Prerecorded)	Not Applicable	There is no multimedia content.
1.2.2 (A)	Captions (Prerecorded)	Not Applicable	There is no multimedia content.
1.2.3 (A)	Audio Description or Media Alternative (Prerecorded)	Not Applicable	There is no multimedia content.
1.2.4 (AA)	Captions (Live)	Not Applicable	There is no multimedia content.
1.2.5 (AA)	Audio Description (Prerecorded)	Not Applicable	There is no multimedia content.
1.3.1 (A)	Info and Relationships	Supports with Exceptions	Some form elements and data tables do not fully support screen reader software.
1.3.2 (A)	Meaningful Sequence	Supports	
1.3.3 (A)	Sensory Characteristics	Not Applicable	There are no sensory characteristics of components.
1.4.1 (A)	Use of Color	Supports with Exceptions	Some colors are used as the only visual means of conveying information.
1.4.2 (A)	Audio Control	Not Applicable	There is no audio control.
1.4.3 (AA)	Contrast (Minimum)	Supports with Exceptions	Some texts do not meet the contrast ratio minimum requirement. Some elements are not visible in high-contrast schemes.
1.4.4 (AA)	Resize Text	Supports	
1.4.5 (AA)	Images of Text	Not Applicable	There is no image of text.
2.1.1 (A)	Keyboard	Supports with Exceptions	Some elements are not accessible with keyboard.
2.1.2 (A)	No Keyboard Trap	Supports	
2.2.1 (A)	Timing Adjustable	Supports	

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2.2.2 (A)	Pause, Stop, Hide	Not Applicable	There is no moving, blinking, scrolling, or auto-updating information object.
2.3.1 (A)	Three Flashes or Below Threshold	Not Applicable	There are no flashing objects.
2.4.1 (A)	Bypass Blocks	Supports with Exceptions	Some frames do not have TITLE attribute. The product does not have a method to skip repetitive navigation links.
2.4.2 (A)	Page Titled	Supports	
2.4.3 (A)	Focus Order	Supports with Exceptions	Some elements do not maintain a logical focus order.
2.4.4 (A)	Link Purpose (In Context)	Supports	
2.4.5 (AA)	Multiple Ways	Supports	
2.4.6 (AA)	Headings and Labels	Supports with Exceptions	Some pages does not have headings.
2.4.7 (AA)	Focus Visible	Supports with Exceptions	Some elements do not have visible focus.
3.1.1 (A)	Language of Page	Supports	
3.1.2 (AA)	Language of Parts	Not Applicable	There are no multiple languages phrases on a page.
3.2.1 (A)	On Focus	Supports	
3.2.2 (A)	On Input	Supports	
3.2.3 (AA)	Consistent Navigation	Supports	
3.2.4 (AA)	Consistent Identification	Supports	
3.3.1 (A)	Error Identification	Supports	
3.3.2 (A)	Labels or Instructions	Supports with Exceptions	Screen reader does not announce some of required labels and instructions on form elements.
3.3.3 (AA)	Error Suggestion	Supports	

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3.3.4 (AA)	Error Prevention (Legal, Financial, Data)	Not Applicable	There is no legal or financial information.
4.1.1 (A)	Parsing	Supports with Exceptions	Some elements do not have unique ID on a page.
4.1.2 (A)	Name, Role, Value	Supports with Exceptions	Some widgets do not have corrected Name, Role and Value.

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## Section 1194.25: Self-Contained, Closed Products – Detail

508 Clause	Criteria	Status	Remarks and Explanations
1194.25(a)	Self-contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.	Supports with Exceptions	User with computers can connect to the Wireless Access Point (WAP) via Web interface. For exceptions, see remarks for 1194.22.
1194.25(b)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	No instances of required timed responses.
1194.25(c)	Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	Not Applicable	No touchscreen required.
1194.25(d)	When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	Not Applicable	No instances of biometric forms of user identification or control.
1194.25(e)	When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at any time.	Not Applicable	No instances of audio or listening features.

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1194.25(f)	When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.	Not Applicable	No instances of audio or listening features.
1194.25(g)	Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports	The product provides a LED light with color variations during different states of operation. All information of the operational states is also provided via GUI output.
1194.25(h)	When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.	Not Applicable	No instances of color or contrast settings.
1194.25(i)	Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	LED lights on the Wireless Access Points blink during different states, but in no way cause the screen to flicker.
1194.25(j1)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls.	Supports	This device is intended to be ceiling or wall mounted. The dependency on meeting this requirement is the location in which the Access Point is placed in the location.

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1194.25(j2)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.	Supports	This device is intended to be ceiling or wall mounted. The dependency on meeting this requirement is the location in which the Access Point is placed in the location.
1194.25(j3)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.	Supports	This device is intended to be ceiling or wall mounted. The dependency on meeting this requirement is the location in which the Access Point is placed in the location.
1194.25(j4)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.	Supports	This device is intended to be ceiling or wall mounted. The dependency on meeting this requirement is the location in which the Access Point is placed in the location.

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## Section 1194.31: Functional Performance Criteria – Detail

Clause	Criteria	Status	Remarks and Explanations
1194.31(a)	At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supports with Exceptions	For exceptions, see remarks for 1194.22 (a) (g) (i) (l) (n) (o).
1194.31(b)	At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports with Exceptions	For exceptions, see remarks for 1194.22 (c) (d).
1194.31(c)	At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided	Supports	
1194.31(d)	Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Supports	
1194.31(e)	At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Supports	
1194.31(f)	At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports	

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## Section 1194.41: Information, Documentation and Support - Detail

Clause	Criteria	Status	Remarks and Explanations
1194.41(a)	Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supports	Accessible documentation is available through Cisco TAC upon request.
1194.41(b)	End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Supports	Accessible documentation is available through Cisco TAC upon request.
1194.41(c)	Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Cisco conforms through equal facilitation. Customers may reach Cisco Technical Assistance Center (TAC) via Phone, Email or Web Form. All cases open through email or web are opened as Priority 3 cases. All Priority 1 or Priority 2 case can only be opened via the telephone. TTY users must call the Text Relay Service (TRS) by dialing 711 or their state Video Relay Service (VRS) and have the TRS agent contact Cisco TAC via voice.

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## Supporting Feature (Status) Terminology

The result of "Accessibility Testing" assists in the determination of the Supporting Features.

Supporting Features or Status	Description
Supports	Use this language when you determine the product fully meets the letter and intent of the Criteria.
Supports with Exceptions	Use this language when you determine the product does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria. Please document the exception in the "Remarks and Explanations" column.
Supports through Equivalent Facilitation	Use this language when you have identified an alternate way to meet the intent of the Criteria or when the product does not fully meet the intent of the Criteria. Please document the exception in the "Remarks and Explanations" column.
Supports when combined with Compatible Assistive Technology	Use this language when you determine the product fully meets the letter and intent of the Criteria when used in combination with Compatible Assistive Technology. For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used assistive technology for people who are blind). Please document the exception in the "Remarks and Explanations" column.
Does not Support	Use this language when you determine the product does not meet the letter or intent of the Criteria. Please document the reason in the "Remarks and Explanations" column.
Not Applicable	Use this language when you determine that the Criteria do not apply to the specific product. For example, many web applications don't have video content the "Not Applicable" can be used. Please state "The application does not have any video content" in the "Remarks and Explanations" column. Please document the reason in the "Remarks and Explanations" column.

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