Date: June 27, 2017

Name of Product: Cisco DX70 and DX80 Collaboration Endpoint Software CE 8.x

Contact for more information: accessibility@cisco.com

The following testing was done on a Collaboration Based Software End Point DX70 and DX80. Web Interface testing was done on a Windows 10 with Firefox 53.0.3, Freedom Scientific's JAWs screen reader v17, 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	Included	
Section 1194.22 Web-based internet information and applications	Included	System Administration Web Interface.
W3C WCAG 2.0 Checkpoints	Included	System Administration Web Interface.
Section 1194.23 Telecommunications Products	Included	
Section 1194.24 Video and Multi-media Products	Included	
Section 1194.25 Self-Contained, Closed Products	Not Applicable	
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Included	
Section 1194.41 Information, Documentation and Support	Included	

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Version of the Product



Data Sheets:

DX70: http://www.cisco.com/c/en/us/products/collaboration-endpoints/dx70/index.html DX80: http://www.cisco.com/c/en/us/products/collaboration-endpoints/dx70/index.html

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Section 1194.21: Software Applications and Operating Systems – Detail

Clause	Criteria	Status	Remarks and Explanations
1194.21(a)	When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supports with Exceptions	The input is controlled through a capacitive touch display. The DX series can be used with a Bluetooth or USB keyboard. However, the keyboard support is recommended for text entry only and for the navigation of the GUI elements in the interface.
1194.21(b)	Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Supports	
1194.21(c)	A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	Supports with Exceptions	Product provides excellent on-screen indication of current focus, but Assistive Technology support is not available, e.g. a screen reader or screen magnifier.

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1194.21(d)	Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.	Does Not Support	Product does not provide the ability to load or install Assistive Technology.
1194.21(e)	When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Does Not Support	Product does not provide the ability to load or install Assistive Technology.
1194.21(f)	Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Does Not Support	Product does not support a screen reader.
1194.21(g)	Applications shall not override user selected contrast and color selections and other individual display attributes.	Does Not Support	No option for the user to change contrast, color selections and other display attributes.
1194.21(h)	When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not Applicable	No instances of animations.
1194.21(i)	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	
1194.21(j)	When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Not Applicable	Product does not permit a user to adjust color and contrast settings.

1194.21(k)	Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Supports	
1194.21(I)	When electronic forms are used, 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.	Does Not Support	Product does not support a screen reader.

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	
1194.22(b)	Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	Web site 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	
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. Some elements do not meet the minimum contrast
1194.22(e)	Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	Web site does not have server- side image map.
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	Web site does not have client- side image map.
1194.22(g)	Row and column headers shall be identified for data tables.	Supports with Exceptions	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	Web site does not have complex data tables.
1194.22(i)	Frames shall be titled with text that facilitates frame identification and navigation.	Not Applicable	Website has no frames.

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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	Web site has no flashing content.
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	No text-only page provided.
1194.22(I)	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	Not all elements are fully compatible with screen reader assistive technology.
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	No plug-in used.
1194.22(n)	When electronic forms are designed to be completed on- line, 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	Not all form elements are fully compatible with screen reader assistive technology.
1194.22(o)	A method shall be provided that permits users to skip repetitive navigation links.	Does Not Support	Web site does not have skip navigation link.
1194.22(p)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	Web Site does not have timed response pages.

W3C WCAG 2.0 Checkpoints - Detail

Checkpoint	Description	Status	Remarks and Explanations
1.1.1 (A)	Non text content	Supports	
1.2.1 (A)	Audio-only and Video-only (Prerecorded)	Not Applicable	No audio-only or video-only content
1.2.2 (A)	Captions (Prerecorded)	Not Applicable	No prerecorded audio or video content
1.2.3 (A)	Audio Description or Media Alternative (Prerecorded)	Not Applicable	No prerecorded audio or video content
1.2.4 (AA)	Captions (Live)	Not Applicable	No real-time presentation
1.2.5 (AA)	Audio Description (Prerecorded)	Not Applicable	No prerecorded audio or video 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 with Exceptions	Navigation of some pages is not logical.
1.3.3 (A)	Sensory Characteristics	Not Applicable	No elements with sensory characteristics
1.4.1 (A)	Use of Color	Supports	
1.4.2 (A)	Audio Control	Not Applicable	No automatic audio content.
1.4.3 (AA)	Contrast (Minimum)	Supports with Exceptions	Some elements do not meet the minimum contrast. 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	No images of text
2.1.1 (A)	Keyboard	Supports with Exceptions	Some elements cannot be accessed using only keyboard.
2.1.2 (A)	No Keyboard Trap	Supports	
2.2.1 (A)	Timing Adjustable	Not Applicable	No timeouts used
2.2.2 (A)	Pause, Stop, Hide	Not Applicable	No moving or blinking content

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2.3.1 (A)	Three Flashes or Below Threshold	Not Applicable	No flashing or blinking content
2.4.1 (A)	Bypass Blocks	Does Not Support	No link to skip to main content provided
2.4.2 (A)	Page Titled	Supports	
2.4.3 (A)	Focus Order	Supports with Exceptions	Tab navigation is not in logical order on some pages and dialogs.
2.4.4 (A)	Link Purpose (In Context)	Supports	
2.4.5 (AA)	Multiple Ways	Supports with Exceptions	Some of the pages only have one way to locate the web page.
2.4.6 (AA)	Headings and Labels	Supports with Exceptions	Pages have hierarchical headings but some additional elements are made headings, which is not required.
2.4.7 (AA)	Focus Visible	Supports	
3.1.1 (A)	Language of Page	Does Not Support	Does not specify the primary language of the website.
3.1.2 (AA)	Language of Parts	Not Applicable	Only one language used in the website.
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	Some required form fields are not indicated.
3.3.3 (AA)	Error Suggestion	Supports	
3.3.4 (AA)	Error Prevention (Legal, Financial, Data)	Not Applicable	No legal/financial data used.
4.1.1 (A)	Parsing	Supports	
4.1.2 (A)	Name, Role, Value	Supports with	Name and role of some elements are

	Exceptions	not announced correctly by the screen
		reader

Section 1194.23: Telecommunications Products - Detail

Clause	Criteria	Status	Remarks and Explanations
1194.23(a)	Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.	Does Not Support	Product does not provide TTY functionality.
1194.23(b)	Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Does Not Support	Product does not provide TTY functionality.
1194.23(c)	Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable	This requirement applies only to voice mail, auto-attendant, and interactive voice response systems.
1194.23(d)	Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.	Not Applicable	This requirement applies only to voice mail, auto-attendant, and interactive voice response systems.
1194.23(e)	Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Does Not Support	No support for TTY users. Call ID is not provided for users who cannot see displays.

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1194.23(f)	For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.	Supports through Equivalent Facilitation	It is recommended to use Assistive Listening devices to enhance the voice signals for individuals with hearing impairments. Refer the recommendation section in this document.
1194.23(g)	If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.	Does Not Support	Volume is not reset to a default level after every use. However, the output volume does not exceed 20db of gain.
1194.23(h)	Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.	Not Applicable	Product does not have a handset.
1194.23(i)	Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.	Supports	
1194.23(j)	Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.	Supports	

1194.23(k1)	Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.	Supports with Exceptions	DX80: The buttons (mute, volume up/down) are concave physical buttons. The DX70 has buttons that are flush to the screen (mute, on/off, and volume) that are not tactilely discernible.
1194.23(k2)	Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.	Supports	The buttons meet the 22.2N maximum. However, the DX70 is a capacitive device, which requires the touch of finger or a capacitive stylus to use the product.
1194.23(k3)	Products which have mechanically operated controls or keys shall comply with the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.	Not Applicable	Does not have mechanical control or key to support auto repeat function.
1194.23(k4)	Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Supports with Exceptions	Visual notification is supported for Mute and Hold. No audio notification such as Single Tone for Mute On, Double Tone for Mute Off.

Section 1194.24: Video and Multimedia Products - Detail

Clause	Criteria	Status	Remarks and Explanations
1194.24(a)	All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.	Not Applicable	Does not have analog television receiver.
1194.24(b)	Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	Not Applicable	Applicable for television tuners or tuner cards.
1194.24(c)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.	Not Applicable	
1194.24(d)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.	Not Applicable	
1194.24(e)	Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Does Not Support	The DX Series endpoints video capabilities do not

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		provide alternative text presentation of the audio.

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.	Does Not Support	Product does not support a screen reader. See 1194.22 (g)(k)(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	At normal working distances, visual acuity greater than 20/70 is not required. Paragraph 707.5.6.2 in the ADA accessibility design guidelines (published in the Federal Register, November 16, 1999) states that, Characters displayed on a screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8 mm) minimum in height based on the uppercase letter I. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background. See 1194.22 (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 with Exceptions	Provide a visual indication of incoming calls and permit the volume of the ringer to be adjusted.

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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 with Exceptions	For exceptions see remarks for 1194.23(g).
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 with Exceptions	Recommended Assistive Listening Devices, Captioning Solutions, and Transcription Services are needed to meet this requirement.
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 with Exceptions	DX 70/80 is a capacitive touch device that relies on touch to use the interface. A capacitive stylus could be used for users with a mobility impairment.

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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