

Scopia XT Series Endpoints

Voluntary Product Accessibility Template (VPAT)

The Scopia XT series is a family of advanced videoconferencing endpoints that offer the most advanced audio (20 kHz analog bandwidth with echo cancellation), video (up to HD 1080p/60fps with H.264 High Profile coding) and interactive technologies (screen sharing up to WUXGA resolution).

Scopia XT series endpoints deliver real-time face to face interactions between people across disparate networks. Multipoint communications is possible through an external Multipoint Control Unit or using the embedded one.

Three different modes of operation and control are available. They may be used individually or simultaneously. *Depending on the nature of a user's disability, one of the modes may be preferable.* The modes are:

- **Handheld remote:** In this mode, a handheld infrared remote controller is used in conjunction with an on-screen graphical user interface. (In many respects, the interface style is similar to that provided by consumer remote control televisions.) All keys on the handheld remote control are identifiable by touch.
- **Browser-based:** In this mode, Scopia XT functions are accessed via a browser-based interface. All functions are controllable via the keyboard, as well as via a mouse. Most assistive technologies that are compatible with the browser and with the operating system of the computer or device that is running the browser are supported.
- **Scopia Control:** Using a special purpose application (“Scopia Control”) running on top of an Apple iPad tablet. Scopia Control uses Multi-Touch gestures on a capacitive touch screen requiring no force; the built-in Apple “AssistiveTouch” feature enables gestures to be entered using only one finger or stylus. An onscreen keyboard for text input is available. The built-in Apple “VoiceOver” screen reader provides spoken feedback when using the virtual keyboard and a spoken description of the elements on which the cursor is focused. In summary, Scopia Control provides a touch keyboard for textual input and for the control of all functions. Textual feedback is provided when functions are executed.

Support Levels

| Support Level | Description |
|--|---|
| Supports | Scopia XT Series Endpoints fully meet the letter and intent of the criterion. |
| Supports with Exceptions/Minor Exceptions | Scopia XT Series Endpoints do not fully meet the letter and intent of the criterion, but provides some level of access relative to the criterion. |
| Supports through Equivalent Facilitation | Scopia XT Series Endpoints provide an alternate way to meet the intent of the criterion. |
| Supports when combined with Compatible Assistive Technology | Scopia XT Series Endpoints fully meet the letter and intent of the criterion when used in combination with compatible assistive technology. |
| Does Not Support | Scopia XT Series Endpoints do not meet the letter or intent of the criterion. |
| Not Applicable | The criterion does not apply. |
| Not Applicable – Fundamental Alteration Exception Applies | A fundamental alteration of Scopia XT Series Endpoints is required to meet the criterion. |

Compliance Summary

| Criteria | Support Levels |
|--|---------------------------------|
| Section 1194.21 Software Applications and Operating Systems | Supports |
| Section 1194.22 Web-based Intranet and Internet Information and Applications | Supports with Exceptions |
| Section 1194.23 Telecommunications Products | Supports with Exceptions |
| Section 1194.24 Video and Multi-media Products | Not applicable |
| Section 1194.25 Self-Contained, Closed Products | Not applicable |
| Section 1194.26 Desktop and Portable Computers | Not applicable |
| Section 1194.31 Functional Performance Criteria | Supports with Exceptions |
| Section 1194.41 Information, Documentation and Support | Supports |

§ 1194.21 Software Applications and Operating Systems

| <i>Criteria</i> | <i>Support Levels</i> | <i>Remarks and Explanations</i> |
|---|--|---|
| <p>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.</p> | <p><u>Handheld remote:</u> Supports with exceptions</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports when used in conjunction with compatible AT</p> | <p><u>Handheld remote:</u> All functions are operable without vision via tactilely identifiable keys. In some cases, the result of performing a function cannot be discerned textually.</p> <p><u>Browser-based:</u> All functions are operable via the keyboard. The result of performing a function can be discerned textually.</p> <p><u>Scopia Control:</u> All functions are operable via an electronic keyboard. The result of performing a function can be discerned textually. Note: Some users may find it necessary to access the keyboard in conjunction with the iPad “Assistive Touch” and “Voice Over” options.</p> |
| <p>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.</p> | <p><u>Handheld remote:</u> Not applicable</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> There are no accessibility functions that can be disabled.</p> <p><u>Browser-based:</u> The accessibility features of other products or of the operating system are not disabled.</p> <p><u>Scopia Control:</u> The accessibility features of other products or of the operating system are not disabled.</p> |

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| <p>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.</p> | <p><u>Handheld remote:</u> Supports with exceptions</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> A well-defined on-screen indication of the current focus is provided. (Note that this mode of operation does not provide support for assistive technology.)</p> <p><u>Browser-based:</u> A well-defined on-screen indication of the current focus is provided. The focus is programmatically exposed.</p> <p><u>Scopia Control:</u> A well-defined on-screen indication of the current focus is provided. The focus is programmatically exposed.</p> |
| <p>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.</p> | <p><u>Handheld remote:</u> Does not support</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> This mode of operation does not provide support for assistive technology.</p> |
| <p>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.</p> | <p>Supports</p> | |
| <p>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.</p> | <p><u>Handheld remote:</u> Does not support</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> This mode of operation does not provide support for assistive technology.</p> |
| <p>1194.21(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p> | <p>Supports</p> | |
| <p>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.</p> | <p>Not applicable</p> | <p>Animations are not used.</p> |
| <p>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.</p> | <p>Supports</p> | |
| <p>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.</p> | <p>Not applicable</p> | <p>The interfaces do not permit a user to adjust the color and contrast settings.</p> |

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| <p>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.</p> | <p>Supports</p> | <p>There are no flashing or blinking elements.</p> |
| <p>1194.21(l) 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.</p> | <p><u>Handheld remote:</u> Does not support</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> This mode of operation does not provide support for assistive technology.</p> |

§ 1194.22 Web-based Intranet and Internet Applications

The requirements in this section apply to the Scopia XT browser-based interface. The handheld remote and Scopia Control interfaces are not web-based Intranet or Internet applications.

| Criteria | Support Levels | Remarks and Explanations |
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| 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 minor exceptions | Most of the functional elements have text equivalents. The icons that indicate the type of call (incoming/outgoing/missed) do not. |
| 1194.22(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation. | Not applicable | There are no multimedia presentations. |
| 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 | |
| 1194.22(e) Redundant text links shall be provided for each active region of a server-side image map. | Not applicable | There are no 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 | There are no client-side image maps. |
| 1194.22(g) Row and column headers shall be identified for data tables. | Supports | |
| 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 | There are no data tables that have two or more logical levels of row or column headers. |
| 1194.22(i) Frames shall be titled with text that facilitates frame identification and navigation. | Supports | |
| 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. | Supports | There is no flickering or 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 these standards, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes. | Supports | An equivalent text-only page is presented when Cascading Style Sheets is disabled. |

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| <p>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.</p> | <p>Supports</p> | |
| <p>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).</p> | <p>Not applicable</p> | <p>There are no applets or client-based plug-ins.</p> |
| <p>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.</p> | <p>Supports</p> | |
| <p>1194.22(o) A method shall be provided that permits users to skip repetitive navigation links.</p> | <p>Does not support</p> | |
| <p>1194.22(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</p> | <p>Not applicable</p> | <p>There are no timed responses or time-out periods.</p> |

§ 1194.23 Telecommunications Products

| <i>Criteria</i> | <i>Support Levels</i> | <i>Remarks and Explanations</i> |
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| 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 | TTY communication is not supported. |
| 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 | TTY communication is not supported. |
| 1194.23(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs. | Not applicable | There is no voice mail, auto-attendant, or interactive voice response functionality. |
| 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 | There is no voice mail, auto-attendant, or interactive voice response functionality. |
| 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. | For users of TTYs: Does not support | There is no support for TTY users. |
| | For users who cannot see displays: <u>Handheld remote:</u> Does not support | <u>Handheld remote:</u> Does not support. This mode does not provide support for assistive technology. |
| | <u>Browser-based:</u> Supports | <u>Browser-based:</u> Caller identification is presented as text that can be read by assistive technology. |
| 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. | <u>Scopia Control:</u> Supports | <u>Scopia Control:</u> Caller identification is presented as text that can be read by assistive technology. |
| | Supports | |

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| <p>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.</p> | <p>Supports</p> | |
| <p>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.</p> | <p>Not applicable</p> | <p>The system is intended for use in conference rooms, utilizing loudspeakers rather than audio transducers that are normally held up to the ear.</p> <p>For users who require magnetic wireless coupling to hearing technologies, the platform provides audio interfaces that allow earphones and assistive hearing devices to be connected.</p> |
| <p>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.</p> | <p>Not applicable</p> | <p>Conformance with this requirement is dependent on the hardware that is utilized in conjunction with the Scopia user interface software.</p> |
| <p>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.</p> | <p>Not applicable</p> | <p>This is a network requirement that does not apply to the protocols used by Scopia endpoints for audio and video conferencing.</p> |
| <p>1194.23(k)(1) 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.</p> | <p><u>Handheld remote:</u> Supports</p> <p><u>Browser-based:</u> Not applicable</p> <p><u>Scopia Control:</u> Not applicable</p> | <p><u>Handheld remote:</u> The remote control device has a consistent key layout, key spacing, and uniquely shaped controls that can act as tactile navigation landmarks. There is raised dot on the number 5 button.</p> <p><u>Browser-based:</u> This requirement applies to the user's keyboard, and not to the Scopia software.</p> <p><u>Scopia Control:</u> This requirement applies to the user's iPad, and not to the Scopia software.</p> |
| <p>1194.23(k)(2) 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.</p> | <p><u>Handheld remote:</u> Supports</p> <p><u>Browser-based:</u> Not applicable</p> <p><u>Scopia Control:</u> Not applicable</p> | <p><u>Handheld remote:</u> The remote control is operable with one hand. The force required to operate the controls and keys is less than five pounds.</p> <p><u>Browser-based:</u> This requirement applies to the user's keyboard, and not to the Scopia software.</p> <p><u>Scopia Control:</u> This requirement applies to the user's iPad, and not to the Scopia software.</p> |

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| <p>1194.23(k)(3) 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.</p> | <p><u>Handheld remote:</u> Not applicable</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Not applicable</p> | <p><u>Handheld remote:</u> There is no key repeat function.</p> <p><u>Browser-based:</u> The key repeat rate is determined by the user-selected operating system preferences.</p> <p><u>Scopia Control:</u> There is no key repeat function.</p> |
| <p>1194.23(k)(4) 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.</p> | <p><u>Handheld remote:</u> Supports with exceptions</p> <p><u>Browser-based:</u> Supports</p> <p><u>Scopia Control:</u> Supports</p> | <p><u>Handheld remote:</u> The status of all locking or toggle controls or keys is visually discernible, but not discernible by touch or sound.</p> <p><u>Browser-based:</u> The status of all locking or toggle controls or keys is visually discernible, and presented as text that can be read by assistive technology.</p> <p><u>Scopia Control:</u> The status of all locking or toggle controls or keys is visually discernible, and presented as text that can be read by assistive technology.</p> |

§ 1194.31 Functional Performance Criteria

| <i>Criteria</i> | <i>Support Levels</i> | <i>Remarks and Explanations</i> |
|---|--|---|
| 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. | Not applicable – Fundamental alteration exception applies | The purpose of the Scopia XT series endpoints is to support video teleconferencing. A fundamental alteration in the purpose of the product would be required in order to support users who are blind. Nevertheless, the product is operable without vision by using the appropriate combination of user interface options, as described in the § 1194.21, 1194.22, and 1194.23 responses. |
| 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. | <u>Handheld remote:</u> Does not support <u>Browser-based:</u> Supports <u>Scopia Control:</u> Supports | <u>Handheld remote:</u> There is no support for assistive technology. <u>Browser-based:</u> In addition to the support described in the described in the § 1194.21 and 1194.22 responses, the interface is operable in conjunction with screen magnification adjuncts. <u>Scopia Control:</u> Support is provided for text magnification, screen magnification, and text-to-speech adjuncts. |
| 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. | User interface: Supports Telecommunication functions: Does not support | User hearing is not required in order to operate the Scopia XT Series user interfaces. With regard to telecommunication functions, the Scopia XT Series does not provide a TTY interface, nor is there a way to use an analog TTY device in conjunction with the Scopia XT Series. There is no support for closed captioning or for bidirectional text chat. When not constrained by network bandwidth or quality of service limitations, Scopia XT Series is usable for sign language communication. |
| 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 | User hearing is not required in order to operate the Scopia XT Series user interfaces. With regard to telecommunication functions, the audio gain is user-adjustable. The platform also provides audio interfaces through which earphones and assistive hearing devices can be connected. |

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| <p>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.</p> | <p>User interface: Supports</p> <p>Telecommunication functions: Does not support</p> | <p>User speech is not required in order to operate the Scopia XT Series user interfaces.</p> <p>With regard to telecommunication functions, the Scopia XT Series does not provide a TTY interface, nor is there a way to use an analog TTY device in conjunction with the Scopia XT Series. There is no support for closed captioning or for bidirectional text chat.</p> <p>When not constrained by network bandwidth or quality of service limitations, Scopia XT Series is usable for sign language communication.</p> |
| <p>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.</p> | <p>Supports</p> | |

§ 1194.41 Information, Documentation and Support

| <i>Criteria</i> | <i>Support Levels</i> | <i>Remarks and Explanations</i> |
|---|-----------------------|---|
| 1194.41(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge. | Supports | Will provide 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 | Will provide upon request. |
| 1194.41(c) Support services for products shall accommodate the communication needs of end-users with disabilities. | Supports | Avaya's point-of-contact for accessibility-related issues: Dr. Paul R. Michaelis Voice: 303-538-4101 TTY: 303-538-3740 prmichaelis-at-avaya.com |

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