VPATTM

Voluntary Product Accessibility Template®

Version 1.6

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Name of Product: Applicable Sharp Professional Video and Multi-media Products: PN-B401, PN-B501, PN-M401, PN-M501, PN-HB751, PN-HM751, PN-Y326, PN-Y436, PN-Y496, PN-Y556, PN-E603, PN-E703, PN-E803, PN-LE601, PN-LE701, PN-LE801, PN-LE901, PN-R426, PN-R496, PN-R556, PN-R606, PN-R706, PN-R903A, PN-L401C, PN-L501C, PN-C605B, PN-C705B, PN-C805B, PN-CE701H, PNC-C751H, PN-C861H, PN-L603B, PN-L603WA, PN-L703B, PN-L703WA, PN-L803CA, PN-L705H, PN-L805H, PN-L651H, PN-L751H, PN-L851H, PN-CD701, 4T-B70CT1U, PN-V550A, PN-V600A, PN-V601A, PN-V701, 8M-B70AU, 8M-B80AX1U, PN-UH431, PN-UH501, PN-UH551, PN-UH601, PN-UH701, PN-UH861, 4T-B60CJ1U, 4T-B70CJ1U, 4T-B80CJ1U

Summary Table VPAT™

Criteria	Supporting Features	Remarks and explanations
Section 1194.21 <u>Software</u> Applications and Operating Systems	Not Applicable.	Not applicable as a Software Application or Operating System.
Section 1194.22 Web-based Internet Information and Applications	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
Section 1194.23 Telecommunications Products	Not Applicable.	Not applicable as a Telecommunications Product.
Section 1194.24 <u>Video and Multi-media Products</u>	See Below.	See Below.
Section 1194.25 <u>Self-Contained,</u> <u>Closed Products</u>	Not Applicable.	Not applicable as a Self-Contained / Closed Product.

Section 1194.26 <u>Desktop and</u> <u>Portable Computers</u>	Not Applicable.	Not applicable as a Desktop or Portable Computer.
Section 1194.31 <u>Functional</u> <u>Performance Criteria</u>	See Below.	See Below.
Section 1194.41 <u>Information</u> , <u>Documentation and Support</u>	See Below.	See Below.

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Section 1194.21 Software Applications and Operating Systems – Detail

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Criteria	Supporting Features	Remarks and explanations
(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.	Not Applicable.	Not applicable as a Software Application or Operating System
(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	Not Applicable.	Not applicable as a Software Application or Operating System

documented by the manufacturer of the operating system and is available to the product developer. (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. (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. (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. (f) Textual information shall be provided through operating system Not Applicable. Not applicable as a Software Application or Operating System Not Applicable. Not applicable as a Software Application or Operating System Not Applicable.
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. (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. (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. (f) Textual information shall be provided through operating system as a Software Application or Operating System Not Applicable. Not Applicable. Not application or Operating System Not Applicable. Not applicable as a Software Application or Operating System Not Applicable. Not Applicable. Not applicable as a Software Application or Operating System
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. (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. (f) Textual information shall be provided through operating system as a Software Application or Operating System Not Applicable. Not applicable as a Software Application or Operating System Not applicable as a Software Application or Operating System
to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance. (f) Textual information shall be provided through operating system as a Software Application or Operating System Not Applicable. Not applicable as a Software
provided through operating system as a Software
functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes. Application or Operating System
(g) Applications shall not override user selected contrast and color selections and other individual display attributes. Not Applicable. Not applicable as a Software Application or Operating System
(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. Not applicable as a Software Application or Operating System
System System

the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.		as a Software Application or Operating System
(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 as a Software Application or Operating System
(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.	Not Applicable.	Not applicable as a Software Application or Operating System
(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.	Not Applicable.	Not applicable as a Software Application or Operating System

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Section 1194.22 Web-based Internet information and applications – Detail VPAT™

Criteria	Supporting Features	Remarks and explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Not Applicable.	Not applicable as a Web Based Internet Information / Application.

(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(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.	Not applicable as a Web Based Internet Information / Application.
(g) Row and column headers shall be identified for data tables.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(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.	Not applicable as a Web Based Internet Information / Application.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and	Not Applicable.	Not applicable as a Web Based Internet

lower than 55 Hz.		Information / Application.
(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.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(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.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(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.	Not applicable as a Web Based Internet Information / Application.
(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.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable.	Not applicable as a Web Based Internet Information / Application.

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

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Section 1194.23 Telecommunications Products

Detail

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Criteria	Supporting Features	Remarks and explanations
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(b) Telecommunications products which include voice communication functionality shall support all commonly used crossmanufacturer non-proprietary standard TTY signal protocols.	Not Applicable.	Not applicable as a Telecommunications Product
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable.	Not applicable as a Telecommunications Product

(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.	Not applicable as a Telecommunications Product
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product

(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.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(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.	Not Applicable.	Not applicable as a Telecommunications Product
(k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking	Not Applicable.	Not applicable as a Telecommunications Product

or toggle controls or keys shall be visually discernible, and discernible either through touch	
or sound.	

Section 1194.24 Video and Multi-media Products – Detail VPAT™

Criteria	Supporting Features	Remarks and explanations
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	Not Applicable for Monitors Commercial LE & UH Series TV's include Closed Caption Decoders	These Sharp Video and Multi-media products are not television receivers and do not incorporate a television tuner. Closed Caption Decoders are built-in to the following Sharp Commercial TV's PN-LE601, PN-LE701, PN-LE801, PN-LE901,PN-UH431, PN-UH501, PN-UH551, PN-UH601, PN-UH701, PN-UH861, 4T-B60CJ1U, 4T-B70CJ1U, 4T-B80CJ1U

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.		
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	Not Applicable for Monitors Commercial LE Series TV's include SAP Functionality	These Sharp Commerical TV's include SAP Functionality PN-LE601, PN-LE701, PN- LE801, PN-LE901, PN- UH431, PN-UH501, PN- UH551, PN-UH601, PN- UH701, PN-UH861, 4T- B60CJ1U, 4T-B70CJ1U, 4T- B80CJ1U
(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	This is a requirement of the software production, and not the hardware. [These Sharp Video and Multi-media models are "hardware" products and not "software" productions.
(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.	This is a requirement of the "software" and not the hardware utilized to play it back. All Sharp Professional Video and Multi-media displays and projectors offer full video and audio playback capability and incorporate standard video and audio inputs to comply with software that

(e) Display or presentation of alternate text presentation or audio	Not Applicable.	V600A, PN-V601A video wall displays, all models incorporate built in loudspeakers. The PN-V601A and PN-V701 typically are used as a part of a multi-screen video wall, and typically are utilized with external loudspeaker systems. This typically is a function of the "playback" device (i.e., DVD player, VCR.
		incorporate built in loudspeakers. The PN-V601A and PN-V701 typically are used as a part of a multi-screen video wall, and typically

Section 1194.25 Self-Contained, Closed Products – Detail

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Criteria	Supporting Features	Remarks and explanations
(a) Self contained products shall be usable by people with disabilities without requiring an enduser to attach Assistive Technology to the product. Personal	Not Applicable.	Not applicable as a Self- Contained / Closed Product.

headsets for private listening are not Assistive Technology.		
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable.	Not applicable as a Self- Contained / Closed Product.
(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.	Not applicable as a Self- Contained / Closed Product.
(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.	Not applicable as a Self- Contained / Closed Product.
(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 anytime.	Not Applicable.	Not applicable as a Self-Contained / Closed Product.
(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	Not Applicable.	Not applicable as a Self- Contained / Closed Product.

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.		
(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.	Not Applicable.	Not applicable as a Self-Contained / Closed Product.
(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.	Not applicable as a Self-Contained / Closed Product.
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable.	Not applicable as a Self- Contained / Closed Product.
(j) (1) 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,	Not Applicable.	Not applicable as a Self-Contained / Closed Product.

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.		
(j)(2) 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.	Not Applicable.	Not applicable as a Self-Contained / Closed Product.
(j)(3) 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.	Not Applicable.	Not applicable as a Self-Contained / Closed Product.
(j)(4) 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	Not Applicable.	Not applicable as a Self- Contained / Closed Product.

controls shall not be more than 24 inches behind the reference plane.	
plane.	

Section 1194.26 Desktop and Portable Computers – Detail VPAT™

Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Not Applicable.	Not applicable as a Desktop or Portable Computer.
(b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	Not Applicable.	Not applicable as a Desktop or Portable Computer.
(c) 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.	Not applicable as a Desktop or Portable Computer.
(d) Where provided, at	Not Applicable.	Not applicable as a

least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards

Section 1194.31 Functional Performance Criteria – Detail VPAT™

Criteria	Supporting Features	Remarks and explanations
(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.	All applicable models include wireless remote controls, as well as RS-232C and/or RJ-45 LAN ports for operation by a PC, over a network, or for interface with compatible third-party assistive technology devices.	Wireless remote control along with RS-232C and/or RJ-45 LAN ports permit interface with compatible third-party assistive technology devices.
(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	All applicable models include wireless remote controls, as well as RS-232C and/or RJ-45 LAN ports for operation by a PC, over a network, or for interface with compatible third-party assistive technology devices.	Wireless remote control along with RS-232C and/or RJ-45 LAN ports permit interface with compatible third-party assistive technology devices.

provided.		
(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	These models do not require hearing in order to operate.	Audio is not required to operate these models.
(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.	All models may be interfaced with external audio systems where audio level may be enhanced.	All models offer audio provisions with audio level control. They additionally may be interfaced with external audio systems where additional audio volume may be required.
(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.	User speech is not required for operation of these products.	These models do not require user speech for operation.
(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.	All applicable models include wireless remote controls, as well as RS-232C and/or RJ-45 ports for operation by a PC, over a network or for interface with compatible third-party assistive technology devices.	Wireless remote control along with RS-232C and/or RJ-45 LAN ports permit interface with compatible third-party assistive technology devices.

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Section 1194.41 Information, Documentation and Support – Detail VPAT™

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Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Product documentation is available at no charge in printed form as well as electronic files.	
(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.	Product operational support and review of product features is available in the U.S. by toll-free telephone as well as through e-mail communication.	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Support services are available in the U.S. by toll-free telephone as well as through e-mail communication.	

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