

Voluntary Product Accessibility Template (VPAT)

Name of Product: Canon Multimedia Projector REALiS (SX7)

Date: September 21, 2007

Note: This document was prepared based on normal walk-up functionality. It does not include maintenance and troubleshooting procedures. **The information contained in this document is proprietary information and is not for reproduction, publication or manipulation in any way or form.** This template addresses a multitude of **Canon Multimedia Projector REALiS (SX7)** features; however, any specific inquiries should be made to Aubrey Woolley, Canon U.S.A., Inc. at (703) 807-3400.

The rules below refer to the Electronic and Information Technology Accessibility Standards (covered by Section 508 of the Rehabilitation Act of 1998) issued by the Architectural and Transportation Compliance Board. Comments in the "Supporting Features" column are based on the Information Technology Industry Council's suggested language for use when filling out the Voluntary Product Accessibility Template. The Remarks and Explanations column provides additional information on the evaluation results, and explains the standard functions of the **Canon Multimedia Projector REALiS (SX7)** that can accommodate users with disabilities.

Summary Table Voluntary Product Accessibility Template

Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Not Applicable	Not a Software Application or Operating System
Section 1194.22 Web-based Internet Information and Applications	Not Applicable	Not Web-based Internet Information or Application
Section 1194.23 Telecommunications Products	Not Applicable	Not a Telecommunications Product
Section 1194.24 Video and Multi-media Products	Not Applicable	Not a Video/ Multi-media Product
Section 1194.25 Self-Contained, Closed Products	Supports with exceptions*	
Section 1194.26 Desktop and Portable Computer	Not Applicable	Not a Desktop/Portable Computer
Section 1194.31 Functional Performance Criteria	Supports with exceptions*	
Section 1194.41 Information, Documentation, and Support	Supports with exceptions*	

*Please refer to the following pages for detailed information on supporting features and exceptions.

Section 1194.25 Self-Contained, Closed Products

Criteria	Supporting Features	Remarks and explanations
(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	There are features that could be improved to increase usability for users with visual and mobility impairments. (See Remarks and Explanations in Section 1191.31.) Because some degree of user vision is assumed as a precondition to view the projected image, the “fundamental alteration exception applies” for some design elements.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Does Not Support	In some cases, a timed response is required before a selecting/setting feature/parameter returns to its original status, but no pre-alert is given to the users. Some users may need more time before the time out.
(c) Where a product utilizes touch screens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).		Refer to details in subsections k-1 through k-4 below.
(1194.23k-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.	Supports	All the controls/keys on the projector and the remote control are tactilely discernible without activating them with a force less than 30g.
(1194.23k-2) Controls and keys shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.	Supports with an exception	Almost all the controls and keys meet the requirement. The adjustable foot beneath the projector has a spring tension that makes it possible to adjust the projection angle with one hand. However, to ensure safety, it is preferable to use both hands to adjust the foot while lifting the front side of the projector.
(1194.23k-3) 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.	Does Not Support	As far as the image projection is concerned, users do not need to use the key-repeat if utilizing the Auto Set button to adjust the image. However, to select or move an item on the screen, Key-repeat is used with POINTER button, PAGE button, and D.ZOOM button, and the delay before the key-repeat starts and the key-repeat rate cannot be adjusted.
(1194.23k-4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Does Not Support	Some locking/toggle controls and keys (Power Button, Adjustable Foot, & etc.) can be discerned through vision, touch and/or sound. However, the status after selecting a menu item or function using the major control buttons is not discernible through touch or sound.
(d) When biometric forms of user identification or	Not	

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.	Applicable	
(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	
(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	
(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 color of the Power Indicator changes (Red: Power off / Green: Power on) to provide the status of the projector, but users can distinguish the status through sound of the fan turning.
(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	
(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	The screen flicker frequency meets the requirement.
(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, 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	

<p>(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.</p> <p>(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 controls shall not be more than 24 inches behind the reference plane.</p>		
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Section 1194.31 Functional Performance Criteria

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.	Does not support	Just the image projection, which is the purpose of this product, can be executed without user's vision by pressing Auto Set button twice after Power button is set to ON. However, in almost all the controls/keys, the status of the operation cannot be discerned without user's vision. To view the projected image, some design elements are evaluated as "fundamental alteration exception applies" because some degree of user vision is assumed as a precondition to view the image.
(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	User vision acuity greater than 20/70 is not required.
(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	User hearing is not required for use of this product.
(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.	Not Applicable	
(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	User speech is not required to operate this product.
(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.	Does not support	Major functions of this product are operable with limited reach and strength. But users who have limited use of their upper body may experience some difficulties. (See Remarks and Explanations in Section 1194.25(b), (c) k-2, and (c) k-3 for more detailed information.)

Section 1194.41 Information, Documentation, and Support

Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation available to end-users is available in alternate formats upon request, at no additional charge.	Supports	Product support documentation will be provided upon request in electronic format, at no additional charge.
(b) End-users have access to a description of the accessibility and compatibility features of products in alternate formats and alternate methods upon request, at no additional charge.	Supports with exceptions	An evaluation of the accessibility features of products will be provided upon request in electronic format, at no additional charge.
c) Support services for products accommodate the communication needs of end-users with disabilities.	Supports	Canon U.S.A., Inc. provides support services accommodating users with disabilities through OKCANON assistance, TTY support at (866)251-3752. Canon otherwise available to U.S. federal government agencies through Federal Relay.

This document is for informational purposes only. This information is based on Canon's current understanding of 36 CFR Part 1194 Electronic and Information Technology Accessibility Standard and Section 508 of the Rehabilitation Act. It is not intended address applicability of these laws to a particular end-user, customer, application or procurement. All product design and specifications are subject to change. Some of the information may be based upon data collected or tests conducted on similar product modules.

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