

Voluntary Product Accessibility Template (VPAT)

Name of Product: Canon Multimedia Projector REALiS (SX80 Mark II)

Date: October 6, 2009

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 (SX80 Mark II)** features; however, any specific inquiries should be made to accessibility@cusa.canon.com.

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 (SX80 Mark II)** 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.	Supports with an exception	As a default, a time limit is provided to select or set some features/parameters, but the user can extend the time limit to three minutes by selecting [Extended] under the System Setting Menu. Exception: The guide window popped up when the power off button is pressed.
(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	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.
(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.	Supports	Key repeat is used with some buttons, but the key repeat can be cancelled by setting [Extended] under the [Menu display time] in [System Settings Menu]. Example: Fine adjustment with left and right of pointer button.
(1194.23k-4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Supports with exceptions	Most important buttons (Power button and Auto Set button) for projecting an image can be discerned through vision or sound. Auto Setup can be discerned through vision or sound by setting [Extended] under the [Menu display time] in [System Settings Menu]. However, the status after selecting a menu item or function using other control buttons are not discernible through touch or sound.

(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	
(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 menu item bar is changed from black to orange, but the font contrast is also changed from white to black. If a black and white setting is available, the lightness between black and orange on the menu item bar is different. The lightness of color between blue and gray on the ZOOM adjustment window is different if a black and white setting is available, the difference of the lightness conveys the information.
(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.	Not Applicable	

<p>(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.</p> <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.	Supports with exceptions	As far as the image projection is concerned, user's vision is not required because a sound is provided to the Auto Set button to distinguish the result of the setting to adjust the image. However, the status after selecting a menu item or function using other control buttons are not discernible through touch or sound. 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	Visual acuity greater than 20/70 is generally not required for the use of this product.
(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 generally not required for the 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 generally 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.	Supports with an exceptions	Almost all the functions of this product are operable with limited reach and strength. Exception: Time limit is provided with the guide window popped up when the power off button is pressed.

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 Exception	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 OK CANON 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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