

Product Accessibility Assessment

Name of Product: Canon imageRUNNER 8500

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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 iR8500 features; however, any specific inquiries should be made to the Canon Government Marketing Representative.

The rules below refer to the Electronic and Information Technology Accessibility Standards (covered by Section 508 of the Rehabilitation Acts of 1998) issued by the Architectural and Transportation Compliance Board. Comments in the "Supporting Features" column are based on the Information Technology Industry's suggested language for use when filling out the Voluntary Product Accessibility Template.

Summary Table Voluntary Product Accessibility Template		
<i>Criteria</i>	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Supports.*	
Section 1194.22 Web-based internet information and applications	Not applicable.	
Section 1194.23 Telecommunications Products	Not applicable.	
Section 1194.24 Video and Multi-media Products	Not applicable.	
Section 1194.25 Self-Contained, Closed Products	Supports with exception.	
Section 1194.26 Desktop and Portable Computers	Not applicable.	
Section 1194.31 Functional Performance Criteria	Supports when combined with compatible Assistive Technology.*	
Section 1194.41 Information, documentation and Support	Supports.*	

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

Section 1194.21 Software Applications and Operating Systems - Detail Voluntary Product Accessibility Template (Assessment for PS and PCL Print Driver)		
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.	Supports.	
(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.	
(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.	
(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.	Supports.	Sufficient information about the identities of the Edit Profile and Add Profile user interface elements is not available for certain Assistive Technology software applications. (These elements are only read as buttons – the identities of their functions are unknown.) Because Edit Profile and Add Profile are rarely used, they are not included in the scope of the evaluation.

Section 1194.21 Software Applications and Operating Systems - Detail
Voluntary Product Accessibility Template
(Assessment for PS and PCL Print Driver)

Criteria	Supporting Features	Remarks and explanations
(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.	Supports.	
(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.	Supports.	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports.	
(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.	The print driver does not utilize animation.
(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.	Not applicable.	The print driver does not utilize color-coding.
(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.	The product does not permit the user to adjust color and contrast settings.
(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.	The print driver uses no element having a flash or blink frequency greater than 2Hz and lower than 55Hz.
(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.	Not applicable.	The print driver does not utilize electronic forms.

Section 1194.25 Self-Contained, Closed Products - Detail Voluntary Product Accessibility Template		
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 exception.	The blind or visually impaired end-user must access Remote User Interface (RUI) on a PC (with Assistive Technology) in order to control functions normally controlled from the LCD panel. *For a networked unit, no additional accessories are necessary; however, the Accessibility kit must be purchased for use with a standalone copier.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports.	
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with Sections 1194.23 (k) (1) through (4).	Supports with exceptions.	Refer to details in subsections k(1) through k(4) below.
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.	Supports when combined with compatible Assistive Technology. *Keys on the LCD panel are not tactilely discernible. To the best of Canon's knowledge, tactilely discernible LCD panels are a commercial impossibility at this time due to the very nature of LCD panels.	<ul style="list-style-type: none"> - All hard keys are tactilely discernible. A Braille Set is available as an option. - The numeric keys can be tactilely discerned by a convex dot on the Number 5 key. - The Start and Stop keys are tactilely discernible by their unique shapes and sizes. - When a screen reader or screen magnifier is used with Remote User Interface, blind or visually impaired users can operate basic functions (normally found on the LCD touch screen display) from a PC.

**Section 1194.25 Self-Contained, Closed Products - Detail
Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and explanations
(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.	Supports.	
(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.	Supports through equivalent facilitation.	- The delay before repeat is not adjustable for the zoom ratio key on the LCD; however, the user can manually input the ratio on the numeric keypad.
(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.	Supports with exception.	- The status of the main power switch can be visually and tactilely discerned. - The status of the Energy Saver function can only be discerned visually on the control panel; however, when RUI is used with Assistive Technology, the status can also be discerned through sound. - While the status of certain keys such as "Guide" and "Additional Functions" are visually discernible, it is 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.	

**Section 1194.25 Self-Contained, Closed Products - Detail
Voluntary Product Accessibility Template**

<i>Criteria</i>	Supporting Features	Remarks and explanations
(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.	
(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.	Supports.	
(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.	

Section 1194.25 Self-Contained, Closed Products - Detail
Voluntary Product Accessibility Template

Criteria	Supporting Features	Remarks and explanations
(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.	Supports.	
(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.	Supports.	
(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.	
(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.	Supports.	

Section 1194.31 Functional Performance Criteria - Detail
Voluntary Product Accessibility Template

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 when combined with compatible Assistive Technology.	<ul style="list-style-type: none"> - All hard keys are tactilely discernible. A Braille Set is available as an option. - Operation status can be determined through audio tones that confirm key entry, error, and job done. - Automatic Document Feeder guarantees proper document placement. - When a screen reader or screen magnifier is used with Remote User Interface, blind or visually impaired users can operate basic functions (normally found on the LCD touch screen display) from a PC.
(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.	
(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.	

Section 1194.31 Functional Performance Criteria - Detail
Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(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.	Not applicable.	
(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.	

Section 1194.41 Information, Documentation and Support		
<i>Criteria</i>	Supporting Features	Remarks and explanations
Product support documentation available to end-users is available in alternate formats upon request, at no additional charge.	Supports.	
End-users have access to a description of the accessibility and compatibility features of product in alternate formats or alternate methods upon request, at no additional charge.	Supports.	
Support services for products accommodate the communication needs of end-users with disabilities.	Supports.	