

Voluntary Product Accessibility Template

The following table summarizes the compliance of this product with the Section 508 accessibility requirements. The table is from the Information Technology Industry Council.

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Name of Product: Ricoh PJ WUL5670

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Note 1: Scope of evaluation includes normal walk-up functionality only; it does not include maintenance/troubleshooting components.

Note 2: Device testing for this VPAT was performed on a Ricoh PJ WUL5670.

Summary Table Voluntary Product Accessibility Template

Criteria	Supporting Features	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Projector Management Utility: Supports with Exceptions	The PJ WUL5670 Projector Management Utility fully supports 7 of 11 applicable sections and supports 4 of 11 applicable sections with exceptions.
	Advanced Network Utility: Supports with Exceptions	The PJ WUL5670 Advanced Network Utility fully supports 7 of 11 applicable sections and supports 4 of 11 applicable sections with exceptions.
	JPEG Conversion Tool: Supports with Exceptions	The PJ WUL5670 JPEG Conversion Tool fully supports 9 of 11 applicable sections and supports 2 of 11 applicable sections with exceptions. See the table below for more details.
Section 1194.22 Web-based Internet Information and Applications	Not Applicable	The PJ WUL5670 has an embedded web-based configuration tool that supports maintenance and setup functions, and is therefore exempt from Section 508.
Section 1194.23 Telecommunications Products	Not Applicable	The PJ WUL5670 is not a telecommunications product.
Section 1194.24 Video and Multimedia Products	Not Applicable	The PJ WUL5670 is not a video or multimedia product.
Section 1194.25 Self-Contained,	Does Not Support	The PJ WUL5670 fully supports 4

**Summary Table
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Criteria	Supporting Features	Remarks and Explanations
Closed Products		<p>of 7 applicable sections, supports 2 of 7 applicable sections with exceptions, and does not support 1 of 7 applicable sections.</p> <p>See the table below for more details.</p>
Section 1194.26 Desktop and Portable Computers	Not Applicable	<p>The PJ WUL5670 is not a desktop or portable computer.</p>
Section 1194.31 Functional Performance Criteria	Supports with Exceptions	<p>The PJ WUL5670 fully supports 3 of 5 applicable sections and supports 2 of 5 applicable sections with exceptions.</p> <p>See the table below for more details.</p>
Section 1194.41 Information, Documentation, and Support	Fully Supports	<p>The PJ WUL5670 fully supports all 3 sections.</p> <p>See the table below for more details.</p>

**Section 1194.21 Software Applications and Operating Systems - Detail
Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and Explanations
<p>(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>Projector Management Utility: Supports with Exceptions</p>	<p>On the Remote Control tab of the Projector Management Utility, changing input or mute options cannot be done reliably with the keyboard.</p>
	<p>Advanced Network Utility: Supports with Exceptions</p>	<p>Keyboard functionality/focus is lost upon conducting a Member Search.</p>
	<p>JPEG Conversion Tool: Supports with Exceptions</p>	<p>The Conversion Method radio buttons are not operable with the keyboard, although an alternate control method through a pull down menu is available.</p>
<p>(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>Projector Management Utility: Fully Supports</p>	<p>The Projector Management Utility was tested using a screen magnifier, high and low resolution displays, high contrast display options, varying cursor blink rates and widths, and various keyboard accessibility features (including FilterKeys, StickyKeys, and MouseKeys). None of the tested accessibility features were disrupted by this utility.</p>
	<p>Advanced Network Utility: Fully Supports</p>	<p>The Advanced Network Utility was tested using a screen magnifier, high and low resolution displays, high contrast display options, varying cursor blink rates and widths, and various keyboard accessibility features (including FilterKeys, StickyKeys, and MouseKeys). None of the tested accessibility features were disrupted by this utility.</p>
	<p>JPEG Conversion Tool: Fully Supports</p>	<p>The JPEG Conversion Tool was tested using a screen magnifier, high and low resolution displays, high contrast display options, varying cursor blink rates and</p>

		widths, and various keyboard accessibility features (including FilterKeys, StickyKeys, and MouseKeys). None of the tested accessibility features were disrupted by this tool.
(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.	Projector Management Utility: Fully Supports	A visual indication of focus is provided for all controls in the utility. Focus is exposed to assistive technology.
	Advanced Network Utility: Fully Supports	A visual indication of focus is provided for all controls in the utility. Focus is exposed to assistive technology.
	JPEG Conversion Tool: Fully Supports	A visual indication of focus is provided for all controls in the utility. Focus is exposed to assistive technology.
(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.	Projector Management Utility: Supports with Exceptions	The labels associated with some controls are not read by the screen reader. For example, both the Power On and Mute On buttons are simply read as "On Button," and are not distinguishable from each other.
	Advanced Network Utility: Supports with Exceptions	No label is associated with the pointer button or search entry button. No label is associated with the File Transfer list view or the Member list view – the purpose of these may be ambiguous to screen reader users.
	JPEG Conversion Tool: Supports with Exceptions	Only the group label (File Settings) and not the specific control labels are associated with the two Browse/Create buttons in the File Settings group, so the identity and function of those controls is ambiguous to screen reader users.
(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	Projector Management Utility: Fully Supports	Bitmap images are used consistently throughout the interface.

application's performance.

Advanced Network
Utility:
Fully Supports

Bitmap images are used consistently throughout the interface.

(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.

JPEG Conversion Tool:
Fully Supports

No bitmap images are used in the interface.

Projector Management
Utility:
Supports with
Exceptions

The information in the Detail Information dialog does not appear to be accessible to the screen reader.

Advanced Network
Utility:
Supports with
Exceptions

There are instances of text that are unavailable to the screen reader, such as the text identifying the Presenter and Attendant, as well as the current path for file transfer.

(g) Applications shall not override user selected contrast and color selections and other individual display attributes.

JPEG Conversion Tool:
Fully Supports

All text information (not including unassociated control labels, discussed above) is available to assistive technology.

Projector Management
Utility:
Fully Supports

The utility does not override any user-selected preferences or display attributes. Certain Windows settings, such as font size, are not inherited into the utility interface, but this appears to be a Windows limitation rather than a problem with the utility.

Advanced Network
Utility:
Fully Supports

The utility does not override any user-selected preferences or display attributes. Certain Windows settings, such as font size, are not inherited into the utility interface, but this appears to be a Windows limitation rather than a problem with the utility.

JPEG Conversion Tool:
Fully Supports

The tool does not override any user-selected preferences or display attributes. Certain Windows settings, such as font size, are not inherited into the tool interface, but this appears to be a Windows limitation rather than a problem with the tool.

(h) When animation is displayed, the

Projector Management

No animations are displayed in

information shall be displayable in at least one non-animated presentation mode at the option of the user.	Utility: Fully Supports	the utility.
	Advanced Network Utility: Fully Supports	No animations are displayed in the utility.
	JPEG Conversion Tool: Fully Supports	No animations are displayed in the tool.
(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.	Projector Management Utility: Fully Supports	Color coding is not used as the only means of conveying information in the utility.
	Advanced Network Utility: Fully Supports	Color coding is not used as the only means of conveying information in the utility.
	JPEG Conversion Tool: Fully Supports	Color coding is not used as the only means of conveying information in the tool.
(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.	Projector Management Utility: Not Applicable	The utility does not provide color or contrast adjustments.
	Advanced Network Utility: Not Applicable	The utility does not provide color or contrast adjustments.
	JPEG Conversion Tool: Not Applicable	The tool does not provide color or contrast adjustments.
(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.	Projector Management Utility: Fully Supports	The only flashing or blinking text in the utility is the text entry cursor, which is adjustable outside of the prohibited range.
	Advanced Network Utility: Fully Supports	The only flashing or blinking text in the utility is the text entry cursor, which is adjustable outside of the prohibited range.
	JPEG Conversion Tool: Fully Supports	The only flashing or blinking text in the tool is the text entry cursor, which is adjustable outside of the prohibited range.
(l) When electronic forms are used, the form shall allow people using	Projector Management Utility:	There are some directions and cues, such as those in the Auto

Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.

Supports with Exceptions

Search tab of the Register Projector dialog, that are not read by the screen reader.

Advanced Network Utility:
Supports with Exceptions

There is some text, such as the text describing the function of each radio button in the Wireless LAN Settings Utility, that is not read by the screen reader.

JPEG Conversion Tool:
Fully Supports

All directions and cues are available through the screen reader.

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

Criteria	Supporting Features	Remarks and Explanations
<p>(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.</p>	<p>Supports with Exceptions</p>	<p>Users without vision cannot utilize the menu, which is a projected display. Many device functions are also available remotely in the various software utilities associated with the device. However, there are accessibility issues with those utilities, and there are some functions that are only available through the on-screen menus.</p> <p>Accessibility features include low force controls and remote control functionality.</p>
<p>(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</p>	<p>Does Not Support</p>	<p>The projector menu timeout is adjustable and can be disabled.</p> <p>Some controls (e.g., keystone, volume, input) time out if the user does not make an adjustment within 3 seconds.</p> <p>When timed responses are required, the user is not alerted or given sufficient time to indicate that more time is required.</p>
<p>(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).</p>	<p>Supports with Exceptions</p>	<p>The device does not utilize a touchscreen or contact-sensitive controls, but this criterion was evaluated for all device controls, as it is believed that was the intent of the criterion.</p> <p>All mechanically operable controls and keys are tactilely discernible without activation of the controls and keys. Controls on the remote are also tactilely discernible without activation. There is a nib on the "5" key of the numeric keypad.</p> <p>All controls are operable with one hand without tight grasping, pinching, or twisting of the wrist.</p> <p>Key repeat is supported for directional navigation of the menu. It cannot be adjusted or disabled,</p>

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Criteria	Supporting Features	Remarks and Explanations
		<p>and repeats at a rate of 5 Hz.</p> <p>The status of all locking or toggle controls is visually discernible. The On/Standby key is somewhat discernible via sound. The Mute and Volume keys provide auditory feedback only when an external audio source is playing through the projector. The status of the input key is only visually discernible, and not discernible by touch or sound.</p>
<p>(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.</p>	<p>Not Applicable</p>	<p>This device does not require biometric forms of identification.</p>
<p>(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.</p>	<p>Fully Supports</p>	<p>Primary auditory output is in the form of beeps, which are not essential to the operation of the device, and for which there is no need to interrupt, pause, or restart.</p> <p>The device also produces audio output when playing external media (e.g., video or presentation). For output of this type, a standard audio output signal is provided and is sufficient to drive headphones or other private listening devices. A standard 3.5 mm input jack is provided that will allow for private listening.</p> <p>In this use context, the ability to interrupt, pause, and restart the audio is controlled from the audio source.</p>
<p>(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</p>	<p>Not Applicable</p>	<p>This device does not deliver voice output.</p>

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Criteria	Supporting Features	Remarks and Explanations
<p>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.</p>		
(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.	Fully Supports	This device does not rely on the use of color coding as the sole means of conveying 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.	Fully Supports	The on-screen user interface can be set to color or monochrome. In addition, users can select from 33 levels of contrast.
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Fully Supports	<p>The device doesn't have a screen, but does project an image. The device produces no screen flicker in typical use.</p> <p>In addition, the device has a phase adjustment to eliminate image flicker, and a frequency adjustment to eliminate moiré patterns and flicker when images with thin vertical-stripes are projected.</p>
(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	This is not a freestanding device and will typically be mounted to the ceiling.
(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	Not Applicable	This is not a freestanding device and will typically be mounted to the ceiling.

**Section 1194.25 Self-Contained, Closed Products - Detail
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Criteria	Supporting Features	Remarks and Explanations
<p>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>Not Applicable</p>	<p>This is not a freestanding device and will typically be mounted to the ceiling.</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>	<p>Not Applicable</p>	<p>This is not a freestanding device and will typically be mounted to the ceiling.</p>

**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 with Exceptions	<p>Basic operation of the device (power on/off, volume control, etc.) is largely possible without vision.</p> <p>The only non-visual feedback provided by the input selection key is an audible beep. The beep is the same whether the user switches to a working input or receives an error message that no valid input is connected.</p> <p>Many of the controls must be set using the remote or device control pad in combination with projected menus, requiring user vision, but these are almost all maintenance controls.</p>
(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 with Exceptions	<p>The labels on the control panel and remote control are large enough to be visible with 20/70 acuity without magnification at a 10" viewing distance.</p> <p>Many aspects of the software utilities are accessible through use of screen reading software, but users may have difficulty performing some functions. As with other Windows software applications, the screen resolution can be adjusted to accommodate low vision users.</p>
(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	Fully Supports	User hearing is not required to operate this device. Information required to operate the device does not require user hearing alone.
(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	Audio information is not necessary for use of the device.

Section 1194.31 Functional Performance Criteria - Detail
Voluntary Product Accessibility Template

Criteria	Supporting Features	Remarks and Explanations
(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.	Fully Supports	User speech is not required for use of the device.
(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.	Fully Supports	<p>This device does not require fine motor control or simultaneous actions to operate.</p> <p>The control panel buttons and remote control are the primary user interfaces. The remote control provides all of the capabilities of the control panel, and does not require the user to reach for the device. The forces required to operate all components are less than 5 pounds.</p>

**Section 1194.41 Information, Documentation, and Support - Detail
Voluntary Product Accessibility Template**

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.	Fully Supports	An electronic version of the documentation is available.
(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.	Fully Supports	A list of accessibility and compatibility features of the product is available upon request.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Fully Supports	A toll free TTY access number is provided (1-888-295-2824). Customer service professionals are accessible via email.