

## Voluntary Product Accessibility Template (VPAT)

**Name of Product:** Canon imageCLASS MF229dw/MF227dw/MF216n/MF217w

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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 **Canon imageCLASS MF229dw/MF227dw/MF216n/MF217w**, 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 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 imageCLASS MF229dw/MF227dw/MF216n/MF217w**, 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	Supports.	Printer drivers and Remote UI were evaluated. The AT used for product testing was JAWS. The printer drivers and the Remote UI support the basic criteria of this section.
Section 1194.22 Web-based Internet Information and Applications	Supports.	The Remote UI was evaluated. the Remote UI support the basic criteria of this section.
Section 1194.23 Telecommunications Products	Not applicable.	This not a telecommunications product.
Section 1194.24 Video and Multi-media Products	Not applicable.	This is not a video or multi-media product.
Section 1194.25 Self-Contained, Closed Products	Supports with exceptions.*	
Section 1194.26 Desktop and Portable Computer	Not applicable.	This is not a desktop or portable computer.
Section 1194.31 Functional Performance Criteria	Supports.*	
Section 1194.41 Information, Documentation, and Support	Supports with exceptions.*	Details about how Canon USA supports these criteria and any exceptions are described in 1194.41.

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

**Section 1194.21 Software Applications and Operating Systems**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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.	Both the Print Driver and the Remote UI allow the user to move through the software using the “Tab” and “Shift + Tab” keys. Operations may be executed using the “Enter” key. And there is another way for the printer driver as follows; When used with the “Alt” key, the “Access Key” allows the user to jump directly to the desired location to adjust settings. Almost all settings can be accessed this way.
(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.	Neither the printer driver nor the Remote UI is designed to disrupt or disable accessibility features of other products or operating systems. As an example, the printer driver and the Remote UI does not override user accessibility settings offered by Windows 7.
(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.	Both the driver and the Remote UI provide an indication of the current focus that can be tracked by 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.	Supports.	Assistive Technology (JAWS) can read user interface elements including their identity, operation and state Also, images are defined with text in both the printer drivers and the printer driver.
(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.	The bitmap images are consistent throughout both the printer drivers and the Remote UI performance.
(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.	[Printer driver] Textual information in the printer driver is provided through operating system functions for displaying text and Assistive Technology (JAWS) can read the information. [Remote UI] The text content, text input caret location and text attributes were confirmed using a PC and the JAWS focus.
(g) Applications shall not override user selected contrast and color selections and other individual	Supports.	When the printer driver or Remote UI is activated or used, neither the printer driver

display attributes.		nor Remote UI disrupt or disable user selected contrast and color selections and other individual display attributes.
(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.	Neither the printer drivers nor the Remote UI use 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.	Supports.	Neither the printer driver nor the Remote UI use color-coding as the only means of conveying information. They have text information with 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.	Neither the printer drivers nor the Remote UI permit users 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.	Not applicable.	Neither the printer drivers nor the Remote UI have an element with flash or blink.
(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.	Supports.	[Printer driver] Assistive Technology (JAWS) can read the information, field elements, and functionality required for completion and submission of the driver and the Remote UI setting information, including all directions and cues.

**Section 1194.22 Web-based Internet Information and Applications (Assessment for Remote UI)**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports.	Images that convey important information have text that explains the purpose or meaning of the image.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable.	The Remote UI does not use any multimedia presentations.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports.	Information and instructions in the Remote UI are not communicated only through color. They have context or markup..
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports.	The Remote UI does not require an associated style sheet.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable.	There are no image maps.
(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.	There are no image maps.
(g) Row and column headers shall be identified for data tables.	Supports.	Row and column headers in the Remote UI are identified for data tables.
(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.	Supports with exception.	There is a data table having two logical levels of row headers which does not meet the criteria.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Not applicable.	The Remote UI does not have frames.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports.	The blinking or flashing objects in the remote UI such as LEDs for service-call are evaluated. And these meet the criteria.
(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.	It is not necessary to create a text only page for the Remote UI. It follows the standard recommendations in 1194.22.
(l) 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.	Script languages are not used as described.
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.	Applets or plug-in applications are not necessary within the Remote UI.
(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	Supports.	Assistive Technology (JAWS) can read the information, field elements, and functionality required for completion and submission of the Remote UI setting information, including all directions and cues.

and cues.		
(o) A method shall be provided that permits users to skip repetitive navigation links.	Support through equivalent facilitation.	The repetitive navigation links are read at the last of each page.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable.	Timed responses are not required by the Remote UI.

**Section 1194.25 Self-Contained, Closed Products**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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.	Canon determines the response to this criterion based on the results of (b) through (j) below. Please refer to these criteria for explanations as to how this product does and does not support this criterion.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports through equivalent facilitation.	In the Auto clear function, used to clear settings, the time can be set. The possible times settings are from 1 minute to 9 minutes, although no alert warning will sound. If the time is set to 0, there is no time limit.
(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).	Supports with exceptions.	Refer to details in subsections k(1) through k(4) below for a description of how this product supports this criterion..
(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.	<p>-All hard keys are tactilely discernable.</p> <p>-The numeric keys can be tactilely discerned by a convex dot on the Number 5 key.</p> <p>-The Start and Stop keys are tactilely discernable by their unique shapes and sizes.</p>
(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.	
(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.	Not applicable.	
(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.	All keys are visually discernible, but only some keys are discernible through touch.
(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	Not applicable.	

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.	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.	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.	Not applicable.	
(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. (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. (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. (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.	Evaluated using a stand 74cm tall.

**Section 1194.31 Functional Performance Criteria**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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 a screen reader or screen magnifier is used with the Remote UI, blind or visually impaired users can operate basic functions from a PC.  -User can submit print jobs with printer driver settings information to the device by using Assistive technology (JAWS) to read information of elements in the printer driver.
(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.	
(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.	
(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.	The standard Remote UI provides alternative access to users with mobility and dexterity impairments.



**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 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 to address applicability of these laws to a particular end-user, customer, application or procurement.

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