

Voluntary Product Accessibility Template (VPAT)

Name of Product: Canon Digital Camera (PowerShot SD430 Wireless)

Date: May 24, 2006

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 Digital Camera (PowerShot SD430 Wireless)** features; however, any specific inquiries should be made to Aubrey Woolley, Canon USA, 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 Digital Camera (PowerShot SD430 Wireless)** 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 with exceptions* | |
| 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 1194.21 Software Applications and Operating Systems

| 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. | Does not Support | Both keyboard operation and the ability to navigate a mouse are necessary to move between/within areas of the main window, or when selecting a menu item in each area. There are some functions, however, that are executable from a keyboard like the "Tip of the Day". |
| (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 | Applications do not disrupt or disable activated features of any operating system that are identified as accessibility features. |
| (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. | Does not Support | |
| (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. | Does not Support | |
| (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 with exceptions | A screen reader can read text provided by the OS. |
| (g) Applications shall not override user | Supports | Applications do not disrupt or disable user |

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| <p>selected contrast and color selections and other individual display attributes.</p> | | <p>selected display attributes.</p> |
| <p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p> | <p>Supports with exceptions</p> | <p><u>Zooming In and Out</u>: The non-animated presentation mode can be selected with Scroll Mode or Preview Mode options. <u>Downloading</u>: The animation displayed while downloading does not affect the application when using a screen reader. <u>Slide Show</u>: The animation in a slide show cannot be cancelled because of the OS specification.</p> |
| <p>(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.</p> | <p>Supports</p> | <p>Means other than color coding (such as text, highlighting, etc.) are also used to convey information.</p> |
| <p>(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.</p> | <p>Not Applicable</p> | |
| <p>(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.</p> | <p>Not Applicable</p> | |
| <p>(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.</p> | <p>Does not Support</p> | |

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 vision and mobility impairments. (See Remarks and Explanations, Section 1194.31) Because some degree of user vision is assumed as a precondition in the design of digital cameras, 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. | Not Applicable | |
| (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. |
| (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 with exceptions | Some basic functions (like the Power On/Off button, Shutter button, Memory Card Slot/Battery Cover, etc.) have unique shapes and are discernible through touch. The arrow buttons (Up, down, right, and left), Continuous button, Flash button, ISO Speed button, Jump button, Macro/Infinity button, Self-timer button, and Single Image Erase button are allocated together into a ring-shaped button. No significant boundary is there to discern each individual function tactilely. |
| (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 | Note: There are some limitations for accessories, specifically the Battery Charger and Battery Pack. However, because of the nature of their compact size, they are deemed “Not Applicable - Fundamental Alteration Exception Applies”. |
| (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 | The key repeat is activated when selecting an image in the playback mode, as a menu item, etc. However, the interval to move between images/items cannot be changed. |
| (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 | The performance result of using some functions such as the Power On/Off button and Shutter button is discernible through both touch and sound. Exceptions: |

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| | | The status after selecting a menu item or function is not discernible through touch or sound in some cases. The status of the Setup button of Wireless Print Adapter 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 | User identification or control by biometric forms is not required. |
| (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. | Supports | When replaying a movie, the sound memo attached to a still image and sound output meets the requirements. The industry standard connector is provided for the camera; it is possible to interrupt, pause, and restart the audio. |
| (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 | This product is not used for delivering voice output in a public area. |
| (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 with exceptions | The upper indicator, Time Zone set-up menu, and Wireless Lamp of the Wireless Print Adapter have alternate information using a text or an icon. Exception: When using the Battery Charger, the only indication that charging is complete is through color. The indicator then changes from orange to green. |
| (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 | In the clock display on the LCD, the color of the background can be adjusted, and several color selections capable of producing a variety of contrast levels are provided. |
| (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 | When attaching a memo to a still image, the remaining time for sound recording is shown on the LCD monitor by a blinking mark every second, which is less than 2Hz. |
| (j) (1) Products which are freestanding, non-portable, and intended to be used in one | Not Applicable | This product is portable. |

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| <p>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.</p> | | |
| <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>Not Applicable</p> | <p>This product is portable.</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 product is portable.</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 product is portable.</p> |

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. | Not Applicable - Fundamental Alteration Exception Applies | The purpose of this product (which is to take visual images) requires some degree of user vision. Therefore, the "Fundamental Alteration Exception" applies for this criterion. |
| (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 | Almost all functions meet this requirement. However, when looking at the subject through the viewfinder, the cross line to show the center of the image is pale and therefore cannot be seen clearly. For the Battery Charger, the indicator's color change from orange to green is the only means of discerning whether the battery charge is complete. |
| (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 | Both the camera and the application software meet this requirement. |
| (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. | Supports | The volume of a sound memo attached to still image is adjustable. The audio information recorded in a movie is adjustable as well. |
| (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 | Both the camera and the application software meet the requirement. |
| (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 | The following basic operations meet this requirement: Power on/off, installation of the battery/memory card, pressing the shutter button, function button, menu button, mode switch, zoom lever, etc. . Operations requiring fine motor control or simultaneous actions: - When selecting a menu item, using the up, down, right, or left button activates the key-repeat function. - Some operations (such as the display language, mute, AF Lock, AE Lock, and FE Lock) also require careful handling and/or the ability to press two buttons |

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| | | simultaneously. - The application software requires the ability to operate a keyboard and a mouse. |
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Section 1194.41 Information, Documentation, and Support

| Criteria | Supporting Features | Remarks and explanations |
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| (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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