

WorkCentre 7830/7835/7845/7855 with Xerox Copier Assistant

Voluntary Product Accessibility Template (VPAT)

Compliant with minor exceptions

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Summary Table – Voluntary Product Accessibility Template (VPAT)

Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Some limitations exist	Compliant for print jobs when using the XPS, PS, PCL5e, and PCL6 enhanced and standard drivers. Compliant for Copy when using Xerox Copier Assistant. Faxing and scanning require the touch screen.
Section 1194.22 Web-based internet information and applications	Supports	The WorkCentre 7835/7835/7845/7855 Copier/Printer/Scanner is compliant with Rule 1194.22 for Copy using Xerox Copier Assistant and Print with Web Print Submission.
Section 1194.23 Telecommunications Products	Some limitations exist	Compliant with a minor exception concerning FAX as a touchscreen is used.
Section 1194.24 Video and Multi-media Products	Not applicable	The WorkCentre 7835/7835/7845/7855 Copier/Printer/Scanner is not a video or multi-media product.
Section 1194.25 Self-Contained, Closed Products	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a customer-supplied PC copier user interface that can be positioned to any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.
Section 1194.26 Desktop and Portable Computers	Not applicable	No computer is sold as part of the product.
Section 1194.31 Functional Performance Criteria	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a customer-supplied PC copier user interface that can be positioned to any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.
Section 1194.41 Information, Documentation, and Support (Added by Xerox) This rule covers accessibility of	Supports	The centralization of documentation, training, and support services for most Xerox products allows us to achieve compliance across the corporation.

Criteria	Supporting Features	Remarks and explanations
documentation, training and support for IT products. Xerox includes rule 41 in all its assessments.		

Section 1194.21 Software Applications and Operating Systems – Detail

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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	Compliant when using the XPS, PS, PCL5e, and PCL6 enhanced and standard print drivers. In these cases, all commands that can be described textually can be executed from the keyboard.
(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	The driver software does not override or disable accessibility features of the host operating system or other software possessing features that have been developed and documented according to industry standards.
(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	Compliant when using the XPS PS, PCL5e, and PCL6 enhanced and standard print drivers. In these cases, a well defined, on-screen indication of the current focus is provided, and the focus is programmatically exposed so that Assistive Technology can track focus and focus changes.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive	Supports	Compliant when using the XPS PS, PCL5e, and PCL6 enhanced and standard print drivers. In these cases, the driver software makes the appropriate user interface elements available to Assistive Technology.

Criteria	Supporting Features	Remarks and explanations
Technology. When an image represents a program element, the information conveyed by the image must also be available in text.		
(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	Bitmap image meanings remain consistent throughout the application.
(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	All textual information is provided through operating system functions.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	The driver software does not override 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.	Supports	Animation is used for control elements or relevant text, and a non-animated option is available.
(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	The driver software does not use color as the only means of conveying information.
(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.	Supports	The driver software permits a user to adjust color and contrast settings, and a variety of color selections are provided to produce a range of contrast levels.
(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 flash rate of any flashing elements does not fall between 2 Hz and 55 Hz.
(l) When electronic forms are used, the form shall	Supports	Electronic forms allow people using Assistive Technology to

Criteria	Supporting Features	Remarks and explanations
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.		accurately complete and submit the forms.

Section 1194.22 Web-based Internet Information and Applications – Detail

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Criteria	Supporting Features	Remarks and explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports	Non-text elements, including audio, that are required for comprehension of content or to facilitate navigation are present, and text equivalents are assigned.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	No multimedia presentations are included with the application.
(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	All information conveyed with color is also conveyed by alternative means.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not applicable	Web pages do not use style sheets.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	No image maps with active regions are used.
(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	No image maps with active regions are used.
(g) Row and column headers shall be identified for data tables.	Supports	Row and column headers of data tables use appropriate tags according to the language used.
(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	Data cells and header cells are associated using appropriate tags according to the language used.
(i) Frames shall be titled with text that facilitates frame identification and	Supports	Frames possess labels that facilitate frame identification and navigation.

Criteria	Supporting Features	Remarks and explanations
navigation		
(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 flash rate of any flashing elements does not fall between 2 Hz and 55 Hz.
(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	No text-only pages are provided.
(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.	Supports	Information provided by a scripting language is identified with functional text that can be read by Assistive Technology.
(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	Plug-ins, applets, or other applications are not required to interpret page content.
(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 and cues.	Supports	Electronic forms allow people using Assistive Technology to accurately complete and submit the forms.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	A method is provided that permits users with Assistive Technology to skip repetitive navigation links.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	No time-out sensitive selections exist.

Note on Rule 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 2.0 (WCAG 2.0) (December 11, 2008) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1.1, (b) - 1.2.1/1.2.3, (c) – 1.4.1/1.4.3, (d) – 1.3.1/2.1.1/1.4.4, (e) – 2.1.1, (f) – 1.1.1, (g) – 1.3.1, (h) – 1.3.1, (i) – 2.4.1, (j) – 2.3.1, (k) - 4.1.2.

Section 1194.23 Telecommunications Products – Detail

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Criteria	Supporting Features	Remarks and explanations
(a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.	Not applicable	The device does not support bi-directional voice communication over a telephone line.
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Not applicable	The device does not support bi-directional voice communication over a telephone line.
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not applicable	The device does not support voice mail, auto-attendant, and interactive voice response telecommunications.
(d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.	Not applicable	No time-out sensitive selections exist.
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Not applicable	Caller ID and/or similar telecommunications are not present.
(f) For transmitted voice signals, telecommunications products shall provide a gain	Not applicable	The device does not support bi-directional voice communication over a telephone line.

Criteria	Supporting Features	Remarks and explanations
adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.		
(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.	Not applicable	The product does not allow a user to adjust the "receive" volume.
(h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.	Not applicable	The product does not deliver output by an audio transducer that is normally held up to the ear.
(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.	Not applicable	The product does not produce electromagnetic fields.
(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.	Supports	The device does not remove transmitted information.
(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	Some limitations exist	Buttons are not discernible by shape, size, location, texture, or other physical attributes for the FAX function as a touchscreen is used at the device.

Criteria	Supporting Features	Remarks and explanations
keys.		
(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, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.	Supports	Controls do not require simultaneous use of two hands, and the force to activate hand-operated controls is less than 5 lbs.
(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.	Not applicable	Key repeat is not supported.
(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.	Not applicable	No locking or toggle controls or keys are present.

Section 1194.25 Self-Contained, Closed Products – Detail

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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.	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a customer-supplied PC copier user interface that can be positioned to any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports	A time-out alert feature is present and controllable.
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a customer-supplied PC copier user interface that can be positioned to

Criteria	Supporting Features	Remarks and explanations
§1194.23 (k) (1) through (4).		any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.
(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	Biometric forms are not used.
(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	There is no auditory output.
(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.	Supports	The Xerox Copier Assistant has voice output, and the volume can be adjusted to at least 65 dB and defaults to the original volume after 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.	Not applicable	The product does not use color coding.
(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	There are no color contrast settings.
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz	Supports	The flash rate of any flashing elements does not fall between 2 Hz and 55 Hz.

Criteria	Supporting Features	Remarks and explanations
and lower than 55 Hz.		
(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	<p>All position measurements were performed against the specified vertical plane.</p> <p>Wheelchair users can program jobs and make copies using the Xerox Copier Assistant and the customer-supplied PC and keyboard that can be positioned to any height.</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.	Supports	<p>All operable controls are within specification.</p> <p>Wheelchair users can program jobs and make copies using the Xerox Copier Assistant and the customer-supplied PC and keyboard that can be positioned to any height.</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.	Supports	<p>All operable controls are within specification.</p> <p>Wheelchair users can program jobs and make copies using the Xerox Copier Assistant and the customer-supplied PC and keyboard that can be positioned to any height.</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.	Supports	<p>All operable controls are within specification.</p> <p>Wheelchair users can program jobs and make copies using the Xerox Copier Assistant and the customer-supplied PC and keyboard that can be positioned to any height.</p>

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.	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a customer-supplied PC copier user interface that can be positioned to any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.
(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	All areas requiring visual user interaction with visual acuity better than 20/70 support screen enlargement and voice output or Assistive Technology.
(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	All areas requiring user interaction provide at least one mode of operation and information retrieval that does not require user hearing.
(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	No audio information is required for use of the product.
(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	No operations require speech.
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and	Some limitations exist	Compliant for copy jobs when using the Xerox Copier Assistant, which provides an alternative to the product touch screen using voice guidance, an enlarged user interface, and a standard PC keyboard. Basic and advanced copy jobs can be programmed via a

Criteria	Supporting Features	Remarks and explanations
that is operable with limited reach and strength shall be provided.		customer-supplied PC copier user interface that can be positioned to any height (for greater accessibility by wheelchair users). Faxing and scanning require the touch screen.

**Section 1194.41 Information, Documentation and Support - Detail
(Xerox Addition to VPAT)**

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Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats.	Supports	Product support documentation is available in alternate format.
(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.	Supports	Accessibility and compatibility information is available on www.xerox.com/section508/ .
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Xerox provides support services that accommodate the communication needs of end-users with disabilities.

What is the Voluntary Product Accessibility Template (VPAT)?

The purpose of the Voluntary Product Accessibility Template is to assist Federal contracting officials in making preliminary assessments regarding the availability of commercial Electronic and Information Technology products and services with features that support accessibility. It is assumed that offerers will provide additional contact information to facilitate more detailed inquiries.

The first table of the Template provides a summary view of the section 508 Standards. The subsequent tables provide more detailed views of each subsection. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the Standards. The second column describes the supporting features of the product or refers you to the corresponding detailed table, "e.g., equivalent facilitation." The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

User Tasks Assessed

For the WorkCentre 7835/7835/7845/7855 Copier/Printer/Scanner, general user tasks were assumed to be programming and running jobs, and unloading jobs. According to the Federal Access Board, tasks such as clearing jams, loading supplies, and adding paper are considered maintenance tasks and are not included in this summary.

Xerox Product Accessories for People with Disabilities

In addition to the award-winning Xerox Copier Assistant, Xerox provides additional accessories for people with disabilities; for example:

- Braille enablement – Pressure sensitive labels allow Braille to be added to almost any copier control console.
- Angled console – This kit, which is currently available for a number of models, inclines the copier console, allowing wheelchair users to view and reach the controls.
- Footswitch – An electrically operated switch which is available on many models, can be used to actuate the "Start Print" button.

For additional information on these and other accessories, contact your Xerox sales representative or call 1-800-ASK-XEROX (1-800-275-9376).