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VPAT™

Voluntary Product Accessibility Template®

Version 1.0

MX-7580N, MX-6580N
Compliant with minor exceptions

Date: May 1, 2017
Name of Products: MX-7580N, MX-6580N

Contact for more Information: VPAT Support Team (VPAT_Support_Team@sharpusa.com)

The purpose of the **Voluntary Product Accessibility Template**, or **VPAT**™, is to assist Federal contracting officials and other buyers in making preliminary assessments regarding the availability of commercial "Electronic and Information Technology" products and services with features that support accessibility. It is assumed and recommended that offerors 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.

Summary Table **VPAT™** **Voluntary Product Accessibility Template®**		
Criteria	**Supporting Features**	**Remarks and explanations**
Section 1194.21	Supports with Limitations	Software Applications and Operating Systems
Section 1194.22	Supports with Limitations	Web-based Internet Information and Applications
Section 1194.25	Supports with Limitations	Self-Contained, Closed Products
Section 1194.26	Not applicable	Desktop and Portable Computers
Section 1194.31	Supports with Limitations	Functional Performance Criteria
Section 1194.41	Supports with Limitations	Information, Documentation and Support

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 with Limitations	Regarding Sharp imaging (one of the functions of Sharpdesk® document management software), some mouse commands do not have a corresponding keyboard command. (for example, range specification of image data). Regarding the printer driver, all buttons and links can be focused by using keyboard. Regarding Printer Status Monitor, all buttons and links can be focused by using 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	Sharpdesk software runs on Microsoft® OS and utilities. Printer Driver is not designed to disrupt or disable other functions by design. Printer Status Monitor is not designed to disrupt or disable other functions by design. The operation panel of unit is not designed to disrupt or disable other functions by design.
(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 with Limitations	Regarding Sharpdesk software, if the focus changes, the target will change in some ways. For example, the frame color will change if a thumbnail is focused. The text will be bold if focused. Regarding the printer driver, if the focus changes, the target will change in some ways. For example, the frame line will change if an icon button is focused. Regarding Printer Status Monitor, if the focus changes, the target will not change.
Criteria	**Supporting Features**	**Remarks and explanations**
(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 with Limitations	When Sharpdesk software displays image data, text describing the image is also displayed (for example thumbnails are labeled with the name of each file in Desktop). Regarding the printer driver, the information conveyed by images can be available in text. However, the information conveyed by the image of the MFP cannot be available in text. Regarding Printer Status Monitor, the information conveyed by the image can be available in text. Some icons are explained by the Help Menu.
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images	Supports	If an icon, an indicator and an element have the same image each of them has the same meaning in Sharpdesk software. If an icon, an indicator and an element have the same

shall be consistent throughout an application's performance.		image each of them has the same meaning in the printer driver. If an icon, an indicator and an element have the same image each of them has the same meaning in Printer Status Monitor. If an icon, an indicator and an element have the same image each of them has the same meaning in Operation Panel of Unit.
(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	Sharpdesk software displays text contents using functions of the OS. The printer driver displays text contents using functions of the OS. Printer Status Monitor displays text contents using functions of the OS.
Criteria	**Supporting Features**	**Remarks and explanations**
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	Sharpdesk software doesn't override the selections and attributes. Printer Driver doesn't override the selections and attributes. Printer Status Monitor doesn't override the selections and attributes. Operation Panel of Unit doesn't override the selections and 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	Sharpdesk software doesn't have animations. The printer driver doesn't have animations. Printer Status Monitor doesn't have animations. The operation panel of the unit does have animations but text is displayed too.
(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	Color coding is not the only means in Sharpdesk software to convey information. The printer driver doesn't use color coding as the only means to convey information. Printer Status Monitor doesn't use color coding as the only means to convey 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	Sharpdesk software doesn't have the ability to adjust color and contrast settings. The printer driver doesn't have the ability to adjust color and contrast settings. Printer Status Monitor doesn't have the ability to adjust color and contrast settings. In the operation panel of the unit, users can select from a variety of color schemes.
(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	Sharpdesk software doesn't flash or blink text contents. The printer driver is not designed to flash or blink. Printer Status Monitor is not designed to flash or blink. The operation panel of the unit is not designed to 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	Sharpdesk software doesn't use electronic forms. The printer driver doesn't use electronic forms. Printer Status Monitor doesn't use electronic 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	For every non-text element, text for screen readers is provided.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Supports	No multimedia presentations (video/speech and sound) are used.
(c) Webpages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports	The webpages are designed so that all information conveyed with color is also available without color.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	The documents are organized so that their contents are readable without requiring an associated style sheet.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Supports	No image maps 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.	Supports	No image maps are used.
(g) Row and column headers shall be identified for data tables.	Supports	Column headers have different tags from cells so that column headers can be distinguished. No row headers are 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.		Header cells that have two or more logical levels aren't associated.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports	No frames are used.
(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	No videos are used.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a website 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.	Supports	Webpages comply with the provisions of this part.
(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	The webpages utilizing scripting languages which also provide functional text that can be read by Assistive Technology.
(m) When a webpage 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).	Supports	No applets, plug-ins and other applications are needed to interpret the webpage contents.

(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	Using Assistive Technology, all field elements and functionality required for completion and submission of the electronic forms are accessible.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	The user interfaces are designed to allow users to easily skip the 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.	Supports	No user interfaces that require a timed response from users are provided.

Note to 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 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

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<table>
<tr><td colspan="3">Section 1194.25 Self-Contained, Closed Products – Detail

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<tr><td>Criteria</td><td>Supporting Features</td><td>Remarks and explanations</td></tr>
<tr>
<td>(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.</td>
<td>Supports with Limitations</td>
<td>Current Technology provides no equivalent to touch-screen display panels. However, note the following:

[For Whole System]

(1) Provided end-users with remote operation function to execute their regular jobs from their computers.

(2) Frequency of over 2.5KHz isn't used when there is a beeping sound.

[For Operation Panel]

(3) Provides measures to emit a beeping sound from the base point for the operations requiring end-users to switch plural options (including set values and setting modes) in a routine rotation.</td>
</tr>
<tr>
<td>(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</td>
<td>Supports with Limitations</td>
<td>[For System Operation Function]

Although there is no notice to end-users of a timeout, there is a setting to adjust the timeout length so end-users have enough time to complete their task prior to the timeout. Alternately, the timeout function can be stopped if necessary. The amount of time a message is displayed can be adjusted so the user has sufficient time to read the message.</td>
</tr>
<tr>
<td>(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).

  k) Products which have mechanically operated controls or keys, shall comply with the following:</td>
<td>Supports with Limitations</td>
<td>The alternate method is to use a PC keyboard to make changes through the webpage. The webpage can be read out loud by reading software on a PC. Also the unit has a remote operation function which can be used to execute regular jobs from a computer.</td>
</tr>
<tr>
<td> k-(1) Controls and keys shall be tactilely discernible without activating the controls or keys.</td>
<td>Supports</td>
<td>[For Operation Panel]

(1) Major keys are recognized not only with vision but also with touch.

(2) Frequently used keys are aligned to be recognized easily, have different shapes and colors, so as to be distinguished easier.

 [For Input through key]

(3) The upper sides of the buttons are concave.</td>
</tr>
</table>

k-(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	*[For Whole System] (1) The force required to activate controls and keys is 22.2N or lower. (2) Controls and keys can be operated with one hand and do not require tight grasping or twisting of the wrist.
k-(3) If key repeat is supported, the controls, an input method shall be delay before repeat shall be adjustable.	Supports	*[For Input through key, touch panel] (1) The key repeat function delay timing can be adjusted or this function is may be deactivated. (2) Key repeat function can adjust the repeat start time (t1) up to 2 seconds or disable it.
k-(4) The status of all locking or toggle controls or keys shall be visually discernible, and discernable through touch or sound.	Supports with Limitations	Power Key is discernible through touch or LED.

Criteria	Supporting Features	Remarks and explanations
(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	No biometric form of user identification is 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 any time.	Not Applicable	No auditory output will be provided.
(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	No voice output will be delivered 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.	Not Applicable	Color coding is not used without description.
(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	Color contrast levels can be adjusted.

Criteria	Supporting Features	Remarks and explanations
(j)Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: (1) 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 (see Figure 1 of this part).	Supports	Applicable.
(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	Applicable.
(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.		
(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.		

Section 1194.31 *Functional Performance Criteria – Detail* **VPAT™** **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 Limitations	*[For Operation Panel] (1) When input is determined or invalid, operation status is confirmed by a beeping sound. For operation of copy settings such as ratio or copy density, a special beeping sound at the center point such as 100% is provided to make it easier for people who are blind or visually impaired to find this value. *[For Input through Key and Touch Panel] (2) The time it takes for the unit to recognize touch can be adjusted up to two seconds.

		*[For Draft setting on Platen] (3) Setting documents on the tray can be done even without relying on vision because setting portion has a stopper. *[For Paper Setting] (4) The tray operation can be recognized by touch, and this enables end-users to open and close tray and set paper with one hand. (5) When it closes, the user can grasp it with the sense of touch or the sense of hearing. (6) People who are blind or visually impaired can adjust machine settings with a PC through the webpage. The webpage can be read out loud by software on the PC. *[For Automatic Document Feeder] (7) Setting documents in the document feeder can be done without relying on vision because the document feeder has stopper guides. Vision is not required for a user to set documents in the document feeder. *[For Appearance] (8) Operation area for door, etc., can be recognized by touch. *[For System Operation] (9) When a user presses an unauthorized key, a beeping sound should go off to prevent unintentional operation. *[For Main Power Switch] (10) Power On/Off status can be recognized by touch. (11) Power switch can be recognized by touch. (12) The power switch is located away from other key so as not to be pressed mistakenly. *[For Fax] (Option)

		(13) Provide users alternative measures other than vision to know such as sound when the fax receives messages.
		*[For Touch Panel]
		(14) Adjusting the time for key recognition is possible.
		(15) It is not necessary to use the touch panel for adjusting the machine. This can be accomplished through the webpage or with remote front panel.
		*[For System Operation Function]
		(16) Recovering from Auto Power shutoff mode can be done smoothly without relying on vision.

Criteria	**Supporting Features**	**Remarks and explanations**
(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	*[For Operation Panel] (1) Font size may be expanded by utilizing the Enlarge Display Mode, and Icon button size on the Home Screen can be expanded by customizing the Home Screen. (2) Color type of the screen can be chosen; there is a universal-design type. (3) The color of the Output tray is dark gray for increased contrast between paper and tray. This makes it easier to find papers on the tray. (4) The Color of Original guides on the Document feeder tray are dark gray. This increases the contrast between the original and the guides making adjusting the guides easier. (5) A Hard Keyboard (Standard on select models) is also available in addition to the soft keyboard within the touch panel. This assists in more accurate input of text (inputting e-mail addresses, for example). (6) Same as (1)-(16) in the above 31(a).
(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	Not Applicable	No operations require 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 will be provided.
(e) At least one mode of operation and information retrieval that does not require user speech shall	Not Applicable	No functions requiring user speech.

be provided, or support for Assistive Technology used by people with disabilities shall be provided.		
(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	*[For Automatic Document Feeder] (1) Allows end-users to close it with one hand easily from the maximum open/close angle. (2) Door etc. can be opened/closed with one hand. (3) When end-user presses unauthorized key, a beeping sound should go off to prevent unintentional operation. (4) Adjusting the time for key reception is possible. *[For Whole System] (5) All operations can be done with one hand and do not require tight grasping, or twisting of the wrist. (6) The paper tray can be easily opened/closed with a universal handle. [For Operation Panel] Operation panel can be tilted freely. [For Program Mode] (8) When performing routine work, a user can set a Program which includes all the functions necessary to perform that job.

Section 1194.41 *Information, Documentation and Support – Detail* **VPAT™** **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	Supports	Paper, PDF and HTML
(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 with Limitations	HTML

		Paper and PDF
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Compatible telephone support Online (HTML, PDF), Supports Screen Readers Additionally, MY Sharp™ which provides text, sound, and images

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