# Voluntary Product Accessibility Template

Date: __May 29, 2015__

Product Name: __**Samsung Color Multi-Function Printer**__

Product Version Number: __**SL-M4370LX**__

Vendor Company Name: _Samsung Electronics America, Inc._

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**APPENDIX A: Suggested Language Guide**

| Summary Table Voluntary Product Accessibility Template | | |
|---|---|---|
| **Criteria** | **Supporting Features** | **Remarks and explanations** |
| Section 1194.21 Software Applications and Operating Systems | Fully Supports | This can be controlled with keyboard only. |
| Section 1194.22 Web-based internet information and applications | Supports with Exceptions | Not all information provided by the script is identified via functional text. |
| Section 1194.23 Telecommunications Products | Not Applicable | This product is not a Telecommunications Product. |
| Section 1194.24 Video and Multi-media Products | Not Applicable | This product is not a Video or Multimedia Product. |
| Section 1194.25 Self-Contained, Closed Products | Supports with Exceptions | Products support the TTS and the text correction. |
| Section 1194.26 Desktop and Portable Computers | Not Applicable | This product is not a Desktop or Portable Computer. |
| Section 1194.31 Functional Performance Criteria | Supports with Exceptions | Information about machine status and the error beep sound are provided in cases of no paper, paper jam, wake up etc.<br><br>Functions related to tactile(braille, carving a seal) are |

| | | not supported. |
| | | The Haptic feedback (vibration) is supported. (5 Levels) |
| | | The voice service for screen menus is supported. |
| Section 1194.41 Information, documentation, and support | Fully Supports | This provides a free on the Product Manual Homepage. |

## 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. | Fully Supports | This can be controlled with keyboard only. |
| (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. | Fully Supports | All accessibility items of control panel work normally. (magnifying glass, narrator, image keyboard, high contrast) |
| (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. | Fully Supports | It is applied normally when using Windows Focus function. |
| (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 | Fully Supports | It is provided with seven types of images and text at the bottom of images. |

| be available in text. | | |
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| (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. | Not Applicable | . |
| (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. | Not Applicable | The title bar of the driver is only changed if user change the shape of character.(Internal items cannot be changed.) |
| (g) Applications shall not override user selected contrast and color selections and other individual display attributes. | Fully Supports | The same configuration is applied entirely when set to high contrast. |
| (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 | No 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 with Exceptions | No items in driver for color coding. Use toner color Of SyncThru Web(Mono printer) |
| (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. | Fully Supports | It is applied to colors of driver or SyncThru Web when using Windows high contrast. |
| (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 | This is excluded from the evaluation. |
| (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 with Exceptions | Voice responses can be ouput because this function is supported, but it does not work normally. (driver, SWS) |

## Section 1194.22 Web-based Internet information and applications

| Criteria | Supporting | Remarks and explanations |
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| | Features | |
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| (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content). | Not applicable | No important non-text elements are used. |
| (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. | Supports | The product complies with WCAG 1.0 : checkpoint 6.1 |
| (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 with Exceptions | Client-side data grids are not tables in markup. |
| (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 Exceptions | Client-side data grids are not tables in markup. |
| (i) Frames shall be titled with text that facilitates frame identification and navigation | Supports | Frames possess labels that facilitate frame identification and 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 | Pages do not use flashing elements. |
| (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. | Supports | Text-only pages for all web sites are not provided but the compliance with these provisions was accomplished in another way. |
| (l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the | Supports with Exceptions | Not all information provided by the script is identified via functional text. |

| script shall be identified with functional text that can be read by Assistive Technology. | | |
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| (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 Û1194.21(a) through (l). | Supports with Exceptions | Not all Plug-ins or applets which are linked comply with 1194.21(a) through (l). |
| (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. | Not Applicable | No repetitive navigation link |
| (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 timed responses required. |

| Section 1194.23 Telecommunications Products |
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| Criteria | Supporting Features | Remarks and explanations |
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| (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 | |
| (b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols. | Not Applicable | |
| (c) Voice mail, auto-attendant, and interactive | Not Applicable | |

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| voice response telecommunications systems shall be usable by TTY users with their TTYs. | | |
| (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 | |
| (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 | |
| (f) For transmitted voice signals, telecommunications products shall provide a gain 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. | Not Applicable | |
| (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 | |
| (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 | |
| (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 | |
| (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 | Not Applicable | |

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| encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery. | | |
| (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 keys. | Not Applicable | |
| (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, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum. | Not Applicable | |
| (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 | |
| (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 | |

| Section 1194.24 Video and Multi-media Products | | |
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| **Criteria** | **Supporting Features** | **Remarks and explanations** |
| (a) All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches | Not Applicable | |

| Criteria | Supporting Features | Remarks and explanations |
|---|---|---|
| vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. | | |
| (b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry. | Not Applicable | |
| (c) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned. | Not Applicable | |
| (d) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described. | Not Applicable | |
| (e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent. | Not Applicable | |

## 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 | Products support the TTS and the text correction. |
| (b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. | Supports with Exceptions | Job status is displayed separately the scanning and printing when running the copy job. |
| (c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided | Supports with Exceptions | It is easy to identify functions of button on the copy feature. |

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| that complies with Û1194.23 (k) (1) through (4). | | The Haptic feedback(vibration) is supported.<br>The key color is changed by clicking. |
| (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. | Supports with Exceptions | ' The 'Cover Open' action has beep sounds.<br> The 'Cover Complete' action hasn't sounds.<br> The 'Key Click' action has sounds. |
| (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 with Exceptions | Products support the TalktoSpeech and the voice output. |
| (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 | Numbers is expressed the 'GRY'(gray color), letter  is expressed the 'WHT'(white) color. |
| (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. | Fully Supports | |
| (j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls. | Not Applicable | Product is portable and not considered a free standing unit. |
| (j)(2) Products which are freestanding, non-portable, and | Not Applicable | Product is portable and not |

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| 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. | | considered a free standing unit. |
| (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. | Not Applicable | Product is portable and not considered a free standing unit. |
| (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. | Not Applicable | Product is portable and not considered a free standing unit. |

## Section 1194.26 Desktop and Portable Computers

| Criteria | Supporting Features | Remarks and explanations |
|---|---|---|
| (a) All mechanically operated controls and keys shall comply with Û1194.23 (k) (1) through (4). | Not Applicable | |
| (b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with Û1194.23 (k) (1) through (4). | Not Applicable | |
| (c) 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 | |
| (d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards | Not Applicable | |

# 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. | Supports with Exceptions | Information about machine status and the error beep sound are provided in cases of no paper, paper jam, wake up etc.<br><br>Functions related to tactile(braille, carving a seal) are not supported. The Haptic feedback(vibration) is supported. (5 Levels)<br><br>The voice service for screen menus is supported. |
| (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 | The high contrast is not supported. Control panel can be adjusted to the angle.<br>The voice service for screen menus is supported.<br>The resolution setting function is not supported. |
| (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 with Exceptions | The voice service for text of menus is supported.<br>The Haptic feedback(vibration) and key sound are supported.<br>Text information for touch screen buttons is provided. |
| (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. | Fully Supports | The TTS is supported. |

| (f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided. | Fully Supports | |
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## Section 1194.41 Information, documentation, and support

| Criteria | Supporting Features | Remarks and explanations |
|---|---|---|
| (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge. | Fully Supports | This provides a free on the Product Manual Homepage. |
| (b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge. | Fully Supports | This provides a free on User Manual Homepage. |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities. | Fully Supports | |