

Epson America Inc.

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Criteria Section (s)	Supporting Features Epson	Remarks & Explanations Epson
Software applications/OS (1194.21)	Epson Perfection 1640SU Series	Epson Perfection 1640SU Series
Pertains to usability for people with vision impairments e.g. alternative keyboard navigation.	Support w/minor exceptions	Support with some exceptions on Perfection 1640SU Series.
(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.	Limited Support	Limited Support - Keyboard has some limitations. Screen reader does not consistently read Tab Headers, and some information in window screens. Driver cannot be installed from GUI using Tab key and Space bar.
(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 OS that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the OS and is available to the product developer.	Limited Support	Limited Support: Most Applications do not interfere or disrupt any accessibility features in the operating system. Accessibility and compatibility features are part of Windows operating system. Film Factory Lite does not support On screen Keyboard; Smart Panel does not support voice navigation; Cannot use Magnifier when installing Reference Guide.
(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.	Limited Support	Limited Support - Screen reader does not read all sections in pull down menus. Screen Doors (input device) does not access information in scanner software screen. Screen Doors is not supported in all bundle applications e.g. Film Factory Lite.
(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.	Limited Support	Limited Support - Screen reader does not read all sections in pull down menus or in adjustments slider bars. Keyboard navigation has some limitations. Screen Doors is not supported in all bundle applications e.g. Film Factory Lite.
(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.	Support with Minor Exceptions	Support with Minor Exceptions: In the Online Help there are some arrow button icons that the screen reader does not read; cannot read text in Acrobat Reader; cannot read Policy Statement in eReg, etc.
(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.	Limited Support	Limited Support - Textual controls are operable through operating systems. On some screens 'Alternate Text' is not provided. Some screens do not present all textual information.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Support with Minor Exceptions	Support - Accessibility options for contrast, color, etc. are available in operating system.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Support	Support - No animations are used in the Software or Utilities.
(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.	Support with Minor Exceptions	Support - with minor exceptions. UI uses simple text, graphics and color to convey information, action, response, or direction clearly. Some buttons do not have label, but do have mouse over text.
(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.	Support with Minor Exceptions	Support with Minor Exceptions - Applications do not disrupt or disable color or contrast accessibility features in the operating system.
(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.	Support	There is no use of flashing or blinking text or objects in the software.
(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.	Support with Minor Exceptions	Driver uses eReg to register online. Able to install driver, and register using Numeric Key Pad only. Did not require use of Tab Key, Space Bar or Mouse. Assistive Technology e.g. voice activation software to input name, address, is supported in eReg

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<p>Self contained, closed products (1194.25)</p>		
<p>Pertains to information kiosks, calculators, copiers, fax machines, printers. 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'.</p>		
<p>(a) Not requiring end-user to attach Assistive Technology to the product.</p>	<p>Support</p>	<p>Support: Assistive Technology is not required to attach to this product. Panel buttons are large, easy to access. Users with visual disability may need to install AT in the host PC.</p>
<p>(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.</p>	<p>N/A</p>	<p>No timed responses are required in the Software or Online Help.</p>
<p>(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).</p>	<p>Support</p>	<p>Support - Buttons on the scanner can be distinguished without activation. All buttons can be activated by one hand and require pressing to activate functions. Key repeat is not required. There are no locking or toggle keys or buttons for activating function. The buttons reside in concave ovals that facilitate mouth-stick users. All controls do not exceed the 5lbs of force requirements.</p>
<p>(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.</p>	<p>N/A</p>	<p>No biometric forms used for user identification.</p>
<p>(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 sound.</p>	<p>N/A</p>	<p>No auditory output is provided. Verification of a scan can be seen by the scanner light moving along the scan bed and with a status bar on the computer monitor.</p>
<p>(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</p>	<p>N/A</p>	<p>No voice output is provided.</p>
<p>(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.</p>	<p>Limited Support</p>	<p>Limited Support: Scanner uses text, graphics and color to convey information.</p>
<p>(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.</p>	<p>Support</p>	<p>Support - Applications do not disrupt or disable color or contrast accessibility features in the operating system.</p>
<p>(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.</p>	<p>Support</p>	<p>Support - there is no screen flicker.</p>
<p>(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 ion one location and which have operable controls.</p>	<p>NA</p>	<p>Does not apply, this product is not freestanding.</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</p>	<p>NA</p>	<p>Does not apply, this product is not freestanding.</p>

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(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.	NA	Does not apply, this product is not freestanding.
(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.	NA	Does not apply, this product is not freestanding.
Functional Performance Criteria (1194.31)		
Overall product evaluation to ensure that the individual components work together to create an accessible product.		
(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.	Limited Support	Limited Support - Applications do not disrupt or disable accessibility features in the operating system. Screen reader is able to access most of the information from the driver, Smart Panel is not supported. Keyboard navigation has some limitations.
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 and 20/200 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used	Limited Support	Limited Support - Applications do not disrupt or disable accessibility features regarding large print options in the operating systems. Driver supports screen reader, Smart Panel does not. Driver and Smart Panel support Mouse via Numeric Keypad.
(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	Support	Support - No user hearing is required to operate this product. Verification of a scan in process can be seen by the scanner light moving along the scan bed and with a status bar on the computer monitor.
(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.	Support	Support - There are no auditory messages, sounds, etc. that the user must hear to operate this scanner.
(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.	Support	Support - User speech is not required.
(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.	Support	Support - Scanner has a large power button, and a "Start Scan" button that are easy to access, and controls that can be operated with one hand. The "Start Scan" Panel button brings up software that allows the user to scan straight to printer, e-mail, and internet. The 2 buttons are in the front with icons for easy discernability. The buttons reside in concave ovals that facilitate mouth-stick users. All controls do not exceed the 5lbs of force requirements.