Section 508 Checklist for §1194.25 Self contained, closed products.

For more information on the Standard refer to the United States Access Board description at the following URL: http://www.access-board.gov/sec508/guide/1194.25.htm.

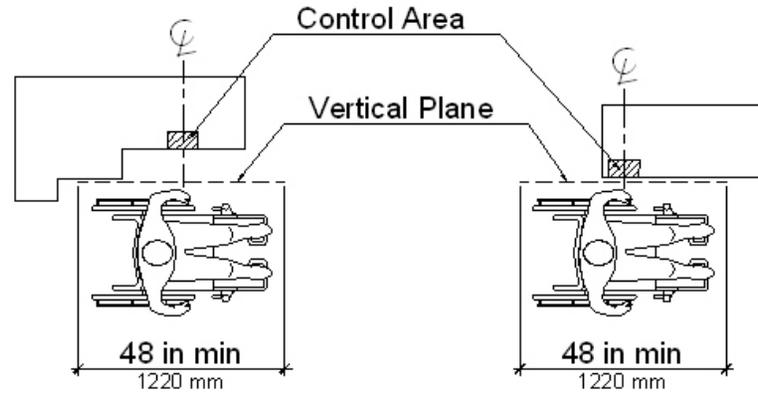| ID	1194.25 Standard Criteria & Checklist Questions	Evaluation
(a)	**Self contained products shall be usable by people with disabilities without requiring an end-user to attach assistive technology to the product. Personal headsets for private listening are not assistive technology.**	
a.1	Does this product have features built into the product so that the product conforms to *§1194.31 Functional Performance Criteria (shown at the end of this form)?	
(b)	**When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.**	
b.1	Does the product give a user selectable alert when the time interval is about to run out (i.e. auditory, tactile or visual)? Refer to *§1194.31 Functional Performance Criteria.	
b.2	Does the product provide sufficient time for the user to indicate more time is required?	

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(c)	**Where a product utilizes touch screens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).**	
c.1	When a product has a touch screen, is there a redundant set of controls that can be used by persons who have access problems with touchscreens?	
c.2	Is the redundant set of controls and keys tactilely discernible without activating the controls or keys?	
c.3	Do the redundant set of controls and keys operate with one hand?	
c.4	Do the redundant set of controls and keys operate without requiring tight grasping, pinching, or twisting of the wrist?	
c.5	Is the force required to activate the redundant set of controls and keys less than 5 lbs. (22.2 N) maximum?	
c.6	When the redundant set of controls and keys support repeat, is the delay before repeat adjustable to at least 2 seconds per character?	
c.7	Do the redundant set of controls and keys display the status of all locking toggle controls or keys in a visual manner?	
c.8	Do the redundant set of controls and keys display the status of all locking toggle controls or keys through touch or sound?	
(d)	**When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.**	
d.1	When a system needs to be accessed by a person with a disability that prohibits the use of a specific biometric feature, is there a non-biometric alternative provided that does not compromise security?	

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(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.**	
e.1	Does the product provide voice output for a person who is unable to see a visual display?	
e.2	Does the product provide industry standard connectors for headsets to enable the user to operate the product in private?	
e.3	Does the product provide the ability to interrupt, pause and restart the audio at anytime using a variety of controls such as voice recognition or keyboard? Refer to *§1194.31 Functional Performance Criteria.	
(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.**	
f.1	Can the default audio output be set to various levels and is it user selectable?	
f.2	Does the device automatically reset the volume to the default level after every use?	
f.3	Is the output audio from the product at a minimum level of 65 dB?	
f.4	If the ambient noise level of the environment is above 45 dB can the user raise the sound level at least 20 dB higher than the ambient noise level?	
f.5	Can the owner of the device recalibrate the device at specified periods to ensure that the sound level can be at least 20 dB higher than the ambient noise level?	

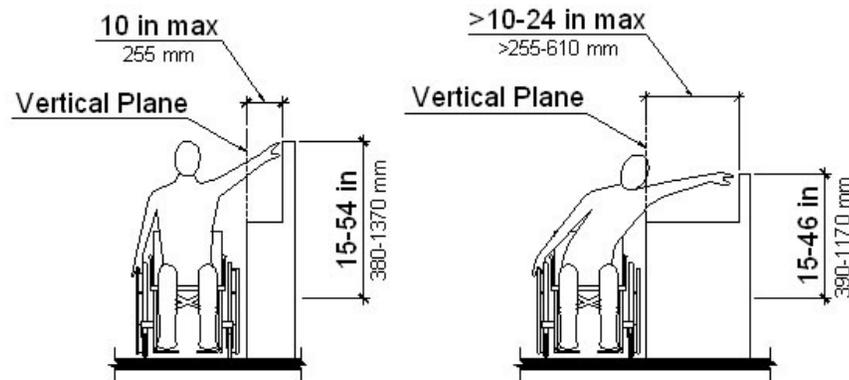| ID	1194.25 Standard Criteria & Checklist Questions	Evaluation
(g)	**Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.**	
g.1	If color is used to convey information, is the information displayed in another method?	
g.2	Do users have access to alternative description that indicates a condition of color? Any indication of color as a means of conveying information must contain an accessible auditory and visual alternative. (Note this is a function of §1194.31 Functional Performance Criteria)*	
(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.**	
h.1	If users can adjust color and contrast settings, is there a variety of color and contrast settings available?	
h.2	Do all colors depicted for color choices have accompanying meaningful audio and visual descriptions? (Note refer to §1194.31 Functional Performance Criteria)*	
h.3	Does the application support user-defined color settings?	
h.4	Is the display viewable with inverted colors? If inverted colors are chosen, can the screen return to the default after the user is finished?	
h.5	Is the display free of patterned backgrounds used behind text or important graphics?	
(i)	**Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.**	
i.1	If any flashing or blinking objects exist, are the frequencies less than 2 Hz and greater than 55Hz?	
i.2	Can any on-screen flashing/blinking be disabled?	

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i.3	Do any flashing/blinking words or objects that convey meaning have an accessible auditory and visual alternative? **(Note refer to §1194.31 Functional Performance Criteria)***	
(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 (see the figures at the bottom of the table).**	
(j)(1)(1)	Do all operable controls meet the standard by having 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?	
(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.**	
(j)(2)(1)	Where any operable control is 10 inches or less behind the reference plane, is the height a maximum of 54 inches and 15 inches minimum above the floor?	

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(j)(3)	**Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, is the height a maximum 46 inches 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 (see the figures at the bottom of the table).**	
(j)(4)(1)	Are operable controls not more than 24 inches behind the reference plane?	

Checklist for §1194.25

Control Area

Vertical Plane

48 in min
1220 mm

48 in min
1220 mm

Vertical Plane Relative to the Operable Control

Figure 1

10 in max
255 mm

>10-24 in max
>255-610 mm

Vertical Plane

Vertical Plane

15-54 in
380-1370 mm

15-46 in
390-1170 mm

Height of Operable Control Relative to the Vertical Plane

Figure 2

*§1194.31 Functional Performance Criteria

(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.

(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.

(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.

(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.

(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.

(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.

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