

The following Voluntary Product Accessibility information refers to the **Apple iPod touch (2<sup>nd</sup> generation) with 2.0 software or greater (“iPod touch”)**. For more information on the accessibility features of iPod touch, visit <http://www.apple.com/ipodtouch> and <http://www.apple.com/accessibility>.

**Summary Table  
Voluntary Product Accessibility Template**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
Section 1194.21 Software applications and operating systems.	Not applicable	
Section 1194.22 Web-based Internet Information and Applications.	Not applicable	
Section 1194.23 Telecommunications products.	Not applicable	
Section 1194.24 Video and multimedia products.	Please refer to attached VPAT	
Section 1194.25 Self contained closed products.	Please refer to attached VPAT	
Section 1194.26 Desktop and portable computers.	Not applicable	
Section 1194.31 Functional performance criteria.	Please refer to attached VPAT	
Section 1194.41 Information, documentation, and support.	Please refer to attached VPAT	

**Subpart B – Technical Standards**

**Section 1194.24 Video and multimedia products.**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
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 vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with Not applicable 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,	Not applicable	

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.	Supported	iPod touch supports playback of captioned content.  The Apple iPod touch comprehensive Guided Tour at <a href="http://www.apple.com/ipodtouch">www.apple.com/ipodtouch</a> includes closed captioning.
(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 Supported	
e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Supported	Option to display closed captioning in video is user-selectable.

#### 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.	Supported with exception	Additional assistive technology may be required for some visually impaired users.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supported	Users have the option of changing the iPod touch auto-lock setting from 1-5 minutes in 60-second intervals and an option for "never." This screen-locking is thus a user controlled feature and not an unexpected response.
(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).	Supported with exception	§1194.23 (k) (1) and (k) (2) are supported; mechanically operated controls are tactilely discernable without activating them. (There are no mechanically operated keys on this product.) They are also operable with one hand and do not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys are below 5lbs maximum. To reset iPod touch you must hold the sleep/wake button and Home button at the same time. This is not a regular use case but is more used for troubleshooting. However it may not be possible for all

		<p>individuals to perform this action with one hand.</p> <p>(k) (3) and (k) (4) are not supported. Key repeat rate on iPod touch is not adjustable, however the only repeatable key is the backspace key. Status of locking or toggle control keys are visually, but not audibly discernable.</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.	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.	Supported	iPod touch uses an industry standard 3.5mm headphone jack and supports interrupt, pause and restart for controlling audio 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.	Supported with exception	<p>iPod touch provides earbuds that can be used for listening in noisy environments.</p> <p>iPod touch supports a user-adjustable built-in speaker.</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.	Supported	
(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 supported	<p>iPod touch provides adjustable brightness but does not provide user-adjustable color selections.</p> <p>iPod touch includes an ambient light sensor that auto-adjusts brightness based on outside lighting conditions.</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.	Supported	

(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	
(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.	Not 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.	Not applicable	
(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	

**Subpart C – Functional Performance Criteria**

**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	Not Supported	

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.	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	Supported	iPod touch can be navigated without hearing and can display movies and other video content that includes captioned content.
(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.	Supported	iPod touch supports use of assistive hearing devices through an industry standard 3.5mm headphone jack. It can be used in conjunction with hearing-aid compatible neck loops that are sold separately.  iPod touch also supports Bluetooth 2.1 EDR* for Bluetooth assistive hearing devices.  *Bluetooth requires iPhone 3.0 software update for iPod touch.
(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.	Supported	Option to display closed captioning in video is user-selectable.
(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.	Supported with exception	Using the iPod touch touchscreen requires the use of a bare finger or conductive device. Users who have motor skills or other disabilities that prevent them from having direct skin contact with the touchscreen may require a conductive stylus. In some cases, using a stylus may result in erratic touchscreen behavior and may scratch or damage the touchscreen. Caution should be taken in choosing an appropriate stylus. For more information about iPod touch accessibility features and solutions, see

[www.apple.com/accessibility](http://www.apple.com/accessibility)

## Subpart D – Information, Documentation, and Support

### 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	Supported	Product documentation is accessible on iPod touch in HTML and in PDF via the web over a Wi-Fi connection.
(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.	Supported	Information about Apple product accessibility and compatibility features is available on the Web in an HTML format that is compatible with screen readers for the blind and visually impaired, can be displayed in large print using web browsers and software magnifiers for those with low vision at <a href="http://www.apple.com/accessibility">www.apple.com/accessibility</a> and can be printed using a personal computer and suitable printing device (available separately).
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	Email, telephone, and support via the Web are available.