

Apple eMac

Standards Subpart	Remarks
§ 1194.21 Software applications and operating systems.	The eMac comes with the Macintosh OS X operating system (the eMac tested was running OS X 10.3.4). Accessibility information for OS X is available at http://www.apple.com/accessibility/ .
§ 1194.22 Web-based intranet and internet information and applications.	Not applicable
§ 1194.23 Telecommunications products.	Please refer to the attached VPAT: Standard 1194.23(k) and its subparts apply to the eMac.
§ 1194.24 Video and multimedia products.	Please refer to the attached VPAT
§ 1194.25 Self contained, closed products.	Not Applicable: The eMac is not a self-contained, closed product.
§ 1194.26 Desktop and portable computers.	Please refer to the attached VPAT
§ 1194.31 Functional performance criteria.	Please refer to the attached VPAT and to the OS X VPAT at http://www.apple.com/accessibility/ .
§ 1194.41 Information, documentation, and support.	Please refer to the attached VPAT

Subpart B -- Technical Standards

§ 1194.23 Telecommunications products.

Criteria	Supporting Features	Remarks and explanations
(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	

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	

<p>(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.</p>	<p>Not Applicable</p>	
<p>(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 encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.</p>	<p>Not Applicable</p>	
<p>(k) Products which have mechanically operated controls or keys, shall comply with the following:</p>		
<p>(1) Controls and keys shall be tactilely discernible without activating the controls or keys.</p>	<p>Supported with minor exceptions</p>	<p>Keyboard keys (F, J, and numpad 5) have discernable nubs to assist users in keyboard orientation. The power button on the eMac is flush with the surface and is located on the right side near the back of the machine, behind the cabling area. It has a slight tactile quality but may be difficult to locate, although it is the only button there.</p>
<p>(2) Controls and keys shall be operable with one hand and shall not require tight</p>	<p>Supported</p>	

grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.		
(3) 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.	Supported	This delay is configurable with the OSX operating system.
(4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Supported with minor exception	Caps Lock is the only key with a visible locking indicator on the keyboard itself: it shows a light when caps lock is on, but this is not discernible by touch. When the OS' Sticky Keys feature is turned on, the locking status of the Shift, Control, Option and Apple keys is made visible on the screen.

§ 1194.24 Video and multimedia products.

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 vertically, DTV sets with conventional displays measuring at least 13	Not Applicable	

<p>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.</p>		
<p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>	<p>Not Applicable</p>	
<p>(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.</p>	<p>Not Applicable</p>	
<p>(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.</p>	<p>Not Applicable</p>	
<p>(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.</p>	<p>Not Applicable</p>	

§ 1194.26 Desktop and portable computers.

Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Supported with minor exceptions	See 1194.23(k.1).
(b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (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.	Supported	The eMac has no expansion slots. All connectors are compliant with publicly available industry standards, including USB, FireWire (IEEE 1394), ADC, and _" audio.

Subpart C -- Functional Performance Criteria

§ 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.	Supported with exceptions	Some feedback is provided audibly, such as confirmation that the system has been turned on, or that Sticky Keys have been activated. Operation and information retrieval are controlled via the operating system, and are documented in the OS X VPAT document at http://www.apple.com/accessibility/ .

<p>(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.</p>	<p>Supported with exceptions</p>	<p>Operation and information retrieval are controlled via the operating system, and are documented in the OS X VPAT document at http://www.apple.com/accessibility/</p>
<p>(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.</p>	<p>Supported</p>	<p>Operation and information retrieval are controlled via the operating system, and are documented in the OS X VPAT document at http://www.apple.com/accessibility/</p>
<p>(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.</p>	<p>Supported</p>	<p>Operation and information retrieval are controlled via the operating system, and are documented in the OS X VPAT document at http://www.apple.com/accessibility/</p>
<p>(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.</p>	<p>Supported with exceptions</p>	<p>Speech is not required for operation or information retrieval.</p>
<p>(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions</p>	<p>Supported with exceptions</p>	<p>Operation and information retrieval are controlled via the operating system, and are documented in the OS X VPAT document at http://www.apple.com/accessibility/</p>

and that is operable with limited reach and strength shall be provided.		
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Subpart D -- Information, Documentation, and Support

§ 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	Support documentation is available on the Web in HTML at http://www.apple.com/support/ . Some documents are available only in PDF on the Web site, but will be made available upon request.
(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 access features is available at http://www.apple.com/accessibility .
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	E-mail and phone support are available.