

Accessibility Information Detail Report

As of: **01/10/2006** the **HP Designjet 4500 Stacker** addresses the Section 508 standards as described in the chart below.

Family HP DesignJet 4500 stacker series

Standard	Reference (36CFR)	Supporting Features*	Remarks*
Software Applications and Operating Systems	1194.21		
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.	1194.21(a)	Not Applicable	
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.	1194.21(b)	Supports	
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.	1194.21(c)	Not Applicable	
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.	1194.21(d)	Not Applicable	
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.	1194.21(e)	Not Applicable	
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.	1194.21(f)	Not Applicable	
Applications shall not override user selected contrast and color selections and other individual display attributes.	1194.21(g)	Not Applicable	
When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	1194.21(h)	Not Applicable	
Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	1194.21(i)	Supports	
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.	1194.21(j)	Not Applicable	
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.	1194.21(k)	Not Applicable	
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.	1194.21(l)	Not Applicable	
Web-based Intranet and Internet Information and Applications	1194.22		
A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	1194.22(a)	Not Applicable	

Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	1194.22(b)	Not Applicable	
Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	1194.22(c)	Not Applicable	
Documents shall be organized so they are readable without requiring an associated style sheet.	1194.22(d)	Not Applicable	
Redundant text links shall be provided for each active region of a server-side image map.	1194.22(e)	Not Applicable	
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.	1194.22(f)	Not Applicable	
Row and column headers shall be identified for data tables.	1194.22(g)	Not Applicable	
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.	1194.22(h)	Not Applicable	
Frames shall be titled with text that facilitates frame identification and navigation.	1194.22(i)	Not Applicable	
Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	1194.22(j)	Not Applicable	
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.	1194.22(k)	Not Applicable	
When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive technology.	1194.22(l)	Not Applicable	
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 §1194.21(a) through (l).	1194.22(m)	Not Applicable	
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.	1194.22(n)	Not Applicable	
A method shall be provided that permits users to skip repetitive navigation links.	1194.22(o)	Not Applicable	
When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	1194.22(p)	Not Applicable	
Telecommunications Products	1194.23		
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.	1194.23(a)	Not Applicable	
Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	1194.23(b)	Not Applicable	
Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	1194.23(c)	Not Applicable	
Voice mail, messaging, auto-attendant, and interactive voice	1194.23(d)	Not Applicable	

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.			
Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	1194.23(e)	Not Applicable	
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.	1194.23(f)	Not Applicable	
Requires that an automatic reset be installed on any telephone that allows the user to adjust the volume higher than the normal level. This is a safety feature to protect people from suffering damage to their hearing if they accidentally answer a telephone with the amplification turned too high.	1194.23(g)	Not Applicable	
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.	1194.23(h)	Not Applicable	
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.	1194.23(i)	Not Applicable	
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.	1194.23(j)	Not Applicable	
Controls and keys shall be tactilely discernible without activating the controls or keys.	1194.23(k.1)	Supports	
Controls and keys shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.	1194.23(k.2)	Partially supports	Some controls and keys do not comply with this guideline.
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.	1194.23(k.3)	Not Applicable	
The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	1194.23(k.4)	Supports	
Video and Multimedia Products	1194.24		
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 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.	1194.24(a)	Not Applicable	
Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	1194.24(b)	Not Applicable	
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.	1194.24(c)	Not Applicable	

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.	1194.24(d)	Not Applicable	
Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	1194.24(e)	Not Applicable	
Self Contained, Closed Products	1194.25		
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.	1194.25(a)	Not Applicable	
When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	1194.25(b)	Not Applicable	
Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	1194.25(c)	Not Applicable	
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.	1194.25(d)	Not Applicable	
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.	1194.25(e)	Not Applicable	
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.	1194.25(f)	Not Applicable	
Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	1194.25(g)	Partially supports	Some visual controls do not comply with this guideline.
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.	1194.25(h)	Not Applicable	
Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	1194.25(i)	Not Applicable	
Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following:	1194.25(j)	Partially supports	
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 Figure 1 of this part).	1194.25(j.1)	Partially supports	The printer display is not accessible for wheelchair users
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.	1194.25(j.2)	Partially supports	The printer display is not accessible for wheelchair users
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.	1194.25(j.3)	Partially supports	The printer display is not accessible for wheelchair users
Operable controls shall not be more than 24 inches behind the reference plane (see Figure 2 of this part).	1194.25(j.4)	Partially supports	The printer display is not accessible for

			wheelchair users
Desktop and Portable Computers	1194.26		
All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	1194.26(a)	Not Applicable	
If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	1194.26(b)	Not Applicable	
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.	1194.26(c)	Not Applicable	
Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.	1194.26(d)	Not Applicable	
Functional Performance Criteria	1194.31		
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.	1194.31(a)	Not supported	Blind people cannot use assistive technology to operate the stacker
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.	1194.31(b)	Partially supports	Users with visual acuity greater than 20/70 have difficulty to use the stacker
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.	1194.31(c)	Supports: No tasks require hearing although beeps are used to help users who do not have hearing difficulties.	
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.	1194.31(d)	Not Applicable	
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.	1194.31(e)	Not Applicable	
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.	1194.31(f)	Partially supports	Users with fine motor control impairments have difficulty to use the stacker
Information, Documentation and Support	1194.41		
Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	1194.41(a)	Supports: Support documents are available in digital formats that comply with either 1194.21 or 1194.22.	
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.	1194.41(b)	Supports: Printer accessibility information is available on the HP website at http://www.hp.com/accessibility .	
Support services for products shall accommodate the communication needs of end-users with disabilities.	1194.41(c)	Supports for customers using TTY: 1-877-656-7058 (Monday - Friday 6 a.m. - 3 p.m. Pacific Time, excluding holidays). Additional support services are provided at www.hp.com	

*Supporting features apply to the **HP Designjet 4500 Stacker** product family as a whole. Individual products within this family that do not contain one or more of these features are identified as exceptions in the Remarks column, which may also include notes regarding definition, equivalent facilitation, scope of support, etc. Unless otherwise indicated, operating system information is included if applicable. For information on third party software and applications please contact the software manufacturer.

THE INFORMATION AND MATERIALS PROVIDED IN THIS DOCUMENT ARE "AS IS" WITHOUT WARRANTIES OF ANY KIND INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF INTELLECTUAL PROPERTY. HP further does not warrant the accuracy and completeness of the information or materials on this document. The information shall not be construed as product specifications for purposes of any warranty of compliance with product specifications in a given contract or order. HP may make changes to the information on this document or to the products described in them, at any time without notice. The information and materials on this document may be out of date, and HP makes no commitment to update the information and materials.