ESX Server
VPAT© 4.1

July 8, 2010

VPAT©

Since the VPAT must be comprehensive, all Section 508 issues on all pages must be corrected to sustain compliance.

Summary of Voluntary Product Accessibility Template		
Criteria	*Supporting Features*	*Remarks & Explanations*
Section 1194.21 Software Applications and Operating Systems	Supports with Exceptions	Please reference the included 1194.21 section.
Section 1194.22 Web-based Internet Information and Applications	Supports with Exceptions	The Web based GUI accessed through the VMware VI Web Access Client allows access to ESX 4.1 Please reference the included 1194.22 section.
Section 1194.23 Telecommunications Products	Not Applicable	
Section 1194.24 Video and Multimedia Products	Not Applicable	
Section 1194.25 Self-contained, Closed Products	Not Applicable	
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Supports with Exceptions	Please reference the attached 1194.31 section.
Section 1194.41 Information, Documentation and Support	Supports	Please reference the attached 1194.41 section.

Supporting Features (Second Column on VPAT)

Supports	Use this language when you determine the product fully meets the letter and intent of the Criteria.
Supports with Exceptions	Use this language when you determine the product does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria.
Supports through Equivalent Facilitation	Use this language when you have identified an alternate way to meet the intent of the Criteria or when the product does not fully meet the intent of the Criteria.
Supports when Combined with Compatible AT	Use this language when you determine the product fully meets the letter and intent of the Criteria when used in combination with Compatible Assistive Technology ("AT"). For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used AT for people who are blind).
Does Not Support	Use this language when you determine the product does not meet the letter or intent of the Criteria.
Not Applicable	Use this language when you determine the Criteria does not apply to the specific product.
Not Applicable - Fundamental Alteration Exception Applies	Use this language when you determine a Fundamental Alteration of the product would be required to meet the Criteria (see the access board's standards for the definition of "fundamental alteration").

1194.21 Software Applications and Operating Systems

Criteria	Supporting Features	Remarks & Explanations
(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.	Supports with Exceptions	The Windows based GUI accessed through the VMware vSphere client 4.1 does not allow keyboard access to all screens and all functions. For example, the Windows based GUI accessed through the VMware vSphere client 4.1 does allow the user to move the focus from one tab to another in the Inventory, however even though the focus moves from tab to tab, there is no way to access the content of the of tab with either the space or enter keys which is the Windows Standard. The Web based interface does not allow keyboard access to all screens and all functions. For example, all tabs are not reachable with a screen reader on web pages.
(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 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.	Supports with Exceptions	The Windows based GUI accessed through the VMware vSphere client 4.1 and the web based interface do honor or extend some Windows high contrast settings but do not allow large font settings.

1194.21 Software Applications and Operating Systems

1194.21 Software Applications and Operating Systems, continued

Criteria	Supporting Features	Remarks & Explanations
(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.	Supports with Exceptions	The Windows based GUI accessed through the VMware vSphere client 4.1 and the web based interface do not always provide accurate information about the focus on the current screen.

For example, the focus can move to areas that appear to be blank, but a screen reader will read information that is not on the screen. |
| (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. | Supports with Exceptions | The Windows based GUI accessed through the VMware vSphere client 4.1 and the web based interface does not always present accurate information to the user of AT.

See 1194.21(b) and 1194.21(c) for examples. |
(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.	Supports	Bitmap images are used in a consistent manner.
(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.	Supports with Exceptions	Not all text is displayed through operating system function for displaying text.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports with Exceptions	The Windows based GUI accessed through the VMware vSphere client 4.1 and the web based interface do honor or extend some Windows high contrast settings but does not allow large font settings.

1194.21 Software Applications and Operating Systems, continued

1194.21 Software Applications and Operating Systems, continued		
Criteria	*Supporting Features*	*Remarks & Explanations*
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not Applicable	There is no animation in the application.
(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.	Supports	This product does not use color coding as the only means to convey information, indicating an action, prompting responses or distinguishing visual elements.
(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.	Not Applicable	The VMware vSphere client does not permit a user to adjust color or contrast selections through the product itself. The product inherits some settings from Microsoft Windows which provides a range of contrast levels for applications that allow a user to adjust color and contrast settings see 1194.21(g).
(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.	Supports	No flashing or blinking text is used in this product.
(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.	Supports	When using the Windows based GUI accessed through the VMware vSphere client 4.1 all form fields are accessible to AT.

Criteria	Supporting Features	Remarks & Explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports with Exceptions	When accessed through the Virtual Infrastructure - VI Web Access Client 4.1. some Images do not have Alt attributes or text equivalents. For Example, some images are background images which are linked and do not have alt or title tags on the images or links. Another example would be that images that appear to be spacer images also do not have appropriate alt tags.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	There is no multimedia.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports	Color is not used as a sole means of conveying information.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Does Not Support	When Style Sheets are disabled the page is not usable.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	Server-side image maps are not used.
(f) 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.	Not Applicable	Client-side image maps are not used.
(g) Row and column headers shall be identified for data tables.	Does Not Support	No tables have TH tags.
(h) 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.	Not Applicable	Data tables do not have multilevel columns or rows.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Does Not Support	iFrames are not titled with meaningful text.

1194.22 Web-based Intranet and Internet Information and Applications

1194.22 Web-based Intranet and Internet Information and Applications, continued		
Criteria	*Supporting Features*	*Remarks & Explanations*
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	Pages do not flash or blink.
(k) 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.	Not Applicable	A text only page is not needed to the application.
(l) 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 (AT).	Supports with Exceptions	Not all Interfaces are keyboard accessible or readable. See 1194.21(a), (b), (c), and (d)
(m) 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).	Not Applicable	Plug-ins are not used.
(n) When electronic forms are designed to be completed on-line, the form shall allow people using (AT) to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports with Exceptions	Not all form fields are labeled so they can be read with AT. For example: Login Page does not have form fields labeled. Using a screen reader you cannot log in.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Does Not Support	There are no links to skip over repetitive navigation links.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	There are no timed responses required.

1194.22 Web-based Intranet and Internet Information and Applications, continued

1194.31 Functional Performance Criteria		
Criteria	*Supporting Features*	*Remarks & 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.	Supports with Exceptions	The Windows based GUI accessed through the VMware vSphere client does not offer total support of AT. The WEB based GUI accessed through the VMware VI Web Access Client does not offer total support for AT.
(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.	Supports	The Windows based GUI accessed through the VMware vSphere client allows use of screen magnification software. The Web- based GUI accessed through the VMware VI Web Access Client allows use of screen magnification software.
(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.	Supports	Hearing is not required.
(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.	Not Applicable	Audio is not present.
(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.	Supports	User speech is not required.

1194.31 Functional Performance Criteria

1194.31 Functional Performance Criteria, continued

Criteria	Supporting Features	Remarks & Explanations
(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.	Supports	Fine motor control is not required to use the application.

1194.31 Functional Performance Criteria, continued

1194.41 Information, Documentation and Support		
Criteria	*Supporting Features*	*Remarks & Explanations*
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supports	Upon request, product support documentation shall be made available in other printed or online formats that VMware has available at the time of the request, at no additional charge.
(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.	Supports	Upon request, product support documentation shall be made available in other printed or online formats that VMware has available at the time of the request, at no additional charge.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Support is available online and via telephone. Deaf or hard of hearing users can use the national relay service to converse with VMware representatives.