

Date: October 8, 2014

Name of Product: FLEX System Chassis Management Module 1.5 (GA4; 2PET12D)

## VPAT Summary

Criteria	Status	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Supports	Refer to Section 1194.21 in VPAT Details section below.
Section 1194.22 Web-based Internet information & applications	Supports	Refer to Section 1194.22 in VPAT Details section below.
Section 1194.23 Telecommunications Products	Not applicable	Not applicable
Section 1194.24 Video and Multi-media Products	Not applicable	Not applicable
Section 1194.25 Self-Contained, Closed Products	Not applicable	Not applicable
Section 1194.26 Desktop and Portable Computers	Not applicable	Not applicable
Section 1194.31 Functional Performance Criteria	Supports	Refer to Section 1194.31 in VPAT Details section below.
Section 1194.41 Information, Documentation, and Support	Supports	Refer to Section 1194.41 in VPAT Details section below.

## VPAT Details

### Section 1194.21 Software Applications and Operating Systems - Detail

Criteria	Supporting Features	Remarks and 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: A keyboard can be used to achieve all tasks in the application, allowing blind and mobility-impaired users to access information without the use of the mouse.	The following component meets this criterion:  - FLEX System Chassis Management Module 1.5 (GA4; 2PET12D): - IBM Flex System Chassis Management Module - Provides keyboard equivalents for actions. (with the aid of a screen reader if required).
(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.	Not applicable	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The WebUI does not interfere with the built in OS accessibility features. The WebUI is contained within the browser and doesn't interact in any way with the rest of the OS.
(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: When using the application with a keyboard, users can tell where they are on the screen and the information is available to assistive technologies to communicate screen location to visually impaired users.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Most of the WebUI controls are visually marked when they are selected for input. The screen reader (JAWs) speak the name/contents of a selected control.
(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: This software application allows a screen reader to describe the user interface environment and controls to a blind user. For example, if you tab through a form and find a radio button, the user would be able to determine it is a radio button and the current selection status of the button.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The CME WebUI uses the "alt" attribute on it's images. Important graphics (such as the System Status Graphical View) also use the "aria-describedby" attribute with provides additional information if required. Input controls use labels, images/icons use the "alt" attribute.
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images	Supports: The meaning assigned to images used in the application is consistent and	The following component meets this criterion:  - FLEX System Chassis Management Module:

Criteria	Supporting Features	Remarks and Explanations
shall be consistent throughout an application's performance.	unique, minimizing confusion of the context of use for those images.	- IBM Flex System Chassis Management Module - Input controls use labels, images/icons use the "alt" attribute.
(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: Text information is accessible so assistive technologies can communicate content, attributes and caret location to blind users.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The CMM CLI (Command Line Interface) provides text only. Does not provide access to APIs.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports: System settings are inherited by the application so that customized preferences will not need to be continually reset. For example, color contrast settings enhanced for a low vision user would be preserved by the application.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Supports system settings for high contrast for user interface controls and client area content. The font sizes are inherited from the browser environment.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supports: Application provides an option to display animation in a non-animated mode, allowing users with vision impairments equal access to the same information and reliable interaction with assistive technology.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Animated images (used for informing the user an action is in progress and he should wait until the action completes) are marked with the appropriate "alt" attribute.
(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: Color is used only as an enhancement, and an alternate means to convey information or indicate an action is available to users with visual impairments.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Visual enhancements are backed up by hidden accessibility marking used by assistive technologies.
(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 following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - There is no color customization on the CME WebU.
(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: The use of blinking text, objects or elements has been avoided, reducing risk of seizures for users with photosensitive epilepsy.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - There are no flashing/blinking elements.
(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: The application design allows assistive technology access to information, field elements, and functionality required to complete and submit forms.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The WebUI forms use labels and allow keyboard navigation using TAB/SHIFT+TAB. The forms are tested with screen reader JAWs and Firefox 11.0+.

## Section 1194.22 Web-based Internet information and applications - Detail

Criteria	Supporting Features	Remarks and Explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports: The application design provides text equivalents for all images so that assistive technology can describe those images to blind users.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Images have text alternatives.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - There are no audio/video, prerecorded audio/video, live multimedia in the the CME WebUI.
(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 used only as an enhancement, and an alternate means to convey information or indicate an action is available to users with visual	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Color cues (used on the system status graphical

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	impairments.	view to show component health) are also backed up by icons of different geometric shapes which in turn contain text makings.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not applicable	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The CME WebUI uses the Dojo toolkit javascript framework. The Dojo toolkit framework is accessible by itself and the cascading style sheets are an integral part of the framework.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - There are no image maps on the CME WebUI.
(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	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - There are no image maps on the CME WebUI.
(g) Row and column headers shall be identified for data tables.	Supports: The application is designed to identify row and column headers for blind users so the location and context of the table cell are clear and can be communicated by a screen reader.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Tables follow the CI 162 Accessibility guidelines and should be programmatically determined by assistive technologies.
(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.	Supports: Complex tables are designed with additional attributes for blind users so the location and context of the table cell are clear and can be communicated by a screen reader.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Tables follow the CI 162 Accessibility guidelines and should be programmatically determined by assistive technologies.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Supports: Meaningful text titles are used to describe the purpose of frames so blind users can easily navigate to the desired area.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The main frame of the CME WebUI has it's title set.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not applicable	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The CME WebUI does not contain any flashing content.
(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	The following component does not apply to this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - Most of the content in the CME WebUI is accessible, so there is no need for text-only pages. In addition the CMM also has a CLI (command line interface) UI for text-only.
(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 Assistive Technology.	Supports: Alternatives to scripting language are provided, allowing users access to the content via keyboard and assistive technology.	The following component meets this criterion:  - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The scripting content of the CME WebUI is accessible, but there are rare situations (for example a "Please wait..." message which is not read quickly enough by the screen reader) when non vital information might be omitted by assistive technologies. We do have an alternative method to retrieve the content, via the CMM CLI (command line interface).
(m) When a web page requires that an applet, plug-	Not applicable	The following component does not apply to this

Criteria	Supporting Features	Remarks and Explanations
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).		<p>criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul> <p>The CME WebUI does not contain any applets or non-html content.</p>
(n) 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.	<p>Supports:</p> <p>The application design allows assistive technology access to information, field elements, and functionality required to complete and submit forms.</p>	<p>The following component meets this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul> <p>Element labels can be programmatically determined by assistive technologies like screen reader JAWs.</p>
(o) A method shall be provided that permits users to skip repetitive navigation links.	<p>Supports:</p> <p>Web pages are designed so that repetitive navigation links can be skipping over, and blind users can navigate to the main content of the page more easily.</p>	<p>The following component meets this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul> <p>The CME WebUI provides a method for skipping the navigation area of the page. Using this method users will be able to focus on the content area of a page.</p>
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	<p>The following component does not apply to this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul> <p>The CME WebUI does not have any time limit restrictions.</p>

## Section 1194.31 Functional Performance - Detail

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.	<p>Supports:</p> <p>See the following for supporting features:</p> <ul style="list-style-type: none"> <li>- 1194.21 a, b, c, d, e, f, h, i, l</li> <li>- 1194.22 all</li> </ul>	<p>The following components meet this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul>
(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 what are visually impaired shall be provided.	<p>Supports:</p> <p>See the following for supporting features:</p> <ul style="list-style-type: none"> <li>- 1194.21 c, g, i, j, l</li> <li>- 1194.22 n</li> </ul>	<p>The following components meet this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul>
(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.	Not applicable	<p>The following components do not apply to this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul>
(d) Where audio information is important for the use of the 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	<p>The following components do not apply to this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul>
(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.	Not applicable	
(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.	<p>Supports:</p> <p>See the following for supporting features:</p> <ul style="list-style-type: none"> <li>- 1194.21 a, b</li> <li>- 1194.22 l, p</li> </ul>	<p>The following components meet this criterion:</p> <ul style="list-style-type: none"> <li>- FLEX System Chassis Management Module:</li> <li>- IBM Flex System Chassis Management Module</li> </ul>

## Section 1194.41 Information, Documentation, and Support - Detail

Criteria	Supporting Features	Remarks and Explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats	<p>Supports:</p> <p>Product support documentation is</p>	The following components meet this criterion:

Criteria	Supporting Features	Remarks and Explanations
upon request, at no additional charge.	provided in at least one accessible format.	<p>- FLEX System Chassis Management Module:  - IBM Flex System Chassis Management Module - Graphics have alt tags. The tables on the pages use the techniques in Section 508 guideline for accessible tables. A title and an accessible frame source are provided for each frame. Text-only pages are provided with equivalent information or functionality. Methods are provided for skipping links to get to the main content page.</p> <p>There are no client-side images maps, captions for prerecorded audio, captions for live multimedia, prerecorded audio or video, cascading style sheets, scripts, color, applets, plug-ins, and non-HTML content, response time limits, flashing content or flashing below the threshold on the pages.</p>
(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: Documentation includes a description of accessibility and compatibility features that make it easier for people with disabilities to use the product. Those descriptions are available in alternate formats upon request.	The following component meets this criterion: - FLEX System Chassis Management Module: - IBM Flex System Chassis Management Module - The documentation includes a section on the accessibility features of the product.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports: In addition to standard IBM help desk and support Web sites, IBM has established a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services.	

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