

Date: **October 8, 2014**

Name of Product: **FLEX System EN2092 1Gb Ethernet Scalable Switch**

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 with exceptions	Refer to Section 1194.22 in VPAT Details section below.
Section 1194.23 Telecommunications Products	Supports	Refer to Section 1194.23 in VPAT Details section below.
Section 1194.24 Video and Multi-media Products	Not applicable	Not applicable
Section 1194.25 Self-Contained, Closed Products	Supports	Refer to Section 1194.25 in VPAT Details section below.
Section 1194.26 Desktop and Portable Computers	Supports	Refer to Section 1194.26 in VPAT Details section below.
Section 1194.31 Functional Performance Criteria	Supports with exceptions	Refer to Section 1194.31 in VPAT Details section below.
Section 1194.41 Information, Documentation, and Support	Supports with exceptions	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: - IBM Networking Operating System 7.7: - Command Line Interface (CLI) - Provides a CLI that is only operable with a keyboard.
(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: Operating systems provide accessibility features that allow disabled users to customize their preferences. This application preserves those accessibility user preference settings. For example, if Sticky Keys option is selected by a mobility-impaired user, this option will continue to be activated when used with this application.	The following component meets this criterion: - IBM Networking Operating System: - CLI - Does not interfere with keyboard accessibility features provided by the operating system.
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - Does not apply to CLI applications.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System:

When an image represents a program element, the information conveyed by the image must also be available in text.		- CLI - Does not apply to CLI applications.
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - Does not apply to CLI applications.
(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: - IBM Networking Operating System: - CLI - Output is displayed in the command prompt window using standard text output 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: - IBM Networking Operating System: - CLI - High contrast settings are supported, as controlled by the operating system. Font, Size, and color settings are supported, as controlled by the operating system.
(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	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - Command line interfaces do not support animation.
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - The output is displayed in a single color text. Color is not used to convey information.
(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: - IBM Networking Operating System: - CLI - Color customization is not provided
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - No flashing or blinking text is used.
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - CLI - Does not apply to CLI applications.

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).	Does not support	The following component does not meet this criterion: - IBM Networking Operating System: - Web GUI - No text alternatives are provided.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI - There is no multimedia content.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Does not support	The following component does not meet this criterion: - IBM Networking Operating System: - Web GUI - No accessibility testing performed.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Does not support	The following component does not meet this criterion: - IBM Networking Operating System: - Web GUI - No accessibility testing performed.
(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: - IBM Networking Operating System: - Web GUI - No image maps are 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	The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI - No image maps are used.
(g) Row and column headers shall be identified for data tables.	Supports with exceptions	The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI - Testing not completed.
(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 with exceptions	The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI - Testing not completed.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Supports with exceptions	The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI - Testing not completed.
(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: - IBM Networking Operating System: - Web GUI - There is no 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	Does not support	The following component does not meet this criterion: - IBM Networking Operating System: - Web GUI - No text only pages

any other way. The content of the text-only page shall be updated whenever the primary page changes.		available.
(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.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI - No scripts are used.
(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	The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI - Applets, plugins, and other applications are not used.
(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.	Supports with exceptions	The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI - Testing not completed.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Does not support	The following component does not meet this criterion: - IBM Networking Operating System: - Web GUI - No accessibility testing performed..
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI - No time limits are used.

Section 1194.23 Telecommunications Products - Detail

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 voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not applicable	
(d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunication systems	Not applicable	

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.		
(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 receiver 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	
(i) Interface 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.	Not applicable	
(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 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.	Not applicable	
(k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.	Not applicable	The following component does not apply to this criterion: - FLEX System EN2092 - No keys.
(k)(2) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N)	Supports: Controls and latches can be reached and operated using one hand and require minimal dexterity for ease of use by mobility impaired users.	The following component meets this criterion: - FLEX System EN2092 - Pair of latches for installation and removal. Can be activated independently with one hand if necessary.

maximum		
(k)(3) Products which have mechanically operated controls or keys shall comply with the following: 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.	Not applicable	The following component does not apply to this criterion: - FLEX System EN2092 - No key repeat
(k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Not applicable	The following component does not apply to this criterion: - FLEX System EN2092 - No locking or toggle keys

Section 1194.25 Self-Contained, Closed Products - Detail

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.	Not applicable	
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	
(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).	Not applicable	
(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.	Not applicable	The following component does not apply to this criterion: - FLEX System EN2092 - No system sounds
(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.	Not applicable	

<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.</p>	<p>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.</p>	<p>The following component meets this criterion: - FLEX System EN2092 - No bi-color LEDs. High contrast labeling.</p>
<p>(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.</p>	<p>Not applicable</p>	
<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.</p>	<p>Not applicable</p>	
<p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>	<p>Not applicable</p>	

Criteria	Supporting Features	Remarks and Explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Supports: See 1194.23(k) 1 through 4.	The following component meets this criterion: - FLEX System EN2092 - Pair of latches for installation and removal. Can be activated independently with one hand if necessary.
(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	The following component does not apply to this criterion: - FLEX System EN2092 - No touch operated controls
(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	The following component does not apply to this criterion: - FLEX System EN2092 - No biometric identification
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.	Supports: The product design uses industry standard ports so that alternative equipment and assistive technologies can be accommodated.	The following component meets this criterion: - FLEX System EN2092 - Standard Mini-USB for serial connection, standard RJ-45 for 1 GB Ethernet Management Port

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.	Supports with exception: See the following for supporting features: - 1194.21 a, b, c, d, e, f, h, i, l - 1194.22 all - 1194.23 k1, k4 - 1194.25 a, b, c, e, f, g - 1194.26 b, d	The following components meet this criterion: - FLEX System EN2092 - IBM Networking Operating System: - CLI The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI
(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.	Supports with exception: See the following for supporting features: - 1194.21 c, g, i, j, l - 1194.22 n - 1194.25 h - 1194.26 d	The following components meet this criterion: - FLEX System EN2092 - IBM Networking Operating System: - CLI The following component meets this criterion with exceptions: - IBM Networking Operating System: - Web GUI

<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>Supports: See the following for supporting features: - 1194.22 b, m - 1194.23 k4 - 1194.25 e, f</p>	<p>The following component meets this criterion: - FLEX System EN2092</p> <p>The following components do not apply to this criterion: - IBM Networking Operating System: - CLI - Web GUI</p>
<p>(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.</p>	<p>Supports: See the following for supporting features: - 1194.23 k4 - 1194.25 e, f</p>	<p>The following component meets this criterion: - FLEX System EN2092</p> <p>The following components do not apply to this criterion: - IBM Networking Operating System: - CLI - Web GUI</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>Not applicable</p>	
<p>(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>	<p>Supports: See the following for supporting features: - 1194.21 a, b - 1194.22 l, p - 1194.23 k1, k2, k3 - 1194.25 b, j1, j2, j3, j4 - 1194.26 d</p>	<p>The following components meet this criterion: - FLEX System EN2092 - IBM Networking Operating System: - CLI</p> <p>The following component does not apply to this criterion: - IBM Networking Operating System: - Web GUI</p>

Section 1194.41 Information, Documentation, and Support - Detail

Criteria	Supporting Features	Remarks and Explanations
<p>(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.</p>	<p>Supports with exceptions</p>	<p>The following components meets his criterion with exceptions: - FLEX System EN2092 - Images have text alternatives or are described in the surrounding text. Only one form is used in the Info Center for feedback and it is</p>

		<p>compliant. Tables are coded to standards and relationships between cells can be programmatically determined. Web pages are readable without style sheets. Color is not used as the only means of conveying information. Content is not affected by scripting. Skip to main content is provided. Frames have titles and are accessible.</p> <p>The Content is PDF only - no html versions of the partner docs are in the InfoCenter.</p> <p>No image maps. No multimedia used. No time limits will be required for any user interaction with the product documentation. HTML versions of PDFs will be provided to allow for accessibility.</p> <p>- IBM Networking Operating System: - Switch Documentation in PDF - Testing has not been completed. No text alternative for all content. Descriptions of color-coded items needed. Can only define the language for the entire document.</p>
<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.</p>	<p>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.</p>	<p>The following components meets this criterion:</p> <p>- FLEX System EN2092 - Section in the information center covers accessibility.</p> <p>The following component does not apply to this criterion:</p> <p>- IBM Networking Operating System: - Switch Documentation in PDF</p>
<p>(c) Support services for products shall accommodate the communication needs of end-users with disabilities.</p>	<p>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.</p>	

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