VPAT for IBM SPSS Statistics Desktop, Developer 23.0

For a detailed description of the parent features and benefits, please refer to the following URL:

http://www-01.ibm.com/software/analytics/spss/products/statistics/

This VPAT covers the following products: 5725A54 - IBM SPSS Statistics Desktop

VPAT comments: 5725A58 - IBM SPSS Statistics Developer

The product's IBM Knowledge Center documentation is hosted in the IBM Knowledge Center - Hosted Edition service. To request the current accessibility status for the IBM Knowledge Center - Hosted Edition service, visit the IBM Product Accessibility information web page (https://www-

03.ibm.com/research/accessibility/requests/accvpat.nsf/bidxjs?OpenForm) and select the entry for IBM Knowledge Center - Hosted Edition.

VPAT Summary

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

VPAT Details

1194.21 Software Applications and Operating Systems

Criteria	Supporting Features	Remarks and Explanations
(a) When software is designed to run on	Supports with exceptions	
a system that has a keyboard, product	''	The following components do not
functions shall be executable from a		meet this criterion:
keyboard where the function itself or		 IBM SPSS Statistics Desktop
the result of performing a function can		Developer 23.0:
be discerned textually.		 Desktop and Developer
,		User Interfaces -
		Keyboard equivalents
		are provided for most
		actions. There are
		several operations that
		are difficult to perform
		without a mouse in
		both Charts and Mode
		Viewer. Specifically
		minor navigation
		limitations exist in
		Generalized Linear
		Mixed Model Viewer,
		Chart Templates and
		Table looks. The
		workaround for such
		issues is the use of
		Statistics syntax.
		Syntax provides
		alternative means of
		performing all
		statistical procedures
		and most other
		functions available in
		the user interface.
		With syntax users can
		apply customized
		looks, settings, and
		options automatically
		without needing to
		manually edit the
		charts and tables.
		The following components meet
		this criterion:
		IBM SPSS Statistics Desktop
		Developer 23.0:
		■ Installer: Console
		Install - Provides a
		command line
		interface which is only
		operable with a
		keyboard.
		WebSphere Application
		Server Liberty Core
		(embeddable only) 8.5.5:
		■ Command Line Tools,
		Utilities, and Scripts -
	ı	ounties, and sempts -

(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. (c) A well-defined on-screen indication | Supports: 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:

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.

- Provides a CLI that is operable with a keyboard only.
- The following components meet this criterion: Does not interfere with keyboard accessibility features provided by the operating system.
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Desktop and Developer User Interfaces
 - Installer: Console Install
 - WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
 - Command Line Tools, Utilities, and Scripts

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 components do not apply to this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Installer: Console Install - The user interface is implemented via commands only. There are no interactive objects.
 - WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
 - Command Line Tools, Utilities, and Scripts -This checkpoint does not apply to CLI applications. The user interface is implemented via commands only. There are no interactive objects.
- The following components meet this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Desktop and Developer User Interfaces - A visual focus indicator

(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.

- is provided that moves among interactive objects as the input focus changes and is programmatically exposed to assistive technology.
- The following components do not apply to this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Installer: Console
 Install The command
 line interface has no
 user interface
 objects. The command
 line interface has no
 controls, objects,
 icons, or images.
 - WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
 - Command Line Tools, Utilities, and Scripts -This checkpoint does not apply to CLI applications. The command line interface has no user interface objects. This checkpoint does not apply to CLI applications. The command line interface has no controls, objects, icons, or images.
- The following components meet this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Desktop and Developer
 User Interfaces Semantic information
 is provided about user
 interface
 objects. Labels are
 associated with
 controls, objects, icons
 and images. The
 meaning of images is
 consistent throughout

		the application.
(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: The meaning assigned to images used in the application is consistent and unique, minimizing confusion of the context of use for those images.	The following components do not apply to this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Installer: Console Install - The command line interface has no controls, objects, icons, or images. WebSphere Application Server Liberty Core (embeddable only) 8.5.5: Command Line Tools, Utilities, and Scripts - This checkpoint does not apply to CLI applications. The command line interface has no controls, objects, icons, or images. The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Desktop and Developer User Interfaces - Labels are associated with controls, objects, icons and images. The meaning of images is consistent throughout the application.
(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	The following components do not meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Desktop and Developer User Interfaces - Text is provided through standard system function calls or through an API (application programming interface) which supports interaction with assistive technology, except in

the following cases:
Output Viewer Table
names, Layered
Crosstabs and some
areas of static text in
the STEM Wizard.
One additional issue,
the Sort and Value
Droplist, require a 3rd
party resolution.

- The following components meet this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Installer: Console
 Install Output is
 displayed in the
 command prompt
 window using standard
 text output APIs.
 - WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
 - Command Line Tools, Utilities, and Scripts -Text is provided through standard system function calls or through API which supports interaction with assistive technology.

(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 components meet this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Desktop and Developer User Interfaces -System settings are inherited for font, size, and color for all elements of the user interface, if the Windows look-andfeel is selected on the Options dialog within the product, System settings. Systems settings are supported for high contrast for all user interface controls and client area

		content. Installer: Console Install - High contrast settings are supported, as controlled by the operating system. Font, size, and color settings are supported, as controlled by the operating system. WebSphere Application Server Liberty Core (embeddable only) 8.5.5: Command Line Tools, Utilities, and Scripts - 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 components do not apply to this criterion: IBM SPSS Statistics Desktop, Developer 23.0:
(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	The following components do not apply to this criterion: All output is displayed in a single color text. Color is not used to convey

	indicate an action is available to users with visual impairments.	information. IBM SPSS Statistics Desktop, Developer 23.0: Installer: Console Install WebSphere Application Server Liberty Core (embeddable only) 8.5.5: Command Line Tools, Utilities, and Scripts The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Desktop and Developer User Interfaces - Color is only used as an enhancement, not as the only way to convey information or indicate an action.
(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.	Supports: When color customization is supported, a variety of color selections and a range of contrast improves accessibility for users with vision impairments.	 The following components do not apply to this criterion: Color customization is not provided. IBM SPSS Statistics Desktop, Developer 23.0: Installer: Console Install WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
(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	 The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0:

	with photosensitive epilepsy.	 Desktop and Developer User Interfaces - Does 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. Installer: Console Install - No flashing or blinking text is used. WebSphere Application Server Liberty Core (embeddable only) 8.5.5: Command Line Tools,
(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 components do not apply to this criterion: IBM SPSS Statistics Desktop, Developer 23.0:

1194.22 Web-based Internet information and applications

Criteria	Supporting Features	Remarks and Explanations
(a) A text equivalent for every non-text	Supports:	
element shall be provided (e.g., via		The following components meet

"alt", "longdesc", or in element content).	The application design provides text equivalents for all images so that assistive technology can describe those images to blind users.	this criterion: • IBM Information Center 3.6.2, 3.6.2.1: • Core Framework User Interface - All non-text content that is presented to the user has a text alternative that serves the equivalent purpose.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	 The following components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - No prerecorded audio. No time-based media or prerecorded video. No live 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 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 components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports: Web page content is readable without the use of a pre-defined style sheet, allowing low vision users to enable their own style sheets that enhance their viewing preferences.	The following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - This application relies on CSS in order to render properly and be usable. However, the application provides equivalent facilitation for low-vision users by utilizing the user's system display

		settings, including high contrast mode. Users may also control the font sizes using the device or browser settings.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	 The following components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - No image maps.
(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 components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - No image maps.
(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 components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Table cells and relationships between cells can be programmatically determined.
(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 components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Table cells and relationships between cells can be programmatically determined.
(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 following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1:

	each frame.
Supports: The use of blinking text, objects or elements has been avoided, reducing risk of seizures for users with photosensitive epilepsy.	 The following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Web pages do not contain anything that flashes more than three times in any one second period.
	 The following components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Already accessible. Text-only page not required.
Supports: Alternatives to scripting language are provided, allowing users access to the content via keyboard and assistive technology.	 The following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Scripts are keyboard accessible. If the content affected by scripting is not accessible, an alternative is provided.
S	 The following components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - No applets, plug-ins, or non-HTML content.
1	The use of blinking text, objects or elements has been avoided, reducing risk of seizures for users with photosensitive epilepsy. Not Applicable Supports: Alternatives to scripting language are provided, allowing users access to the content via keyboard and assistive technology.

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.	The application design allows assistive technology access to information, field elements, and functionality required to complete and submit forms.	The following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Form element labels can be programmatically determined. Note: This product uses WAI-ARIA to comply with this checkpoint. WAI-ARIA has been supported since Firefox 3.6 and JAWS 12.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports: 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.	The following components meet this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - Methods are provided for skipping over navigation links to get to main content of page. Note: This product uses WAI-ARIA to comply with this checkpoint. WAI-ARIA has been supported since Firefox 3.6 and JAWS 12.
(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 components do not apply to this criterion: IBM Information Center 3.6.2, 3.6.2.1: Core Framework User Interface - No time limits.

1194.31 Functional Performance Criteria

Criteria	Supporting Features	Remarks and Explanations
(a) At least one mode of operation and	Supports with exceptions	

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.	See the following for supporting features: - 1194.21 a, b, c, d, e, f, h, i, 1 - 1194.22 all - 1194.23 k1, k4 - 1194.24 d - 1194.25 a, b, c, e, f, g - 1194.26 b, d	 The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0:
(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: 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: IBM SPSS Statistics Desktop, Developer 23.0: Desktop and Developer User Interfaces Installer: Console Install WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
(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: See the following for other supporting features: - 1194.22 b, m - 1194.23 k4 - 1194.24 c - 1194.25 e, f	 The following components do not apply to this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Installer: Console Install

		3.6.2, 3.6.2.1: Core Framework User Interface The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0: Desktop and Developer User Interfaces
(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	 The following components do not apply to this criterion: IBM SPSS Statistics Desktop, Developer 23.0:
(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	This is not a speech product.
(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 with exceptions 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	 The following components meet this criterion: IBM SPSS Statistics Desktop, Developer 23.0:

this criterion with exceptions:

- IBM SPSS Statistics Desktop, Developer 23.0:
 - Desktop and Developer User Interfaces

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.	Supporting Features Supports with exceptions	■ The following components meet this criterion: ■ WebSphere Application Server Liberty Core (embeddable only) 8.5.5: ■ Readmes, Licenses, and configuration files - All documents are text only. All files are text only, therefore they are typically black text on white background unless the user has specified other colors and contrasts using Operating System options. Support high contrast mode. When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined. Meaningful sequence is maintained, e.g., steps in procedures, ordered lists, ability to read tables in an ordered fashion. There are no forms to submit. There is no flashing content. All documents are text only. No documents have an excessive length. ■ IBM Information Center

3.6.2, 3.6.2.1:

Core Framework Documentation -Already accessible. Text-only page not required. All non-text content that is presented to the user has a text alternative that serves the equivalent purpose. No image maps. No prerecorded audio. No time-based media or prerecorded video. No live multimedia. Form element labels can be programmatically determined. Note: This product uses WAI-ARIA to comply with this checkpoint. WAI-ARIA has been supported since Firefox 3.6 and JAWS 12. Table cells and relationships between cells can be programmatically determined. Web pages are readable without requiring style sheets. Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. Scripts are keyboard accessible. If the content affected by scripting is not accessible, an alternative is provided. No applets, plug-ins, or non-HTML content. No time limits. Web pages do not contain anything that flashes more than three times in any one second period. Methods are

provided for skipping over navigation links to get to main content of page. Note: This product uses WAI-ARIA to comply with this checkpoint. WAI-ARIA has been supported since Firefox 3.6 and JAWS 12. A title and an accessible frame source are provided for each frame.

- The following components meet this criterion with exceptions:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Product Documentation - All non-text elements in the documentation contain figure captions by default. Figure captions are converted to alt text in the Help. There are no image maps in the documentation. There is no multimedia content in the documentation. No form elements are used in the documentation. Table cells and relationships between cells can be programmatically determined. Web pages are readable without requiring style sheets. Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. There are no scripts in the documentation. There are no applets, plugins, or non-HTML content used in the documentation. There

are no time limits in the documentation. Web pages do not contain anything that flashes more than three times in any one second period. The documentation contains only content pages and a navigation page; there are no common blocks of content. Therefore, it is considered accurate that methods are provided for skipping over navigation links to get to main content of page. Note: This product uses WAI-ARIA to comply with this checkpoint. WAI-ARIA has been supported since Firefox 3.6 and JAWS 12. A title and an accessible frame source are provided for each frame. A textonly page can not provide equivalent functionality for a Web application and is not provided.

(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 components meet this criterion:
 - IBM SPSS Statistics Desktop, Developer 23.0:
 - Product Documentation
 Documentation is provided on using all accessibility features including keyboard.
 - WebSphere Application Server Liberty Core (embeddable only) 8.5.5:
 - Readmes, Licenses, and configuration files
 All documents are text only. There are no special accessibilty

		features included that require documentation. IBM Information Center 3.6.2, 3.6.2.1: Core Framework Documentation - Documentation is provided on all accessibility features including keyboard access.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	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. 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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