

Adaptive Server Enterprise

Only the new portions of ASE GUIs were 508 tested for 15.0.3. The following 508 information includes the 15.0.2 testing and any new information found in testing the new additions to 15.0.3.

Product Version: 15.0.3

Operating System Platforms Evaluated: Windows XP SP2 32 bit

Product Version: 15.0.2

Operating System Platforms Evaluated: Solaris 9 and Windows 2000

Sybase Adaptive Server Enterprise (ASE) is a powerful data management platform for high performance business applications.

Administration of ASE and application development with ASE is mostly accomplished through keyboard commands without requiring graphical interfaces. Some GUI utilities do exist to provide alternative methods of operations, and these GUI components are the ones evaluated under Section 508 Accessibility Guidelines, applying section 1194.21 for Software Applications and Operating Systems.

Client products designed to access ASE are shipped along with the ASE package on a separate CD called PC-Client. This client product set is for running on the Windows Operating System only and consists of libraries and GUI products. Libraries have no user interfaces for evaluation. GUI components on PC Client CD are evaluated.

InstallShield, a graphical interface for installing all components, is evaluated as a whole for the GUI installation process. Sybase Central, a graphical administration utility, is similarly evaluated as a whole.

ASE Server CD – GUI Utilities

InstallShield (install and uninstall), Sybase Central, Sybmigrate, ASECFG, Syconfig, Srvbuild, Sqlloc, sybhelp, Sqlupgrade, dsedit, and dbisql were evaluated.

Section 1194.21 Software Applications and Operating Systems - Detail Voluntary Product Accessibility Template		
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.	Supported with exceptions: While keyboard navigation is provided in all ASE GUI components, some objects cannot be selected, displayed, or used through the keyboard.	<ul style="list-style-type: none"> • Sybase Central: During keyboard navigation, toolbar icons are inaccessible and login values cannot be increased. • Syconfig: During keyboard navigation, the Enter and Tab keys are not fully supported in some dialogs (in some instances the Space bar can be used in place of Enter). • Migration Tool, ASEP, and srvbuild: Keyboard is not fully supported for navigation and object selection. • Job scheduler and Self management configs in srvbuild do not have Mnemonic Keys
(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.	Fully supported: ASE GUI tools do not disrupt or disable any accessibility features of the operating system. ASE fully supports operating system accessibility features including StickyKeys, FilterKeys, MouseKeys, High Contrast and more. The Microsoft Windows magnifier application is available to magnify dialog text.	

**Section 1194.21 Software Applications and Operating Systems - Detail
Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and 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.	Fully supported: Visual on-screen focus and tracking are provided throughout all the components	
(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.	Fully supported: Text is associated with each element and all images have associated text descriptions in ASE GUI utilities	
(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.	Fully supported: Standard and consistent images are utilized throughout ASE GUI utilities	
(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.	Supported with minor exceptions: Operating system settings for text content, caret location, and text attributes are used by nearly all GUI components.	<ul style="list-style-type: none"> • dsedit (on Windows): Changes in system font size not fully supported.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Fully supported: ASE GUI tools support system-wide color settings as identified in the operating system display properties.	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Fully supported: ASE GUI tools support all animation with non-animated modes	
(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.	Fully supported: ASE GUI tools do not use color-coding to convey any information.	

**Section 1194.21 Software Applications and Operating Systems - Detail
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Criteria	Supporting Features	Remarks and explanations
(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.	Fully supported: ASE GUI tools support operating system settings for high contrast color schemes that make the screen easier to view for some users by heightening screen contrast with alternate color combinations.	
(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.	Fully supported: ASE GUI tools do not use flashing or blinking objects or text that falls within this frequency range.	
(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.	Supported with minor exceptions: Electronic forms (dialogs) in ASE GUI tools support all accessibility features with minor exceptions.	<ul style="list-style-type: none"> • InstallShield and syconfig: MS Narrator will not read aloud certain elements of windows, including static text.

PC Client CD – GUI Utilities

InstallShield (install and uninstall), Sybase Central, InfoMaker, dsedit, dbisql, PowerDesigner, and PowerTransfer were evaluated.

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Criteria	Supporting Features	Remarks and explanations
<p>(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.</p>	<p>Supported with exceptions: While keyboard navigation is provided in all PC Client GUI components, some objects cannot be selected, displayed, or used through the keyboard.</p>	<ul style="list-style-type: none"> • InstallShield: Keyboard navigation supported with minor exceptions • Sybase Central: During keyboard navigation, toolbar icons are inaccessible and login values cannot be increased. • dsedit: Server name navigation not supported through the keyboard. • InfoMaker & PowerDesigner: During keyboard navigation, focus may not always be returned to the original window after accepting error or pop-up windows.
<p>(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.</p>	<p>Fully supported: PC Client GUI tools do not disrupt or disable any accessibility features of the operating system. ASE fully supports operating system accessibility features including StickyKeys, FilterKeys, MouseKeys, High Contrast and more. The Microsoft Windows magnifier application is available to magnify dialog text.</p>	
<p>(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.</p>	<p>Fully supported: Visual on-screen focus and tracking are provided throughout all the components</p>	

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Criteria	Supporting Features	Remarks and explanations
(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.	Fully supported: Text is associated with each element and all images have associated text descriptions for noted PC Client tools	
(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.	Fully supported: Standard and consistent images are utilized throughout PC Client tools	
(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.	Supported with exceptions: Most Operating system settings for text content, caret location, and text attributes are supported by all PC Client tools.	<ul style="list-style-type: none"> • InfoMaker: Menus do not support changes in system font size. • Sybase Central & dbisql: Changing system font sizes may disrupt Sybase Central's or dbisql's ability to connect to ASE.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Fully supported: PC Client GUI tools support system-wide color settings as identified in the operating system display properties.	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Fully supported: PC Client GUI tools support all animation with non-animated modes	
(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.	Fully supported: PC Client GUI tools do not use color-coding to convey any information.	

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Criteria	Supporting Features	Remarks and explanations
<p>(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.</p>	<p>Fully supported: PC Client tools do not permit the user to adjust color and contrast settings. These client tools do support operating system settings for high contrast color schemes that make the screen easier to view for some users by heightening screen contrast with alternate color combinations.</p>	
<p>(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.</p>	<p>Fully supported: PC Client tools do not use flashing or blinking objects or text that falls within this frequency range.</p>	
<p>(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.</p>	<p>Supported with minor exceptions: Electronic forms (dialogs) in PC Client tools support all accessibility features with minor exceptions.</p>	<ul style="list-style-type: none"> • InstallShield, dbisql, and dbisql Plan Viewer: MS Narrator will not read aloud certain elements of windows, including static text.

Adaptive Server Enterprise Documentation

Criteria	Supporting Features	Remarks and explanations
Section 1194.41 (a) Product Support Documentation	<p>Supported with minor exceptions: Documentation in HTML format is provided on the Web at: http://sybooks.sybase.com/nav/base.do. Documentation is available on CD by request to Customer Support.</p>	<ul style="list-style-type: none"> Image descriptions and table navigation aids.
Section 1194.41 (b) Accessibility and Compatibility Features	<p>Fully supported: Sybase ASE documentation includes information about accessibility features, including keyboard shortcuts for Sybase Central and Interactive SQL.</p>	
Section 1194.41 (c) Support Services	<p>Fully supported: The Sybase Technical Support group offers a variety of services including Technical Documents, White Papers, Product Manuals, Newsgroups, online Software Problem Case Management, Change Requests and Maintenance Release Downloads. For information on these and other support services, visit the Sybase Technical Support web site at http://www.sybase.com/support. For information on TTY phones and accessible support services, see: http://www.sybase.com/accessibility</p>	