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Product Name:

Quest SQL Optimizer for SQL Server

Product Version:

10.1.2

Contact for more information:

<http://www.quest.com/legal/section-508.aspx>

Summary Table

Criteria	Supporting Features	Remarks and explanations
Section 1194.21: Software Applications and Operating Systems	Supported. Please refer to the attached VPAT	
Section 1194.22: Web-based internet information and applications		QSOSS is not considered a Web-based product.
Section 1194.23: Telecommunications Products		QSOSS is not considered a telecommunications product.
Section 1194.24: Video and Multi-media Products		QSOSS does not use multimedia.
Section 1194.25: Self-Contained, Closed Products		QSOSS is not a self-contained, closed product.
Section 1194.26: Desktop and Portable Computers		QSOSS is software as defined under section 1194.21.
Section 1194.31: Functional Performance Criteria	Supported. Please refer to the attached VPAT.	
Section 1194.41: Information, Documentation and Support	Supported. Please refer to the attached VPAT.	

Section 1194.21 Software applications and operating systems

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.	<p>Partially supported with exceptions:</p> <p>All functions in the QSOSS are included in the popup menus of the application. User can use keyboard to show the popup menus in most part of the application.</p>	<p>Some areas of QSOSS do not support keyboard navigation properly, and users cannot navigate / focus on them by keyboard.</p> <p>The following areas in QSOSS do not support showing the popup menus by using keyboard:</p> <ol style="list-style-type: none"> 1. All docking windows in Optimize SQL, Optimize Indexes, Scan SQL, Find SQL and Manage Plan Guides modules. 2. All grids heading in Optimize SQL, Optimize Indexes, Scan SQL, Find SQL and Manage Plan Guides modules. 3. Hyperlinks shown in Optimize Indexes module home page. 4. Task tree view in Scan SQL module. 5. "My Servers" view in Find SQL home page. 6. Hyperlinks and its pop up in Find SQL "Add Plan Cache Search" dialog. 7. Top N pop up in Find SQL "Resource Consumption" chart. 8. Hyperlinks shown in Find SQL Search Result page.
(b.i) 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.	<p>Supported:</p> <p>QSOSS 10.1.2 supports most accessibility settings of other products and in no case disrupts or disables any of their accessibility features.</p>	
(b.ii) 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>Supported:</p> <p>QSOSS 10.1.2 supports most accessibility settings of the operating system and in no case disrupts or disables any accessibility features of the operating system.</p>	
(c.i) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes	<p>Supported with minor exception:</p>	<p>Some of the icon images, that show popup hints when user mouse over on it, do not support well focus indication when user using keyboard</p>

Criteria	Supporting Features	Remarks and explanations
	QSOSS 10.1.2 supports the on-screen indication of the current focus	
(c.ii) The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	<p>Supported:</p> <p>QSOSS 10.1.2 supports technologies that make computer programs more accessible to people who use Assistive Technology.</p> <p>QSOSS 10.1.2 fully supports Windows Appearance Properties to provide visual on-screen focus and tracking throughout.</p>	
(d.i) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology.	<p>Supported:</p> <p>QSOSS 10.1.2 supports technologies that make computer programs more accessible to people who use Assistive Technology.</p> <p>All the User Interface elements include menu bars, toolbars, check boxes, grids, SQL text editors, tree list, buttons, etc, all have named as their identity and provide various properties for their states and operations.</p>	
(d.ii) When an image represents a program element, the information conveyed by the image must also be available in text.	<p>Supported:</p> <p>The information conveyed by the images in the application is also available in texts.</p>	
(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.	<p>Supported:</p> <p>QSOSS 10.1.2 images that assigned consistent meanings throughout the application, except minor exceptions..</p>	<p>The following buttons uses images that are already used in other buttons with different meaning assigned.</p> <p>Buttons Caption (Hints) - Meaning in other buttons of application</p> <p>Optimize SQL module</p> <p>"Create Session"(Create a new SQL Rewrite or Plan Control session lab) - Implies "Scan SQL from" and "Add Scanner Job" in Scan SQL module.</p> <p>Scan SQL module</p> <p>"Scanner" node (root node in Task tree view) – Implies "Search" in Search Bar</p>
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text	<p>Supported:</p>	

Criteria	Supporting Features	Remarks and explanations
content, text input caret location, and text attributes.	QSOSS 10.1.2 provides textual information through standard operating system functions for displaying texts in all cases.	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	<p>Partially Supported with exceptions:</p> <p>QSOSS 10.1.2 supports the Cursor Options properties set in OS.</p> <p>QSOSS 10.1.2 only supports large font settings of Microsoft Window in all title bars, docking windows bars, toolbars, and in some dialogs.</p>	<p>QSOSS 10.1.2 does not supports the High Contrast settings in the following areas:</p> <p>Application Headers (including modules selection tabs, Connection, Options, and Help, Support Bundles, Abort Window)</p> <p>Most part in all modules, except SQL Text editor.</p>
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	<p>Supported:</p> <p>QSOSS 10.1.2 allows user to show animated execution plan steps (right-click Execution Plan and select Animate Plan Steps). To disable the animated presentation mode, user can uncheck the popup menu Animate Plan Steps.</p>	
(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.	<p>Supported:</p> <p>QSOSS 10.1.2 does not use color coding as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p>	<p>Exception appeared in the Optimize SQL Module → Alternatives docking window → Comparison graphs in the grid:</p> <p>The comparison graphs use colors to distinguish the improvement performance of the execution results, but do not provide any other means (texts) to describe the graphs.</p> <p>Here are the meanings for the comparison bar colors:</p> <p>Orange: Original SQL Grey: No improvement Green: Best improvement Blue: Scenario with improvement.</p> <p>Exception appeared in the Find SQL Module → SQL details, Database Object Details and Batch SQL Details</p> <p>Here is the meaning for the green color: highlight the SQL text in Batches or Database Objects.</p> <p>Exception appeared in the Find SQL Module → Search Result, Resource Consumption, SQL Classification.</p>

Criteria	Supporting Features	Remarks and explanations
		<p>For Resource Consumption:</p> <p>Blue color: Percentage for SQL Statement. Dark green color: Percentage for Batches; Brown color: Percentage for Database Objects.</p> <p>For SQL Classification: Red color: Problematic SQL Green color: Simple SQL Blue color: Complex SQL Purple color: Invalid SQL</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>Supported:</p> <p>QSOSS 10.1.2 permits users to adjust colors and contrast settings for the following areas:</p> <p>Execution Plan (Options → General → Execution Plan).</p> <p>Optimize Indexes module → Search Process → Search Process Graph's Search Goal lines</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>Not applicable:</p> <p>QSOSS 10.1.2 does not use flashing or blinking objects or text in any portion of the application interface.</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>Not applicable:</p> <p>QSOSS 10.1.2 does not use any electronic forms.</p>	

Section 1194.22 Web-based internet information and 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).	
b)	Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	
c)	Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	
d)	Documents shall be organized so they are readable without requiring an associated style sheet.	
e)	Redundant text links shall be provided for each active region of a server-side image map.	
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.	
g)	Row and column headers shall be identified for data tables.	
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.	
i)	Frames shall be titled with text that facilitates frame identification and navigation	
j)	Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	
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.	
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.	
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).	

Criteria	Supporting Features	Remarks and explanations
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.	
o)	A method shall be provided that permits users to skip repetitive navigation links.	
(p)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	

Section 1194.23 Telecommunications products

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.	
(b)	Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	
(c)	Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	
(d)	Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems 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.	
(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.	
(g)	If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.	
(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.	
(i)	Interference 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.	
(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 a 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.	
(k.i)	Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys	

Criteria	Supporting Features	Remarks and explanations
		shall be tactilely discernible without activating the controls or keys.
(k.ii)	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) maximum.	
(k.iii)	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.	
(k.iv)	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.	

Section 1194.24 Video and multimedia products

Criteria	Supporting Features	Remarks and explanations
(a)	All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As QSOSSn as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.	
(b)	Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	
(c)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.	
(d)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.	
(e)	Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	

Section 1194.25 Self-contained, closed products

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.	
(b)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	
(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).	
(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.	
(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.	
(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.	
(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.	
(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.	
(i)	Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	
(j.i)	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.	
(j.ii)	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	

Criteria	Supporting Features	Remarks and explanations
		shall be 54 inches maximum and 15 inches minimum above the floor.
(j.iii)	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.	
(j.iv)	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.	

Section 1194.26 Desktop and portable computers

Criteria	Supporting Features	Remarks and explanations
(a)	All mechanically operated controls and keys shall comply with §1194.23 (k.i) through (iv).	
(b)	If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k.i) through (iv).	
(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.	
(d)	Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.	

Section 1194.31 Functional performance criteria

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>Supported:</p> <p>QSOSS 10.1.2 supports technologies that make computer programs more accessible to people who use Assistive Technology.</p> <p>Commonly-used Assistive Technology may be used with QSOSS 10.1.2 Users of AT should contact their AT vendor to assess the compatibility of their product</p> <p>QSOSS 10.1.2 supports the Microsoft Windows accessibility features also assists people who are visually impaired to use the QSOSS: the Magnifier is available to magnify text, and the Narrator provides text-to-speech functionality for users as a basic screen readers.</p>	
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	<p>Supported:</p> <p>QSOSS 10.1.2 supports technologies that make computer programs more accessible to people who use Assistive Technology.</p> <p>QSOSS 10.1.2 supports the Microsoft Windows accessibility features also assists people who are visually impaired to use the QSOSS: the Magnifier is available to magnify text, and the Narrator provides text-to-speech functionality for users as a basic screen readers.</p> <p>QSOSS 10.1.2 supports large fonts of the Microsoft Windows settings in all title bars, docking windows bars, toolbars, and in some</p>	

Criteria	Supporting Features	Remarks and explanations
		dialogs. Users can reads rest of the unsupported large font areas by using the Magnifier of the Microsoft Windows accessibility features.
(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>QSOSS 10.1.2 does not require user hearing for access to any application functionality.</p> <p>QSOSS 10.1.2 does not use any form of audio cues.</p>
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Not applicable:	QSOSS 10.1.2 does not require user hearing for access to any application functionality.
(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:	QSOSS 10.1.2 does not require speech recognition.
(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.	Supported	

Section 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	Supported	Online help is currently available in Microsoft HTML Help format and in PDF format upon request. Other product documentation is available in PDF format. With a special documentation license, our products support accessibility software that converts .PDF files into speech for the visually challenged.
(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.	Supported	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	Quest's Support Services is familiar with such features as keyboard access and other options important to people with disabilities. For technical assistance in the United States, you can contact Quest Support Services on a text telephone at (800) 306-9329 between 5:00 A.M. and 5:00 P.M. Pacific Time, Monday through Friday, excluding holidays.

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