

CSPid Section 508 Compliance

Date: 5-26-2009

Company: Information Security Corporation

Product Name: CSPid for Windows

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Company and Product Overview

Information Security Corporation (ISC) is a leading supplier of cryptographic solutions to the Federal Government. ISC's CSPid application provides a virtual smart card to users.

CSPid is a virtual smartcard that maintains a central repository for X.509 certificates and private keys. It provides a secure environment for cryptographic operations that nearly all security-enabled applications can access via Java, PKCS#11, or Microsoft CAPI. It is available for, and compatible between, all desktop versions of Windows, Linux/x86, and Solaris/SPARC.

Section 508 and the Voluntary Product Accessibility Template

Section 508 of the Rehabilitation Act specifies minimum accessibility levels for electronic and information technology products procured by the Federal agencies. The present document consists of a Voluntary Product Accessibility Template (VPAT) describing accessibility features in CSPid for Windows. This VPAT is intended to assist Federal contracting officials in making a preliminary assessment regarding the compliance of CSPid for Windows with the Section 508 accessibility standards. This document also includes ISC contact information to facilitate more detailed inquiries.

The first table below provides a summary view of Section 508 Standards. The following tables provide more detailed views of each applicable subsection of the law. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the Standards. The second column describes the supporting features of the product or refers you to the corresponding detailed table, "e.g., equivalent facilitation." The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains lettered paragraphs for each subsection of the law. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

NOTE: The accessibility statements in this VPAT apply to the CSPid for Windows software itself, not to applications that users might use in conjunction with CSPid. Since CSPid integrates with any application, no claims can be made as to the compliance in conjunction with those applications within Section 508 guidelines. Thus "support for Section 508 guidelines" means here that the CSPid software, when used with the aid of assistive devices, substantially meets the accessibility criteria established by Section 508.

Testing Methodology and Other Assumptions

In reading this VPAT, please keep in mind the following comments:

1. Testing was completed by sampling the most commonly-used features of CSPid for Windows.
2. As Section 508 guidelines do not specify a particular screen reading tool, accessibility testing for CSPid was completed using Thunder screen reader for Windows.
3. As Section 508 guidelines do not specify the environments to be supported by a compliant product, accessibility testing for CSPid was performed on a Windows XP system.
4. It is assumed that the user of this product is knowledgeable in the use of screen reading software and can fluently operate their Windows desktop and its standard applications. The user's machine is assumed to be properly configured to support the particular screen reading tool and has been regularly updated to the latest technology and software releases. A product is deemed to support screen reading technology if each of its text elements and other interface objects can be selected and read by that technology.
5. Section 508 guidelines do not specify what third-party applications must be on a machine to determine if the product under evaluation disrupts or disables existing system features. Our evaluation findings only reflect testing completed with selected Microsoft applications and the Thunder screen reading software.

VPAT

Summary Table Voluntary Product Accessibility Template		
Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems		Completed; see details below
Section 1194.22 Web-based Internet Information and Applications	-	Not applicable
Section 1194.23 Telecommunications Products	-	Not applicable
Section 1194.24 Video and Multi-media Products	-	Not applicable
Section 1194.25 Self-Contained, Closed Products	-	Not applicable
Section 1194.26 Desktop and Portable Computers	-	Not applicable
Section 1194.31 Functional Performance Criteria		Completed; see details below
Section 1194.41 Information, Documentation and Support		Completed; see details below

**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.	Keyboard navigation is provided for all menu commands in the CSPid user interface.	In combination with a screen reader, all functions can be executed through keyboard navigation.
(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.	Testing of CSPid indicates that the product will not disrupt or disable accessibility features of other products or elements of the Windows 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.	CSPid provides onscreen indication of current focus that moves among interactive interface elements as the input focus changes.	
(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.	CSPid fully supports this guideline to the level of testing undertaken.	
(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.	The CSPid user interface consistently uses bitmap images to identify controls, status indicators, and other programmatic elements.	
(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.	The CSPid user interface consistently uses standard Windows controls for displaying and inputting text.	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	CSPid does not override user-selected contrast and color settings when they are available in the operating system.	CSPid automatically adopts the current Windows theme, styles, and appearance settings.
(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.	CSPid does not use 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.	The CSPid user interface does not use color as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	
(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.	CSPid does not provide a means for the user to adjust color and contrast settings.

(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.	The CSPid user interface does not use flashing or blinking text, objects or other elements in the software's user interface.	
(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.	CSPid does not use electronic forms.

Section 1194.31 Functional Performance Criteria - Detail Voluntary Product Accessibility Template		
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.	CSPid supports this guideline to the level of testing undertaken.	
(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.	CSPid fully supports this guideline to the level of testing undertaken.	
(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	CSPid does not require user hearing in order to operate the software.	
(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.	CSPid does not require user hearing in order to operate the software.	
(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.	CSPid does not require user speech in order to operate the software.	
(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.	Keyboard navigation is provided for all commands in CSPid.	

Section 1194.41 Information, Documentation and Support - Detail
Voluntary Product Accessibility Template

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	CSPid documentation can be made available in alternate formats upon request at no additional charge.	Standard documentation is available as a .pdf but can be made available in other formats upon request.
(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.	Descriptions of accessibility and compatibility features can be made available in alternate formats upon request at no additional charge.	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	ISC's support services for CSPid will accommodate the needs of end-users with disabilities.	Support services include both e-mail and phone based technical support.