

Section 1194.21 Software Applications and Operating Systems – Detail

VPAT™

Voluntary Product Accessibility Template®

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 minor exceptions</p>	<p>Windows 7 follows standard conventions for navigating around the user interface from the keyboard. For instances where the keyboard interface is not intuitive (for example, by using the Tab, Enter, or Escape key or the arrow keys), the keyboard interface is documented in the online help.</p> <p>Users can adjust the way Windows responds to mouse or keyboard input so that key combinations are easier to press, typing is easier, and inadvertent key presses are ignored. For more information, see Make the keyboard easier to use.</p> <p>Please note the following minor exceptions:</p> <p>Drawing on the canvas of the Paint program is not possible through keyboard-only navigation.</p> <p>In Explorer windows, the user can use the System menu (ALT+SPACEBAR) to resize the window. However, there is no keyboard method to resize individual panes (such as the navigation pane or the preview pane) or columns.</p> <p>Certain applications using the list view control do not expose a keyboard-only navigation mechanism for the user to change the sort-order or sort-by-column of the list view.</p> <p>The XPS Viewer does not expose a mechanism for the user to activate a hyperlink through keyboard-only navigation. The hyperlink information is exposed programmatically to assistive technologies.</p> <p>The icons on the taskbar cannot be arranged through keyboard-only navigation unless the user closes all applications and restarts them in the desired order.</p> <p>The Color Selection control in the Paint ribbon does not support keyboard navigation, and does not expose programmatically its state or selected color. The Paint application provides additional user interfaces (buttons in Paint's ribbon) which allow the user to change the color through keyboard navigation.</p>
<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>Supported</p>	<p>There are no known instances of Windows 7 applications or individual features that disable or disrupt the operation of the Windows accessibility features.</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>Supported with minor exceptions</p>	<p>Programmatic and visual focus can be determined in all themes and color schemes. For improved visual appearance, the Ease of Access Center allows the user to increase the thickness of the focus rectangle and the cursor. The built-in magnifier provides the capabilities to track the location of the currently focused item.</p> <p>There is one minor note of interest:</p> <p>When locking a machine (after pressing CTRL+ALT+DELETE) the keyboard-focus rectangle may be difficult to see, due to low contrast between the color of the focus rectangle and the colors of the background images. The Windows OEM Preinstallation Kits (OPK) and Windows Automated Installation Kit (WAIK) document how users can change the background image to one of their choice that could improve the contrast ratio. There are also third-party applications that allow a user to change the background of the logon screen.</p> <p>Please note the following minor exception: When an FTP protocol is used in Windows Explorer to access files, the FTP Protocol dialog for changing Read/Write/Execute properties does not specify individual names for the checkboxes, making it difficult for a user to determine which checkbox has currently the focus.</p>
<p>(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.</p>	<p>Supported with minor exceptions</p>	<p>Windows 7 includes multiple improvements in the Windows Automation Application Programming Interface (API), which will enable more powerful accessibility solutions to be created for the platform. The Windows Automation API includes improved performance and features of User Interface (UI) Automation, increased interoperability between the Microsoft Active Accessibility (MSAA), and support for W3C Accessible Rich Internet Applications Specification. Please refer to the Windows Automation API: Overview site for additional information.</p> <p>User interface information is available programmatically to assistive technology vendors through Microsoft Active Accessibility, User Interface Automation, and other publicly available APIs. Graphics are also accompanied by explanatory text throughout the UI, when the graphic's sole purpose is not branding or secondary background information (such as desktop wallpaper).</p> <p>Please note the following minor exceptions:</p> <p>When User Account Control is modified from its default settings, such that consent or credential UI is displayed on the interactive desktop rather than the secure desktop, some controls will be inaccessible through Microsoft Active Accessibility. The solution to this is to accept UAC's default behavior of displaying that UI on the secure desktop.</p> <p>The Windows Media Center user interface does not support the Microsoft Active Accessibility API for determining the accessible object by specifying screen position. The assistive technology vendors who need this information can obtain it through alternative means, for example by traversing the accessible tree.</p> <p>Some expandable buttons in Credentials Manager and Action Center do not consistently expose their state, thus requiring the user to determine whether they are expanded or collapsed from the context</p>
<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>	<p>Supported</p>	<p>Windows 7 consistently uses icons, graphics, status indicators, and other visuals to give feedback to the user and to indicate what actions can be taken.</p>

(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	Textual information is available programmatically to assistive technology vendors through Microsoft Active Accessibility, User Interface Automation, and other publicly available APIs. Please note the following minor exceptions: In Windows Media Player, the dialog New Auto Playlist does not expose textually certain details on configuring criteria for the playlists. The graph chart in the Reliability Monitor exposes the information textually in a non-standard way, which may confuse certain assistive technologies.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported with minor exceptions	Windows 7 provides and follows settings for customizing specific color selections and display attributes, with the following minor exceptions: Some gadgets may have low contrast between the text and the background color in certain high-contrast modes. The Tablet PC calibration tool includes text that will be invisible in certain high-contrast modes. The user should first read the instructions in normal mode or high-contrast White, or calibrate the monitor in one of these two modes. The speech recognition tutorial does not switch colors in high-contrast modes, however the tutorial is not required to be completed by a user to use Windows speech recognition and an alternate means to train the speech system is available to the user. Basic operating information concerning speech commanding and dictation are also available in the help system. Launching the Memory Diagnostics tool in high-contrast does not use the appropriate colors, making some texts invisible. Switching back and forth to that same high-contrast mode while the tool is running fixes the problem. In Windows Media Player, hover preview does not work in high-contrast mode. The user can preview songs through other WMP mechanisms. Windows Media Center does not use the Windows-wide settings for high-contrast mode. Instead it defines two independent high-contrast modes which are consistently supported across all Windows Media Center UI surfaces. Due to their non-standard visual nature, the games do not support the standard high-contrast modes. Instead, they provide a mechanism for the user to change their appearances and colors.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supported	Windows 7 consistently uses icons, graphics, status indicators, and other visuals to give feedback to the user and to indicate what actions can be taken. Animation is not relied upon as the sole means of communicating concepts in the user interface or documentation.
(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.	Supported	Windows 7 consistently uses icons, graphics, status indicators, and other visuals to give feedback to the user and to indicate what actions can be taken. Color coding is not relied upon as the sole means of communicating concepts in the user interface or documentation.
(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.	Supported	
(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.	Supported	Flashing and blinking in Windows 7 visual surfaces respect the prescribed frequency range. As in Windows Vista, the Ease of Access center allows the user to change the rate of blinking of the system caret.
(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	

Section 1194.26 Desktop and Portable Computers – Detail

VPAT™

Voluntary Product Accessibility Template®

Criteria	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Supported	All keys are separated and raised. Keys can be operated with one hand and the maximum force is 500 gram to operating the keys. Win7 operating system supports key repeat function and please refers to operating system VPAT. Win7 operating system supports an audible tone for turn on/off CTRL& Fn key. Please refer to operating system PVAT.
(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).	Supported	This can be supported by using external USB/PS2 keyboard
(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.	(Supported)	Supports alternative way to identification or activation. (biometric form or input password)
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards	Supported	All I/O ports comply with industrial standard.

Section 1194.31 Functional Performance Criteria – Detail

VPAT™

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.	Supported	Windows operating system supports voice command which allows user to open or close windows application by audible command. It is compatible with third party application which supports screen reader function.

(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.	Supported	Compatible with Windows operating system or third party application which provide this kind of feature.
(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	Supported	Win 7 operating system does not require the use audio alert and the product supports headphone jack for user who are deaf or hard of hearing to connect their assistive device.
(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.	Supported	The information on Win 7 operating system is available visually
(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.	Supported	The product does not require user speech.
(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	Win7 operating system provides accessibility features.

Section 1194.41 Information, Documentation and Support – Detail

VPAT™

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	Supported.	
(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.	