



## Voluntary Product Evaluation Template (VPAT)

**Date: January 20, 2009**

**Name of Product: Harvest Laboratory Information System**

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**Summary Table**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b> |
|---|----------------------------|---------------------------------|
| Section 1194.21 <a href="#">Software Applications and Operating Systems</a>     | Applicable                 | Lab Information System          |
| Section 1194.22 <a href="#">Web-based internet information and applications</a> | Not applicable             |                                 |
| Section 1194.23 <a href="#">Telecommunications Products</a>                     | Not applicable             |                                 |
| Section 1194.24 <a href="#">Video and Multi-media Products</a>                  | Not applicable             |                                 |
| Section 1194.25 <a href="#">Self-Contained, Closed Products</a>                 | Not applicable             |                                 |
| Section 1194.26 <a href="#">Desktop and Portable Computers</a>                  | Not applicable             |                                 |
| Section 1194.31 <a href="#">Functional Performance Criteria</a>                 | Applicable                 | Lab Information System          |
| Section 1194.41 <a href="#">Information, documentation, and support.</a>        | Applicable                 | Lab Information System          |

**Section 1194.21 Software Applications and Operating Systems**  
Refer to ( <http://www.access-board.gov/sec508/guide/1194.21.htm> )  
for details on the guidelines listed below.

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>   |
|--|----------------------------|---|
| (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.   | Supports                   | Harvest LIS supports all standard keyboard operation of the user interface.   |
| (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. | Unknown                    | It is expected that Harvest LIS should not interfere because it uses ordinary system calls; however, it has never been tested to comply with assistive technology features. |
| (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.   | Supports                   | A visual focus indicator that moves among interactive objects is provided within Harvest LIS.   |
| (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                   | Harvest LIS utilizes alt-tags and/or text to identify all visual elements within 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                   | Labels and text menus are associated with each functional control that is identified by consistent bitmap images within Harvest LIS.  |

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| <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.</p> | <p>Supports</p>                 | <p>Harvest LIS utilizes standard operating system calls to display textual information.</p>  |
| <p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>  | <p>Supports</p>                 | <p>Harvest LIS settings for font size, color, and for all user interface controls are inherited from the operating system's settings.</p>  |
| <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>   | <p>N/A</p>                      | <p>Harvest LIS does not utilize animation in its application.</p>  |
| <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>  | <p>Supports with exceptions</p> | <p>Harvest LIS is equipped to utilize several methods to indicate specific actions or distinction of a visual element in most of the application. However, there are areas within the application for reimbursement screening that utilize ONLY color to delineate differences in diagnosis codes. While those codes are only displayed in color and no other identification, if a diagnosis code is RED (for invalid), an ABN form will immediately display to the user within the application. This is an alternative method for identifying an invalid diagnosis code. Additionally, printed reports DO offer alternative methods of displaying colored text, i.e. bold, underline and italics.</p> |
| <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>N/A With exceptions</p>      | <p>Harvest LIS inherits color and contrast settings from the Operating System; however, Harvest LIS does provided the ability to customize the backdrop of the application with a color or graphic.</p>  |

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| (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.   | N/A      | Harvest LIS does not utilize flashing or blinking text within the 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. | Supports | Harvest LIS's data entry screens have been tested with the Windows Vista Narrator tool and the data fields and their descriptions do appear to narrate in the order that they appear on the screen. |

**Section 1194.31 Functional Performance Criteria**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>   |
|---|----------------------------|---|
| (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.  | Supports                   | Harvest LIS uses standard calls from operating system. The application has been successfully tested with the Windows Vista magnifier tool providing support for people who are visually impaired.     |
| (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. | Supports                   | Harvest LIS does support the use of assistive technology tools. The application has been successfully tested with the Windows Vista magnifier tool providing support for visually impaired operators. |
| (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                   | The standard use of Harvest LIS does not require operator hearing in order to be functional.  |
| (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.  | N/A                        | Harvest LIS does not require operator hearing in order to be functional.  |
| (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.   | Supports                   | The standard use of Harvest LIS information retrieval processes do 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.   | Supports                   | Every function within Harvest LIS can be accessed using the keyboard only. Harvest LIS also supports the use of sticky keys and no application commands require more than two keys at one time.       |

**Section 1194.41 Information, documentation, and support**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>   |
|---|----------------------------|---|
| (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.   | Supports                   | Orchard Software provides all user documentation in printed and digital format and will be provided in any necessary alternate format at no additional cost if needed. Additionally, the Harvest LIS Online Help file is an independent application that supports the use of a screen reader. |
| (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                   | Orchard Software will provide access to a description of the accessibility and compatibility features upon request at no additional charge.   |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities.   | Supports                   | Orchard Software technical support services, training services, and training facilities are fully equipped to accommodate the communication needs of end-users with disabilities.   |