## Voluntary Product Accessibility Template (VPAT)

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| **Name of Product** | **Evolve Shell VPAT** |
| **Date** | **April 3, 2017** |
| Completed by | Ted Gies, (Elsevier Labs, Dayton) |
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| **Testing Tools and Methods** | **Hands-on keyboard operationFirebug/Code inspectionJAWS 11, JAWS 15 on Mozilla Firefox 29 and MS IE 9 on Windows 7Open Ajax Alliance (OAA) side barWave toolbar** |
| **Guidelines Used to Complete this VPAT** | **SSA guide to filling out a VPAT:**<http://www.socialsecurity.gov/accessibility/files/SSA_guide_to_completeing_the_voluntary_product_accessibility_template.pdf>Webaim.org Section 508 checklist:<http://webaim.org/standards/508/checklist>Jim Thatcher’s online course on Section 508 Guidelines:<http://jimthatcher.com/webcoursec.htm>The W3C WCAG 2.0 scripting techniques used to guide the scripting section:<http://www.w3.org/TR/WCAG20-SCRIPT-TECHS/client-side-script.html>Elsevier Accessibility Checklist:<http://romeo.elsevier.com/accessibility_checklist/> |
| **Pages Covered** | Content Home, Grades, Course Orientation, Module Home Page, Test Pages, Course Calendar |

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| Applicable Sections |
| Section | Supporting Features | Remarks  |
| Section 1194.21 [Software Applications and Operating Systems](#_Section_1194.21_)  | Supports:B, E, F, GSupports with minor exceptions: A, C, D, I, LNot applicable:H, J, K | a) Nearly all UI elements and controls are accessible with the keyboard. b) Evolve should not interrupt any APIs/operating system (OS) functions.c) Most elements have some form of visible focus, although it is a default focus given by the browser. Most elements follow a logical tab order.d) Evolve communicates most of its interface and navigation to Assistive Technology. e) Evolve uses several background and static images that identify as controls or UI elements, and they are consistent throughout the website.f) Users with screen readers can access all textual information.g) Evolve will not interfere with any contrast settings, magnification settings or keyboard sensitivity settings set by the OS.h) Evolve does not use any videos or animation.i) Most elements do not use color coding as the only means of conveying information.j) Not applicablek) Not applicablel) Most forms are accessible, have proper labels and instructions, and are easily submitted. |
| Section 1194.22 [Web-based Internet Information and Applications](#_Section_1194.22_)  | Supports: D, K, M, PSupports with exceptions: A, C, G, L, N, ODoes not support:INot applicable: B, E, F, H, J | a) Many images and icons used have associated text equivalents.b) Evolve does not have any videos or synchronized media.c) Most elements do not use color coding as the only means of conveying information.d) Evolve uses external style sheets instead of inline styles.e) Not applicablef) Not applicableg) Most tables on the site use appropriate row and column headers.h) Not applicablei) The frame reviewed does not have a title attribute.j) Not applicablek) Evolve does not have any primary functionality that warrants a separate text-only page.l) Many parts of the UI and displayed content utilize JavaScript. The information supplied by these scripts is mostly available and conveyed to Assistive Technology.m) Evolve does not require any plugins or applications on the client system in order to use the core features.n) Most forms are accessible, have proper labels and instructions, and are easily submitted.o) Headings exist on most pages, which allow AT users to jump to the different areas of content quickly. No specific "skip link" exists.p) Timed responses exist, but time limits are provided beforehand, and extending the time limit would invalidate the activity. |
| 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](#_Section_1194.31_)  | Supports:B, CSupports with minor exceptions: A, FNot applicable: D, E  | A) Evolve is a website that uses HTML, CSS, and JavaScript. HTML and JavaScript are both supported by screen readers such as JAWS and by Braille displays. The UI itself uses standard HTML controls such as links, buttons, and form controls which are all identifiable by screen readers. A few exceptions concerning alt text exist.B) All content and controls should be compatible with screen enlargement software and with built-in browser zoom functionality.C) All functionality in the interface is usable without requiring hearing.D) Not applicableE) Not applicableF) Nearly all of Evolve's controls and links are keyboard operable, except for a few items defined in 1194.21 (A). |
| Section 1194.41 [Information, Documentation and Support](#_Section_1194.41_) | Supports:A, CSupports with exceptions:B | A) Support documentation is available in a variety of formats including HTML, image, and video tutorials.B) This VPAT is the only description of the accessibility and compatibility features of the product.C) A contact page is provided for users to contact Evolve directly through email, phone, or live chat. |

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| Legend |
| **Not Applicable** | Supports, or Supports with assistive technology | Supports with exceptions | Does not support |

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| Section 1194.21 Software Applications and Operating Systems |
| Criteria  | Supporting Features | Remarks  |
| (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 with exceptions | Most elements are accessible by keyboard.Exceptions:* Tooltips under "Course Content" and 'Padlock' icon do not appear for keyboard-only users on the Content Home page.
* In a Course Orientation lesson, users should not be able to tab to non-interactive elements.
* Nearly all of the "Glossary" lightbox in a Course Orientation lesson.
* On a Course Calendar page, all of the calendar's controls.
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| (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. | Supports | Evolve does not have features that would interfere with standard API features of an OS including the MSAA (Microsoft Active Accessibility).  |
| (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 with exceptions | Elements have some form of visible focus, although it is a default focus given by the browser. Most of the site has a logical tab order.Exceptions:* On the Test Pages, "Submit" and "Save Answers" lightboxes do not restrict focus.
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| (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 with exceptions | Evolve communicates most of its interface and navigation to Assistive Technology. Exceptions:* The left navigation on the Content Home and similar pages does not communicate that parts of the navigation are expandable.
* Buttons to launch the new window such as Begin Assessment and Make Another Attempt to not indicate a new browser window will launch.
* The text that displays in Evolve after launching a Skills window does is not announced to assistive technology as an alert. For example the text: “The lesson will automatically open in a separate window. Please do not close this window until you have finished using the lesson.”
* The popups such as “Problem Saving Grade” messages are not displayed in a way that alerts AT users.
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| (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 | Evolve uses several background and static images that identify as controls or UI elements, and they are consistent throughout the website. |
| (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. | Supports  | Users with screen readers can access all textual information. |
| (g) Applications shall not override user selected contrast and color selections and other individual display attributes. | Supports | Evolve will not interfere with any contrast settings, magnification settings or keyboard sensitivity settings set by the OS. |
| (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 | Evolve does not use any videos or 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. | Supports with exceptions | Evolve does not use color coding to convey most information.Exceptions:* On the Test Pages, whether a user's answer was correct or if the specific answer was correct is designated through color coding.
* On a Course Calendar page, different types of events are color coded.
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| (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 | Evolve does not offer any options 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. | Not applicable | Evolve does not have any flashing or blinking texts or objects. |
| (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 with exceptions | Most forms are accessible, have proper labels and instructions, and are easily submitted.Exceptions:* A blue bar allows for chapter navigation. The dropdown that allows for chapter selection does not have a label. Additionally, the "Enter Search" placeholder input does not constitute a proper label.
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| Section 1194.22 Web-based Internet information and applications |
| Criteria  | Supporting Features | Remarks  |
| (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content). | Supports with exceptions | Many images and icons used have associated text equivalents.Exceptions:* In a Course Orientation lesson, several images are missing alt attributes. Additionally, images that are not decorative need alt text that describes everything in the image.
* The folder, link, and document icons on the Content Home page and Module Homepage do not have alt text.
* A blue bar allows for chapter navigation. There is a Table of Contents image with the alt text "TOC". The alt text for this should be "Table of Contents" instead. Additionally, to the left of the TOC image, there is another image that displays nothing, but the alt text is alt="|". The alt text for this should be alt="".
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| (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation. | Not Applicable | Evolve does not have any videos or synchronized media. |
| (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup. | Supports with exceptions | Evolve does not use color coding to convey most information.Exceptions:* On the Test Pages, whether a user's answer was correct or if the specific answer was correct is designated through color coding.
* On a Course Calendar page, different types of events are color coded.
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| (d) Documents shall be organized so they are readable without requiring an associated style sheet. | Supports | Evolve uses external style sheets instead of inline styles. |
| (e) Redundant text links shall be provided for each active region of a server-side image map. | Not applicable | Evolve does not have any server-side image maps. |
| (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. | Not applicable | Evolve does not have any client-side image maps. |
| (g) Row and column headers shall be identified for data tables. | Supports with exceptions | Most tables on the site use appropriate row and column headers.Exception:* In a Course Orientation lesson, the data table needs defined row table headers.
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| (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. | Not applicable | Data tables on the site do not have two or more logical levels of row or column headers. |
| (i) Frames shall be titled with text that facilitates frame identification and navigation | Does not support | All hosted content uses iframes which are not titled. |
| (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz. | Not applicable | Evolve does not use any images that flash, blink or flicker.  |
| (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. | Supports | Evolve does not have any primary functionality that warrants a separate text-only page.  |
| (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. | Supports with exceptions | Many parts of the UI and displayed content utilize JavaScript. The information supplied by these scripts is mostly available and conveyed to Assistive Technology.Exceptions:* There is a blue bar that allows for chapter navigation. If a user has reached the first or last chapter, the next or previous chapter buttons disappear, but are not removed from the tab order. JavaScript should be used to remove any keyboard functionality from these elements.
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| (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).  | Supports | Evolve does not require any plugins or applications on the client system in order to use the core features. |
| (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.  | Supports with exceptions | Most forms are accessible, have proper labels and instructions, and are easily submitted.Exceptions:* A blue bar allows for chapter navigation. The dropdown that allows for chapter selection does not have a label. Additionally, the "Enter Search" placeholder input does not constitute a proper label.
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| (o) A method shall be provided that permits users to skip repetitive navigation links.  | Supports with exceptions | Headings exist on most pages, which allow users using Assistive Technology to jump to the different areas of content quickly.There is no specific "skip link" on any pages however. |
| (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.  | Supports | Test pages exist which can have required timed responses and the time limit is provided beforehand. Extending the time limit would invalidate the test. |

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| Section 1194.31 Functional Performance Criteria |
| Criteria | Supporting Features | Remarks |
| (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 with exceptions | Evolve is a website that uses HTML, CSS, and JavaScript. HTML and JavaScript are both supported by screen readers such as JAWS and by Braille displays.The UI itself primarily uses standard HTML controls such as links, buttons, and form controls which are all identifiable by screen readers. A few instances of images used as UI controls exist, the concerns of which are described in 1194.22 (A).The exceptions to the vision requirement include a few items concerning alternative text as described in 1194.22 (A). |
| (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 | Evolve uses HTML and text for its content as well as independent CSS for formatting to allow users to apply their own style sheets.OS features such as Windows 7 Magnifier are compatible with the Evolve application.Other browser controls such as Mozilla Firefox Zoom-In feature will work with Evolve.Evolve is usable with screen magnification software such as ZoomText. |
| (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 | Evolve does not require user hearing to operate any application or functionality. Product support is provided through telephone, email, ticket submission, or live chat. |
| (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 | There are no circumstances where audio information is important for use of the product. |
| (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 | Evolve does not require any speech input for operation. |
| (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 with exceptions | Nearly all of Evolve's controls and links are keyboard operable, except for a few items defined in 1194.21 (A).Users may use their browser text enlarging tool to enlarge controls for easier clickability.Label tags have been applied to small controls such as checkboxes and radio buttons in some places to allow for easier selection with a mouse. |

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| Section 1194.41 Information, documentation, and support |
| Criteria | Supporting Features | Remarks |
| (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge. | Supports | Evolve provides support documentation with HTML text instructions, accompanying images and video. A help link exists in the header and footer for easy access.  |
| (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 with exceptions | This VPAT is the only description of the accessibility and compatibility features of the product. |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities. | Supports | Evolve provides a searchable Q&A database where users can ask additional questions or peruse the already asked questions.A contact page is also provided for users to contact Evolve directly through email, phone, or live chat. |

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