

**Green CulturED
Voluntary Product Accessibility Template**

§ 1194.22 – Web-based Intranet and Internet Information and Applications

§ 1194.31 – Functional Performance Criteria

§1194.41 – Information, Documentation and Support

Overview

The information contained within this Voluntary Product Accessibility Template (VPAT) is the result of a third-party performing an audit. The audit tested the compliance of Green CulturED web application against the applicable requirements of Section 508 of the Rehabilitation Act of 1973 as Amended 1998¹.

The testing methodology performed included extensive manual testing techniques, such as keyboard-only testing, color contrast evaluation, and testing using the high contrast setting for users who have low vision. It also included assistive technology testing with JAWS 18.0 (Windows) and VoiceOver (Mac OS X), which are both screen reading software used by people who are blind.

The purpose of the VPAT is to assist Federal contracting officials in making preliminary assessments regarding the availability of commercial electronic and information technology products and services with features that support accessibility. It is assumed that offerors will provide additional contact information to facilitate more detailed inquiries.

The first table of the report provides a summary view of the Section 508 Standards. The subsequent tables provide more detailed views of each subsection. 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 the lettered paragraphs of the subsections. 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.

§1194.22 – Web-based Intranet and Internet Information and Applications

§1194.31 Functional Performance Criteria

§1194.41 – Information, Documentation and Support



Compliance Summary

Criteria	Supported
Section 1194.22 Web-based Intranet and Internet Information and Applications	Supports with Exceptions
Section 1194.31 Functional Performance Criteria	Supports with Exceptions
Section 1194.41 Information, Documentation, and Support	Applicable – Not Tested

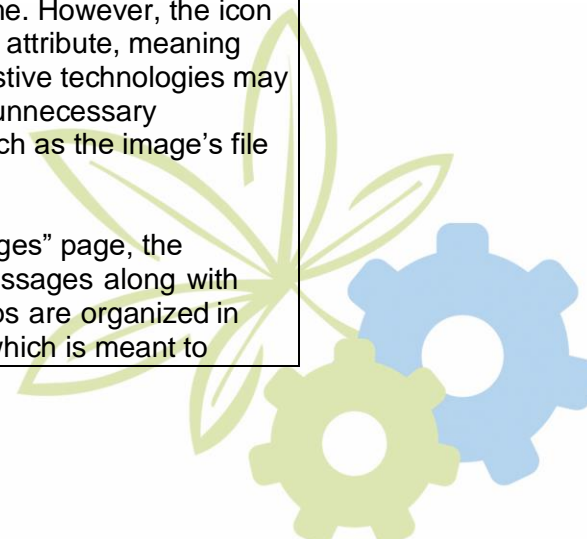
Support Levels

Support Level	Description
Supports	The application fully meets the letter and intent of the Criteria.
Supports with Exceptions/Minor Exceptions	The application does not fully meet the letter and intent of the Criteria but provides some level of access relative to the Criteria.
Supports through Equivalent Facilitation	The application provides an alternate way to meet the intent of the Criteria.
Supports when Combined with Compatible AT	The application fully meets the letter and intent of the Criteria when used in combination with compatible ATs.
Does Not Support	The application does not meet the letter or intent of the Criteria.
Not Applicable	The Criteria does not apply.
Not Applicable - Fundamental Alteration Exception Applies	A Fundamental Alteration of the application is required to meet the Criteria.
Applicable – Not Tested	The Standard is applicable but was not tested.

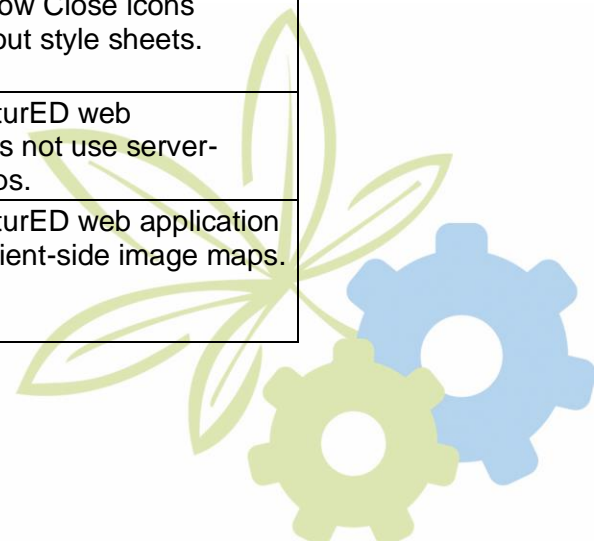


§ 1194.22 Web-based Intranet and Internet Information and Applications

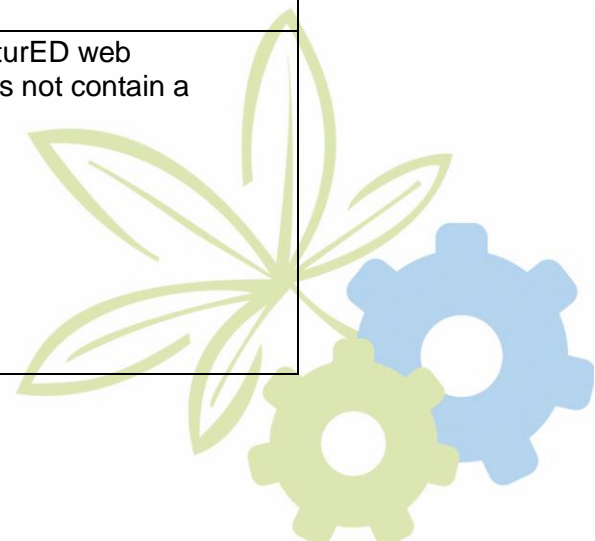
Criteria	Support Level	Remarks and Explanations
<p>(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).</p>	<p>Supports with Exceptions</p>	<p>The Green CulturED web application generally provides text equivalents for most non-text elements.</p> <p>A rating of Supports with Exceptions has been given for the following reasons:</p> <p>Content creators can add images to quizzes, assignments and other content items, which must either be described or marked as decorative. When an image has been marked decorative by a content creator, it is given a blank alt attribute, excluding it from Assistive Technology's view of the page.</p> <p>"View Full/View Summary" switch control on an assignment's grading page has not been assigned a role.</p> <p>The "Search Options" link has an image which indicates whether it is expanded or collapsed, which is unlabeled.</p> <p>The icon to reveal the "Admin" tree (only available when the logged-in user has administrative privileges) is contained within a link which has an accessible name. However, the icon itself has no alt attribute, meaning that some assistive technologies may still announce unnecessary information, such as the image's file path.</p> <p>On the "Messages" page, the contents of messages along with their timestamps are organized in two columns, which is meant to</p>



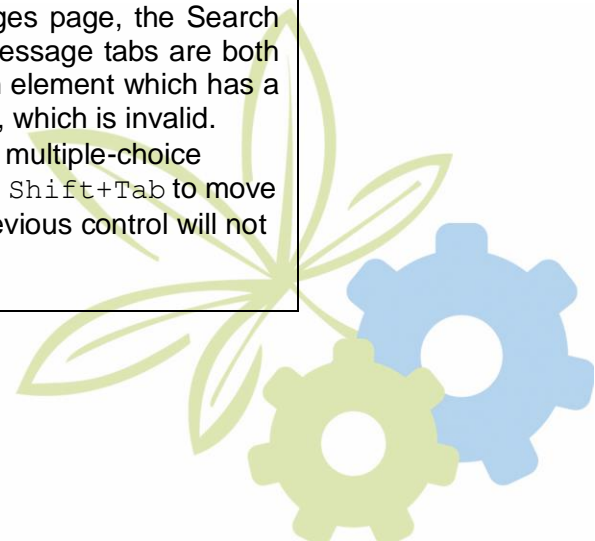
Criteria	Support Level	Remarks and Explanations
		<p>convey that messages in each column originate from a different sender.</p> <p>When the "Insert Media" modal is first opened, the "Link" tab is active, however no information is provided to indicate this accessibly; the state of "expanded" is only provided to active tabs once the tab has been activated by the user.</p>
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Supports	<p>The Green CulturED web application does not contain multimedia presentations.</p> <p>Note that it is the responsibility of the authors posting multimedia presentations in the Green CulturED web application to ensure that the presentation content is accessible.</p>
(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	The Green CulturED web application does not exclusively use color to convey information.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports with Minor Exceptions	<p>The Green CulturED web application is readable, for the most part, without requiring an associated style sheet. However, a rating of Supports with Minor Exceptions has been given for the following reason:</p> <p>The CSS background images Previous and Next associated with the calendars, the Admin icon, and the dialog window Close icons disappear without style sheets.</p>
(e) Redundant text links shall be provided for each active region of a server-side image map.	Supports	The Green CulturED web application does not use 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	Supports	The Green CulturED web application does not use client-side image maps.



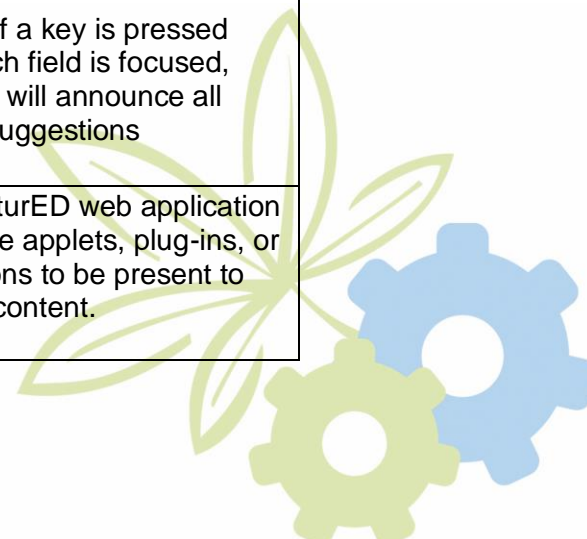
Criteria	Support Level	Remarks and Explanations
with an available geometric shape.		
(g) Row and column headers shall be identified for data tables.	Supports with Minor Exceptions	<p>The Green CulturED web application data tables contain table header cells that are correctly identified.</p> <p>However, a rating of Supports with Minor Exceptions has been given for the following reasons:</p> <p>The table header cells on the Grades View page are not properly associated with the data cells.</p> <p>Column headers on the Edit Question Bank page are left blank.</p>
(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.	Supports with Minor Exceptions	<p>The Green CulturED web application does use appropriate markup for most complex data tables. However, a rating of Supports with Minor Exceptions has been given for the following reason:</p> <p>The survey example table contains a header for the entire group of columns but identifies itself as the header of a single column.</p>
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports	The Green CulturED web application does not contain frame elements.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	The Green CulturED web application does not cause the page 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.	Supports	The Green CulturED web application does not contain a text-only page.



Criteria	Support Level	Remarks and Explanations
<p>(I) 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.</p>	<p>Supports with Major Exceptions</p>	<p>Scripts in the Green CulturED web application display content and create interface elements that contain functional text that is read by assistive technologies in most cases.</p> <p>However, there are issues with support of some JavaScript-based controls, which resulted in a rating of Supports with Major Exceptions. They are as follows:</p> <p>The Search widget on all of the course pages has several issues: the text field portion of the widget has a <code>role</code> of "list box", an ARIA attribute is set to map the text field to the list of possible search results even when none are available, and the widget does not indicate whether it is expanded or collapsed accessibly.</p> <p>The element that contains a course item exposes an expanded state, which is invalid.</p> <p>On the Calendar page, the headings for the "Events Key" and "Month View" sections have the same id, giving both sections identical labels.</p> <p>Questions in the example quiz have additional information about each answer which can only be accessed by mouse users.</p> <p>On the Messages page, the Search controls and Message tabs are both contained in an element which has a <code>role</code> of tab list, which is invalid. When editing a multiple-choice question, using <code>Shift+Tab</code> to move focus to the previous control will not work.</p>

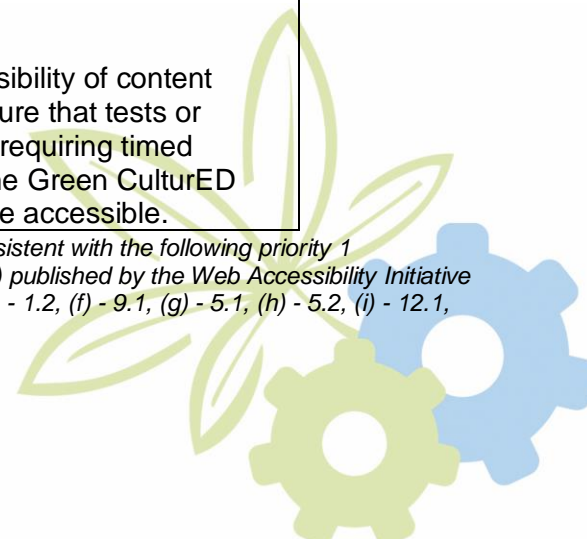


Criteria	Support Level	Remarks and Explanations
		<p>Focus is forcibly shifted to the top of the page after a user toggles the state of the button which controls the 'Complete' state for a course item.</p> <p>The "Use Advanced Editor" button in the teacher forum has a 'Pressed' state, which is invalid.</p> <p>The lightboxes which appear when a link for a video or audio item are opened (such as "Example MP4 movie, Example MP3 audio file") appear at the bottom of page content.</p> <p>There is no visual indication of keyboard focus for the following elements:</p> <ul style="list-style-type: none"> • The Course Reports, Accessibility Testing Course, and Dashboard drop downs. • The "Mark as Complete" buttons on a course's page • The 'Show Only New' checkbox • The 'Close' button to dismiss the 'Logout/Courses' menu • The 'Display Description on Course Page' checkbox and 'Change Cover Image' button • Any checkbox on the Grading page • The 'Mark as Complete' button <p>In the Search, if a key is pressed while the Search field is focused, screen readers will announce all available autosuggestions contiguously.</p>
(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	Supports	The Green CulturED web application does not require applets, plug-ins, or other applications to be present to interpret page content.



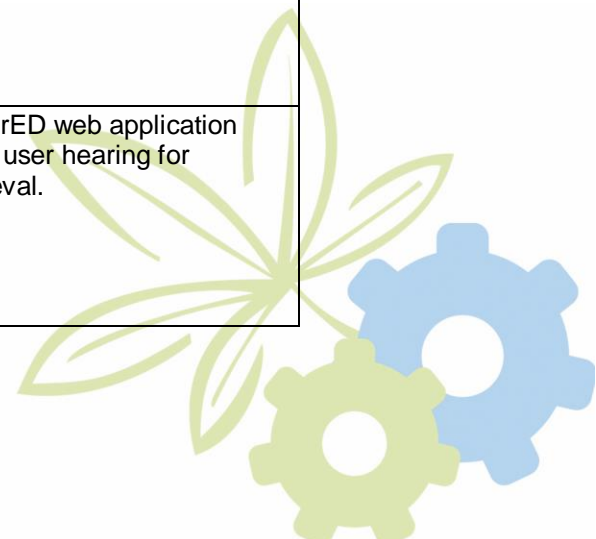
Criteria	Support Level	Remarks and Explanations
link to a plug-in or applet that complies with §1194.21(a) through (l).		
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports with Exceptions	<p>The Green CulturED web application provides access to information necessary for people using assistive technologies to complete form fields.</p> <p>However, a rating of Supports with Minor Exceptions has been given for the following reasons:</p> <p>Groups of controls on the Grading and Edit Quiz pages do not use fieldset/caption elements. The Search edit field, which appears on course content pages, uses a placeholder in lieu of a visual label.</p>
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports with Minor Exceptions	<p>The Green CulturED web application provides methods for skipping repetitive links.</p> <p>A rating of Supports with Minor Exceptions has been given for the following reason:</p> <p>The "skip to main content" link on the landing page does not work.</p>
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports with Exceptions	<p>The Green CulturED web application allows instructors to create timed quizzes that provide students enough time to complete the quiz. However, a rating of Supports with Exceptions has been given for the following reason:</p> <p>It is the responsibility of content creators to ensure that tests or other activities requiring timed responses in the Green CulturED environment are accessible.</p>

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.



§ 1194.31 Functional Performance Criteria

Criteria	Support Level	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.	Supports with Exceptions	<p>The Green CulturED web application provides accessibility information such as name, state, and role for most of its controls. They also allow keyboard access to most active elements. However, the rating Supports with Exceptions has been given due to the severity of the accessibility issues listed above in section 1194.22 (a), (g), (h), (l) and (n). This affects people who are blind or visually impaired because missing labels for graphics and improperly structured controls (such as the Search widget) impede their use of the web application.</p> <p>The issues listed in section 1194.22 (l) and (o) are relevant because they negatively affect keyboard use of the application, and users with visual impairments use the keyboard exclusively.</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.	Supports with Exceptions	<p>The Green CulturED web application does provide support for users who have a visual acuity greater than 20/70 or visually impaired.</p> <p>A rating of Supports with Exceptions is assigned due to the issues regarding the presence of visual focus noted in §1194.22 (l).</p>
(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 Green CulturED web application does not require user hearing for information retrieval.
(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.	Supports	The Green CulturED web application does not require user hearing for information retrieval.



Criteria	Support Level	Remarks and Explanations
(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 Green CulturED web application does not require user speech for information retrieval.
(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	<p>The Green CulturED web application does provide keyboard access to the majority of functionality.</p> <p>A rating Supports with Exceptions has been assigned due to the issues noted in sections 1194.22 (l) and (o).</p>



§ 1194.41 Information, Documentation and Support

Criteria	Support Level	Remarks and Explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Applicable- Not Tested	eLearning solutions determined on a client-by-client basis to meet accessibility compliance.
(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.	Applicable- Not Tested	eLearning solutions determined on a client-by-client basis to meet accessibility compliance.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Applicable- Not Tested	eLearning solutions determined on a client-by-client basis to meet accessibility compliance.

