**CSM UPT HTML 508 Checklist**

| **Checkpoint** | **Criteria** | **Pass** | **Fail** | **N/A** |
| --- | --- | --- | --- | --- |
| A:  Text Equivalents | Checkpoint A Text Equivalents validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpa |  |  |  |
| A1 | Do images that convey contextual content have equivalent alternative text specified in the alt attribute of the img element? | **X** |  |  |
| A2 | Do images that are purely decorative, and not contextual, have empty, or null, alternative text specified, e.g. alt=""?  No. Re-checked home page banner, and workflow connector images on the Home page. Both sets of images now have empty, or null, alt text attributes specified. The “spacer” image to the right of the “Log Out” link on the menu also has an empty alt=”” tag. | **X** |  |  |
| A3 | Does the alternate text convey contextual relevance to the page it is on? | **X** |  |  |
| A4 | Do images that convey complex content have longdesc attributes or equivalent text content available elsewhere on the page?  Yes, on the ‘User Provisioning Tool Outline’ (Home) page, images do contain title and alt text, and there is a recommended flow outline. Images also contain longdesc attributes, and these longdesc have a URL:  <img width="98" height="50" border="0" title="Privilege" longdesc="http://ncias-d704-v.nci.nih.gov:29190 /upt424/pages/content/home/longdescription.html" alt="Privilege" src="http://ncias-d704-v.nci.nih.gov:29190/upt424/images/privileges2.gif" name="priv"> | **X** |  |  |
| A5 | Does text content contained in images disappear when images are not available, i.e. is there text contained in the images? Best practice: minimize the amount of text contained in images; use CSS for typography instead.  Yes. The Recommended Outline images on the Home page contain text. When images are turned off, the text contained within the images disappear; however, the alt text is then displayed, effectively resolving the issue.  With images turned on:    With images turned off: | **X** |  |  |
| A6 | Do image map area elements have the link destination correctly titled? If the title attribute is used, it ought not to duplicate the alt text.  No image maps found within the application. |  |  | **X** |
| A7 | Do form non-text controls, e.g. input type image, provide a text alternative that identifies the purpose of the non-text control?  Instance Level tab contains input fields to upload Application Jar Files, for instance. These non-text input type=file controls ***do*** provide a text alternative that identifies the purpose of the non-text control. | **X** |  |  |
| A8 | Do noframes elements have appropriate equivalent or alternative content for user agents that do not support frames?  No noframes elements found within the application. |  |  | **X** |
| B: Multimedia Equivalents | Checkpoint B Multimedia Equivalents validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpb |  |  |  |
| B1 | Is a full text transcript provided for all prerecorded audio? |  |  | **X** |
| B2 | Is a full text transcript provided for all prerecorded video? |  |  | **X** |
| B3 | Are open or closed captions provided for all synchronized video? |  |  | **X** |
| B4 | Is fully synchronized text alternative or sound track provided for all video interaction that is not otherwise described? |  |  | **X** |
| C:  Color | Checkpoint C Color validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpc |  |  |  |
| C1 | Is information conveyed by color also conveyed by context, markup, graphic coding, or other means?  Yes. For instance, selected menu tab has a different color than all of the other tabs, and the page title matches the menu tab text. | **X** |  |  |
| C2 | Does a contrast ratio of at least 4.5:1 exist between text, and images of text, and background behind the text?  Text on pages is rendered using hex color #000000, which is black. The contrast ratio for this color is above 20:1: | **X** |  |  |
| C3 | Is a correct contrast ratio maintained when images are not available?  Yes, checked by disabling all images within FireFox. | **X** |  |  |
| C4 | Is a correct contrast ratio maintained when CSS is disabled?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| C5 | Are links distinguished from surrounding text with sufficient color contrast and is additional differentiation provided when the link receives focus, e.g. it becomes underlined?  Links are “underlined”, and link colors are different from the surrounding text, thus providing additional differentiation. An example is provided below:    Whether or not the color differentiation provides enough contrast is subjective. | **X** |  |  |
| D:  Styles | Checkpoint D Styles validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpd |  |  |  |
| D1 | With CSS disabled, is color and font information rendered in the browser's default CSS?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| D2 | With CSS disabled, are headings, paragraphs, and lists obvious and sensible?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| D3 | With CSS disabled, does the order of the page content make sense as read?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| D4 | With CSS disabled, is most text, other than logos and banners, rendered in text rather than images?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| D5 | With CSS disabled, does any content that was invisible before stay invisible?  Yes; checked by disabling CSS within FireFox. | **X** |  |  |
| D6 | With CSS disabled, is any content or functionality provided by the CSS through mouse action also provided through keyboard-triggered event handlers?  Did not observe any content or functionality by the CSS through mouse action. |  |  | **X** |
| D7 | When tables are used for layout, does the content linearize properly when layout tables are turned off?  Yes; checked Search Results table accessed from User page. | **X** |  |  |
| E:  Server- Side Image Maps | Checkpoint E Server- Side Image Maps validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpe |  |  |  |
| E1 | Are links in server-side image maps repeated elsewhere in the page that are non-graphical, e.g. a normal list of links?  No server-side image maps observed within the application. |  |  | **X** |
| F:  Client-Side Image Maps | Checkpoint F Client-Side Image Maps validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpf |  |  |  |
| F1 | Are client-side image maps used instead of server-side image maps?  No client-side image maps observed within the application. |  |  | **X** |
| F2 | Do client-side image maps have appropriate alternative text for the image, as well as each hot spot region?  No client-side image maps observed within the application. |  |  | **X** |
| G:  Simple Tables | Checkpoint G Simple Tables validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpg |  |  |  |
| G1 | For tables containing data, do th elements appropriately define every row and/or every column headers?  Yes; checked Search Results table accessed from User page, and header row contains th elements | **X** |  |  |
| G2 | For tables containing data, do th elements contain the scope attribute for row and/or column headers that are not logically placed, e.g. in the first row and first column as applicable?  Yes; checked Search Results table accessed from User page, and each header row th element contains scope=”col” attribute. | **X** |  |  |
| G3 | For tables containing data, is the summary attribute used to explain the meaning of the table if it is not otherwise evident from context?  Yes. For example, within Search Results table element, the summary attribute is now supplied with a meaningful value:  <table class="dataTable" width="100%" cellspacing="0" cellpadding="3" border="0" summary="Search results for User search"> | **X** |  |  |
| G4 | For tables that are used for layout, are th elements or summary, headers, scope, abbr, or axis attributes NOT used at all?  Yes. Tables used for layout no longer specify the summary=”” attribute. | **X** |  |  |
| H:  Complex Tables | Checkpoint H Complex Tables validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cph |  |  |  |
| H1 | For complex tables, do th elements appropriately define row and/or column headers?  No complex data tables observed within the application. |  |  | **X** |
| H2 | For complex tables, does each th element contain an id attribute unique to the page and/or does each th element and any td element that acts as a header for other elements contain a scope attribute of row, col, rowgroup, or colgroup?  No complex data tables observed within the application. |  |  | **X** |
| H3 | For complex tables, does any td element that is associated with more than one th element contain a headers attribute that lists the id attribute for all headers associated with that cell?  No complex data tables observed within the application. |  |  | **X** |
| H4 | Are the summary attribute and thead and tbody elements used to clarify the table meaning and structure if needed?  No complex data tables observed within the application. |  |  | **X** |
| I:  Frames | Checkpoint I Frames validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpi |  |  |  |
| I1 | Does each frame and iframe element have a meaningful title attribute?  No frame or iframe elements observed within the application. |  |  | **X** |
| I2 | Does the page have equivalent content in a noframes element for user agents that do not support frames?  No frame or iframe elements observed within the application. |  |  | **X** |
| J:  Flicker | Checkpoint J Flicker validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpj |  |  |  |
| J1 | Does any page element NOT flicker at an unhealthy rate, e.g. less than three flashes per second?  No flickering page elements observed within the application. |  |  | **X** |
| J2 | Does any page NOT contain the marquee and blink elements?  No flickering page elements observed within the application. |  |  | **X** |
| K:  Text Only | Checkpoint K Text Only validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpk |  |  |  |
| K1 | Does a document have a text-only version? If so, does it meet all Section 508 criteria?  A single version of each web page is provided; there is no “text-only” version provided. |  |  | **X** |
| K2 | Does the text-only version contain the same exact information as the original document?  A single version of each web page is provided; there is no “text-only” version provided. |  |  | **X** |
| K3 | Does the text-only version provide the functionality equivalent to that of the original document?  A single version of each web page is provided; there is no “text-only” version provided. |  |  | **X** |
| K4 | Is an alternative provided for components, e.g. plug-ins & scripts, which are not directly accessible?  A single version of each web page is provided; there is no “text-only” version provided. |  |  | **X** |
| L:  Scripts | Checkpoint L Scripts validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpl |  |  |  |
| L1 | Is any content or functionality provided by JavaScript through mouse action also provided through keyboard-triggered event handlers?  Yes. Menu and page links use javascript to set and submit data. These elements can be navigated just using keyboard-triggered event handlers. | **X** |  |  |
| L2 | Are link-type behaviors created with JavaScript on ONLY focusable elements?  Yes; Menu and page links use javascript to set and submit data. With javascript enabled, all of these links are focusable and usable only using the keyboard. | **X** |  |  |
| L3 | If content or functionality provided by JavaScript can’t be provided to assistive technology, is equivalent content or functionality provided without JavaScript?  Yes; Menu and page links use javascript and event handlers to set and submit data. However, as indicated at <http://www.access-board.gov/sec508/guide/1194.22.htm#(l)>, this technique “does not cause accessibility problems for assistive technology”. | **X** |  |  |
| M:  Applets and Plugins | Checkpoint M Applets and Plugins validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpm |  |  |  |
| M1 | Are links provided to any special readers or plug-ins that are required to interpret page content?  No application applets or plugins observed. |  |  | **X** |
| M2 | Do special readers or plug-ins comply with the requirements of Section 508 paragraphs §1194.21(a)-(l)?  No application applets or plugins observed. |  |  | **X** |
| N:  Forms | Checkpoint N validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpn |  |  |  |
| N1 | Does each appropriate input element or form control have an associated and visible label element or title attribute?  Yes, all instances of the issue have been resolved. | **X** |  |  |
| N2 | Are all cues for filling out the form available to users of assistive technology, e.g. mandatory fields, help boxes, error messages?  Yes; mandatory fields have ‘\*’ next to them, and validation and general error messages are displayed when required. | **X** |  |  |
| N3 | Is the tab order to reach the form and the tab order between form elements logical and consistent with the normal and visual order of entering form data?  Yes; where tested, the tab order to reach the form and the tab order between elements are both logical and consistent with the normal and visual order of entering form data. | **X** |  |  |
| N4 | Are logically-related groups of form elements identified with appropriate fieldset and legend elements?  No grouped form elements observed within the application. |  |  | **X** |
| N5 | Is placeholder text, if used, NOT redundant or distracting to users of assistive technology?  No placeholder text observed within the application. |  |  | **X** |
| N6 | Do form error messages identify the error(s) to the user and describe them to the user in text?  Yes; error messages are specific and descriptive. | **X** |  |  |
| O:  Skip Links | Checkpoint O Skip Links validation procedure followed:  <http://www.tomjewett.com/accessibility/508-eval.html#cpo>. See also <http://webaim.org/techniques/skipnav/> for a discussion of various skip logic techniques. |  |  |  |
| O1 | If repetitive navigation links are at the beginning of the source of the HTML page, can a user navigate via a link, the “skip link”, at the top of each page directly to the main content area?  Yes, “skip link” functionality is now present within the application:  <a id="skipmenu" class="skippy" tabindex="1"  href="javascript:skipNavigation()">Skip Navigation</a> | **X** |  |  |
| O2 | If a “skip link” is provided, does the anchor element contain text content that is visible with CSS disabled?  Yes, as shown below: | **X** |  |  |
| O3 | If a “skip link” is provided and it is hidden with CSS, is it available to users of assistive technology, e.g. not using the display:none method?  The Skip Navigation link is not hidden by CSS, and so this check does not apply. Also, as shown by the skip navigation anchor and corresponding CSS below, the display:none technique is not used:  <a tabindex="1" class="skippy" id="skipmenu" href="javascript:skipNavigation()">Skip Navigation</a>  .skipmenu {      position: relative;  }  .skipmenu a.skippy {      height: 1px;      left: -1000px;      overflow: hidden;      position: absolute;      top: -1000px;      width: 1px;  }  .skipmenu a.skippy:active, .skipmenu a.skippy:focus, .skipmenu a.skippy:hover {      color: black;      font-size: 1em;      font-weight: bold;      height: 1em;      left: auto;      margin-bottom: 25px;      padding-bottom: 15px;      position: absolute;      text-align: left;      top: auto;      width: 100%;      z-index: 100;  } |  |  | **X** |
| O4 | Can a user navigate over groups of links, between multiple groups of links, and between sections of the page content by means of section headings or visible and audible local links?  Yes, “skip link” functionality is now present within the application:  <a id="skipmenu" class="skippy" tabindex="1"  href="javascript:skipNavigation()">Skip Navigation</a> | **X** |  |  |
| O5 | Are heading elements used to convey logical hierarchy and denote the beginning of each section of content?  Yes; heading elements, such as <h1>, <h2>, are used throughout the application pages: | **X** |  |  |
| P:  Timed Response | Checkpoint P Timed Response validation procedure followed:  http://www.tomjewett.com/accessibility/508-eval.html#cpn |  |  |  |
| P1 | Is enough time provided to allow users to read and interact with content?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P2 | Is the functionality of the content predictable, i.e. will a user experience contextual changes when unbeknownst to them?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P3 | Does the user have control over the timing of content changes?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P4 | If a page or application has a time limit, is the user given options to turn off, adjust, or extend that time limit?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P5 | Can automatically moving, blinking, or scrolling content that lasts longer than 3 seconds be paused, stopped, or hidden by the user?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P6 | Can automatically updating content be paused, stopped, or hidden by the user or the user can manually control the timing of the updates, e.g. automatically redirecting or refreshing a page, a news ticker, AJAX updated field, a notification alert, etcetera?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P7 | Can interruptions be postponed or suppressed by the user, e.g. alerts, page updates, etcetera?  No timed response mechanism (other than the common session timeout) observed within the application. |  |  | **X** |
| P8 | If an authentication session expires, can the user re-authenticate and continue the activity without losing any data from the current page?  No. For example, if the user enters information into a form, but does not submit the data, and the session expires, the user will need to re-enter the data within the form after logging back in. |  | **X** |  |