**Web 508 Accessibility Checklist**

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| 508 Standard | Rationale | Compliant Status |
| **Web-based Intranet and Internet Information and Applications (1194.22)** | A website can either build all accessibility features in, or be compatible with assistive technology. | **60% For esri.com strictly**  (9/15 are compliant) |

Web Checklist

Use this checklist to ensure that a website either has built in accessibility features or is compatible with assistive technology.

= Low Priority

= High Priority

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|  | Accessibility | Requirement | Test | Result  (Compliant\*/ Not Compliant?)  \*Mark item(s) that do not apply as “Compliant” |
| 1 | Text Equivalents | | | |
| 1.1 | **Text equivalents** | A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content). | When an image indicates a navigational action such as "move to the next screen" or "go back to the top of the page," the image must be accompanied by actual text that states the purpose of the image. This provision also requires that when an image is used to represent page content, the image must have a text description accompanying it that explains the meaning of the image.  HTML Source Code: <img src="/art/logo-green.gif" alt="Access Board Logo"> | Not compliant. No alt tags included on images |
| 1.2 | **Text-only page** | A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of these standards, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes. | Text-only pages must contain equivalent information or functionality as the primary pages. Also, the text-only page shall be updated whenever the primary page changes.  Example HTML source code: <div ID="textonly"> <p><a HREF="../textonly/default.asp">Text Only</a> </p></div> | **Things to consider:**  alt text for images and controls that may not have labels on them.  If you were to remove all css styling, the html content should still be comprehensible and navigable.  To verify compliance, copy and save html page source and open in browser.  Definitely not all information is in text only as confirmed with the images. So not Compliant. |
| 2.3 | **Style Sheets** | Documents shall be organized so they are readable without requiring an associated style sheet. | For good access, therefore, it is critical that designers ensure that their web pages do not interfere with user-defined style sheets.  In general, the "safest" and most useful form of style sheets are "external" style sheets, in which the style rules are set up in a separate file. An example of an external style sheet is:  Example of source code: <link rel=stylesheet type="text / css" href="/section508.css> | Compliant because the text is still readable even without the style sheets. However, some parts may not be in order down the page depending on the div tag used. |
| 1.4 | **Redundant links** | Redundant text links shall be provided for each active region of a server-side image map. | If needed, does a redundant text link provide access to the page for anyone not able to see or accurately click on the map. | Not the main Front Picture, but the other links do have texted links below the image along with the image being a link as well. Not Compliant. |
| 1.5 | **Tables** | Row and column headers shall be identified for data tables.  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. | When information is displayed in a table format, the information shall be laid out using appropriate table tags as opposed to using a preformatted table in association with the "<pre>" tag. | I did not see any formal tables on the home page. So this does not apply for the home screen. Compliant |
| 1.6 | **Script language** | 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. | Web page authors have a responsibility to provide script information in a fashion that can be read by assistive technology. When authors do not put functional text with a script, a screen reader will often read the content of the script itself in a meaningless jumble of numbers and letters. Although this jumble is text, it cannot be interpreted or used. | **Things to consider:**  508 site is a good example of links and navigation controls being read correctly by screen reader:  <http://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/guide-to-the-section-508-standards/web-based-intranet-and-internet-information-and-applications-1194-22#main-container>  Isolani site is a good example of content on a page being read correctly by the screen reader: <http://isolani.co.uk/articles/accessibilityOfTextOnlyWebsites.html> |
| 2 | Display and Navigation | | | |
| 2.1 | **Color** | Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup. | If color is used to enhance identification of important features, some other method of identification, such as text labels, must be combined with the use of color. | Not Compliant  **Things to consider:**  Alert messaging |
| 2.3 | **Identify and activate maps** | 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. | Can someone using a screen reader easily identify and activate regions of the map. | Compliant because Esri does not have server-side image maps.  Example of this working:  <https://developers.arcgis.com/en/#visualization-demo> |
| 2.4 | **Frames and navigation** | Frames shall be titled with text that facilitates frame identification and navigation. | Are the differences between the frames clearly established and can be read by screen reader. | On Esri.com there are no iframes. But where there are iframes elsewhere on different links, we do not comply. But for Esri.com it does comply  **Things to consider:**  All content should be accessible by the screen reader.  That goes for both grids (cells and column headers) and general content and headers on the page. |
| 2.5 | **Applet and plug-ins** | 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). | This provision places a responsibility on the web page author to know that a compliant application exists, before requiring a plug-in.  This provision requires that web pages that provide content such as Real Audio or PDF (Adobe Acrobat's Portable Document Format) files also provide a link to a plug-in that will meet the software provisions. | There is no video or audio on esri.com home/main page. So this is compliant. However, this may not apply to other Esri sites |
| 2.6 | **Electronic forms** | 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. | making HTML form elements accessible to assistive technology. | Once again there are no forms on the esri.com home page. So it is compliant but may not be compliant on other Esri sites. |
| 2.7 | **Navigation skipping** | A method shall be provided that permits users to skip repetitive navigation links. | The section 508 rule requires that when repetitive navigational links are used, there must be a mechanism for users to skip repetitive navigational links. | This is not a case for esri.com but for other sites, there are available options to skip to which section the user wants. So in that way, it may be Compliant. However, it may not be in other cases for all sites.  **Things to consider:**  Allow for skipping through navigation to content.  See Google example: |
| 3 | Timing | | | |
| 3.1 | **Response Times** | Provide an option to adjust response times on timed instructions or allow the instructions to persist. | If the application contains timed instructions, does it alert the user that the application will time out and provide the ability to indicate that additional time is needed? | This does not apply to esri.com but for sites that may have timed sessions, It will need to be investigated. So for the home page it is compliant, since it does not apply here. |
| 3.2 | **Flashing or blinking text, objects, or other elements** | Do 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. | If the application uses blinking elements, are frequencies that are less than 2Hz or greater than 55Hz used? | There are no blinking or flashing texts or objects. So this is Compliant |
| 4 | Sounds and Multimedia | | | |
| 4.1 | **Multimedia Equivalents** | Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation. | When an audio portion of a multimedia production is captioned, as required in provision (a), the captioning must be synchronized with the audio. | This does not apply on esri.com, but on other sites, this does not comply. |

**References**

508 Web Guidelines and Checklist

<http://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/guide-to-the-section-508-standards/web-based-intranet-and-internet-information-and-applications-1194-22>

<http://www.w3.org/TR/WCAG10/full-checklist.html>

<http://www.uspto.gov/about/offices/cio/section508/web_checklist.pdf>

<https://slack-files.com/files-pri-safe/T02SQSKSR-F042K0FDG/web_accessibility_checklist.pdf?c=1426636788-ef057770b419add3fe7daba93f358a441666b559>

Example of online accessibility checklist

<http://www-03.ibm.com/able/guidelines/software/accesssoftware.html>

<http://www-03.ibm.com/able/access_ibm/disability.html>

About 508

<http://www.sitepoint.com/designing-disabilities-section-508-international-accessibility-compliance-beginners/>

<http://viget.com/inspire/a-designers-guide-to-accessibility-and-508-compliance>

Examples of Assistive Technology

<http://www.microsoft.com/enable/at/types.aspx>