

High-level accessibility review – LAA (TechStreet Enterprise)

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TechStreet Enterprise

Summary

Top 3 problems for the TechStreet Enterprise

This high-level assessment covers limited portions and functionality of the TechStreet Enterprise. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

1. **Info and Relationships** – Information, structure, and relationships conveyed through presentation on many elements is not programmatically determined.
2. **Non-text Contrast** – Many active interactive elements or states of the elements do not have enough contrast with the background.
3. **Use of Color** – Several elements do not have enough contrast between the text and background.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **No site wide automated issues were detected.**

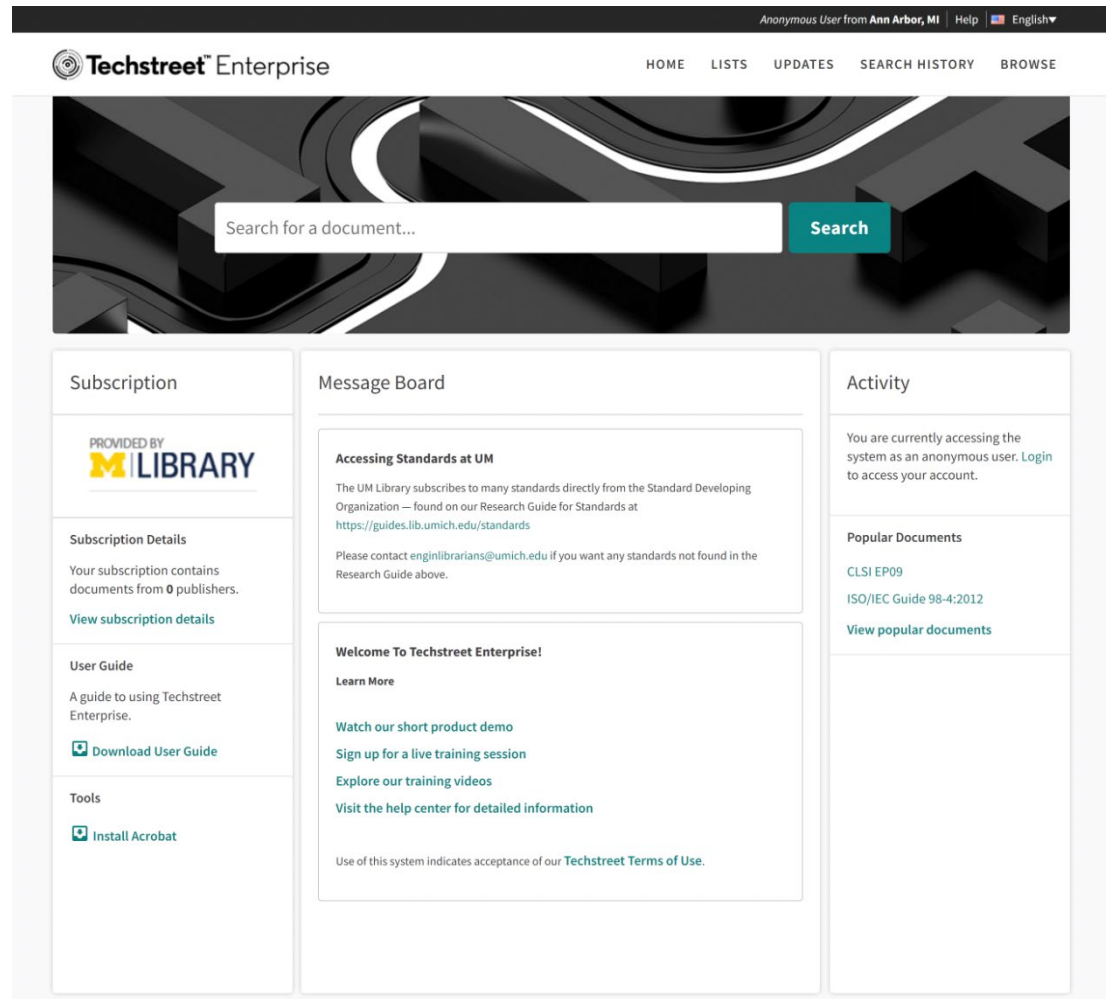
Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – Info and Relationships – The footer navigation has 3 sections with a visible heading, but the visible headings are not marked as such.
2. **SC 1.4.11 AA** – Non-text Contrast – The focus state of the search buttons on the majority of pages does not have at least 3:1 contrast with adjacent background.
3. **SC 1.4.3 AA** – Contrast – The search button text on hover on most pages does not have at least 4.5:1 contrast with the background. Text: #ffffff, Background: #5AA8A9, Contrast Ratio: 2.8:1.

1. Landing Page

Source: <https://subscriptions-techstreet-com.proxy.lib.umich.edu/>

Test case: Test initial interface/landing page to ensure menus, search box, images, icons, etc. are accessible.



Automated findings using Axe

1. **SC 1.4.1 A** – Link Color Contrast – “Links within paragraphs” are only identified by color and lack 3:1 contrast with the adjacent text. Link Color: #0e8383, Adjacent Text: #414042, contrast: 2.3:1.
2. **SC 1.3.1 A** – Info and Relationships – Within the Welcome to Techstreet Enterprise list of links the UL contains a child element of
 that is not allowed.

Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – Non-text Content – The alternative text for the “Provided by M Library” image doesn’t describe the purpose of the image. Should include the visible text of the image.
2. **SC 1.4.11 AA** – Non-text contrast – The focus indicator of the search button does not have at least 3:1 contrast with outside adjacent color. Focus indicator: #29788C, Outside adjacent color: #414B4D, Contrast Ratio: 1.8:1.
3. **SC 3.1.2 AA** – Language of Parts – French language option does not have lang attribute set to identify the change in language.
4. **SC 4.1.2 A** – Name, Role, Value – The homepage navigation visually shows as the current page but the aria-attribute is not programmatically set so screen readers users do not get this information.

2. Search Results – ASTM

Source: <https://subscriptions-techstreet-com.proxy.lib.umich.edu/searches/21899572>

Test case: From the initial interface, perform a search for: ASTM. Test search results page, including filters/refine search by “Amended” under Document Status and sort by Document Name.

The screenshot shows the TechStreet Enterprise search results page for the query 'ASTM'. The page header includes the TechStreet logo and navigation links: HOME, LISTS, UPDATES, SEARCH HISTORY, and BROWSE. The search bar contains 'ASTM' and a 'Search' button. Below the search bar, the results are displayed in a list format. The first result is 'ASTM E100-19', a Standard Specification for ASTM Hydrometers, published on 05/01/2019 by ASTM International. The second result is 'ASTM D1500-12(2017)', a Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale), published on 10/01/2017 by ASTM International. On the left side of the page, there is a 'Filter Search' panel with options for 'On Subscription', 'Most Recent Documents', and 'Full Text'. Below this, there is a 'Publisher' filter with a list of publishers and their document counts, and a 'Publication Year' filter.

Automated findings using Axe

No automated issues detected.

Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – Info and Relationships – The search results details (Published, By, Amendments, Historical) are not properly setup as a list. Each line is it’s own list.
2. **SC 1.3.1 A** – Info and Relationships – The filter groups have a visible group label to understand the filter options but the programmatic group labels are missing so screen reader users do not get the same experience.
3. **SC 1.4.1 A** – Use of Color – The search result detail links (Published, By, Amendments, Historical) are only identified by color and color does not have at least 3:1 contrast with the adjacent text. Link Text: #0e8383, Surrounding Text: #414042, Contrast Ratio: 2.3:1.
4. **SC 1.4.3 AA** – Contrast – Reset button text on hover does not have at least 4.5:1 contrast. Text: #6DA9A9, Background: #ffffff, Contrast Ratio: 2.7:1.
5. **SC 1.4.11 AA** – Non-text Contrast – Filter checkboxes do not have at least 3:1 contrast with adjacent background: Checkboxes: #C8C8C8, Background: #ffffff, Contrast Ratio: 1.7:1.

6. **SC 1.4.11 AA** – Non-text Contrast – Reset filters button and Sort by combobox focus indicator does not have at least 3:1 contrast with the adjacent background. Focus indicator: #45D2F5, Background: #ffffff, Contrast Ratio: 1.8:1.
7. **SC 2.1.1 A** – Keyboard – Filter Tooltips and Not subscribed label have a popup open on hover but the content cannot be reached with the keyboard alone.
8. **SC 2.4.7 AA** – Focus Visible – The filter checkboxes are missing a focus indicator when they have keyboard focus.
9. **SC 3.2.2 A** – On Input – When the filter checkboxes are activated the page reloads with updated filtered content. The input fields should be able to be checked and not do anything until the user requests the change.
10. **SC 3.3.2 A** – Labels or Instructions – The filter search boxes have a placeholder label but the label disappears once the user interacts with the field. The label needs to be persistent.
11. **SC 4.1.2 A** – Name, Role, Value – The filter tooltips and not subscribed tooltips are clickable buttons via the mouse but they are missing a role of button.
12. **SC 4.1.2 A** – Name, Role, Value – The pagination links at the bottom of the page do not have accessible names that match the visible function.
13. **SC 4.1.3 AA** – Status Messages – When the filters are adjusted the search results message about the number of results is updated but is not announced to screen reader users.

3. Search Results Details

Source: <https://subscriptions-techstreet-com.proxy.lib.umich.edu/products/848578>

Test case: Test individual search result landing page Proclaiming the Truth, 2nd Ed.

The screenshot shows the TechStreet Enterprise website interface. At the top, there is a navigation bar with the TechStreet logo and the word 'Enterprise'. To the right, there are links for 'HOME', 'LISTS', 'UPDATES', 'SEARCH HISTORY', and 'BROWSE'. Below the navigation bar is a search bar with the placeholder text 'Search for a document...' and a 'Search' button. The main content area is titled 'SEARCH' and shows the search results for 'Proclaiming the Truth, 2nd Ed.'. On the left, there is a 'Related Documents' section with the text 'Browse all content available within a particular subject area.' and a link to 'ASHRAE ASHRAE Books'. The main document details section includes a book cover for 'PROCLAIMING THE TRUTH' and the following information: 'Proclaiming the Truth, 2nd Ed.', 'Not Subscribed', 'Published: 01/01/2020', 'By: ASHRAE', 'Author: W. Stephen Comstock', 'Edition: 3rd', 'ISBN: 9781947192461', and 'Available: Amendments'. There is also a 'Click to Preview' button and a 'BOOK' icon. A message at the bottom of the document details section states 'This product is not part of your subscription.' Below this, there is a section titled 'About This Document' with the text 'An Illustrated History of ASHRAE'.

Automated findings using Axe

No automated issues detected.

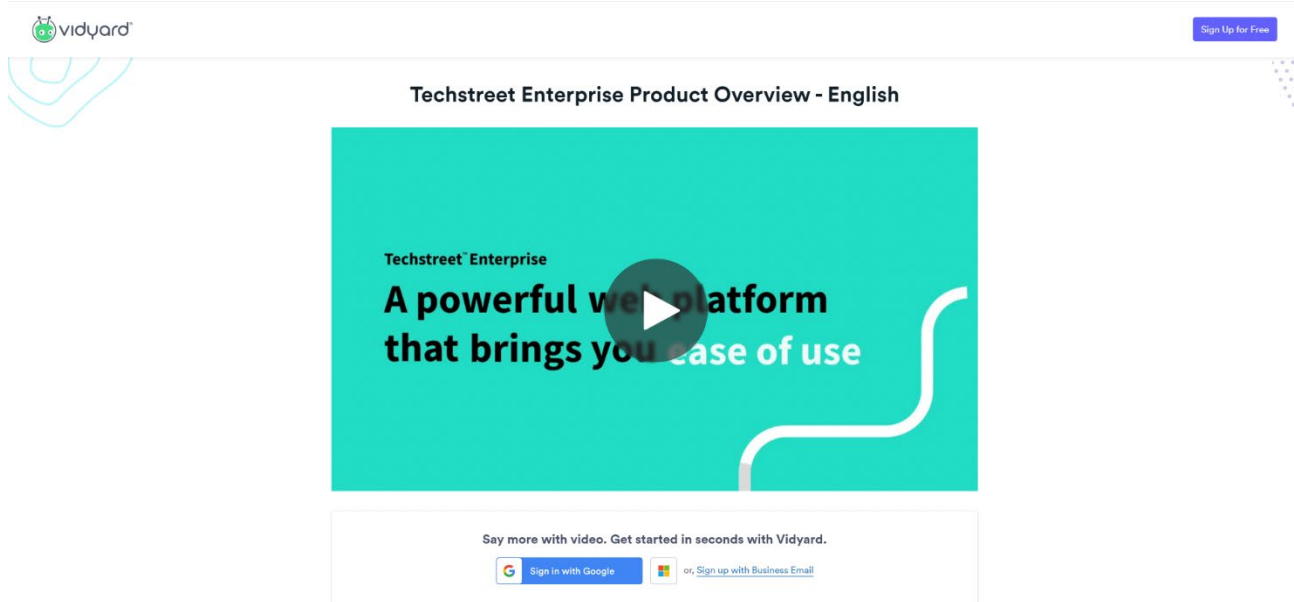
Additional manual findings using NVDA screen reader

Not completed due to insufficient time.

4. Video

Source: <https://share.vidyard.com/watch/1SNMyTsDx8d8aZ3RRaZGGC>

Test case: Test a tutorial video provided at the Video Library.



Automated findings using Axe

1. **SC 1.4.4 AA** – Resize Text – the meta data viewport disables scaling as there is a max scale set that is the same as the initial scale.

Additional manual findings using NVDA screen reader

1. **SC 1.2.2 A** – Captions (Prerecorded) – Video does not have captions.