

High-Level Accessibility Evaluation (WCAG 2.1)

Nexus Uni (retest)

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Prepared for:

BTAA-Library Accessibility Alliance

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TABLE OF CONTENTS

SUMMARY	3
Top Findings	3
ACCESSIBILITY FINDINGS	4
1. Initial Interface	5
2. Search Results	6
3. Individual Results	8
4. Advanced Search	10

SUMMARY

This report reflects the findings of a high-level assessment of the Nexus Uni platform for its conformance with the W3C Web Content Accessibility Guidelines version 2.1 (WCAG 2.1).

There are very few issues with the Nexus Uni platform, however some essential WCAG 2.1 A and AA level requirements around information and relationships and color contrast do not meet compliance. Additionally, some other issues have been identified that while are not a direct SC violation, may help with the general usability of the site. Below are the most critical issues to address to improve system compliance.

Top Findings

1. **Discernible Text:** Screen readers need buttons, links, and other interactive elements to have discernible text to inform the user about the purpose and function of those elements. There are a few elements on the first three pages evaluated that are lacking a discernible text. Without this, navigation of the site and interaction with certain elements becomes extremely difficult or impossible.
2. **PDF Content:** The PDF that was evaluated as a part of this report does not appear to have been set up correctly for accessibility. This can make interacting with PDF content very difficult for users with a variety of disabilities and should be remediated in conformance with the [Section 508 guidelines for PDF accessibility](#).
3. **Focus Ring:** While the current focus ring does technically meet the standard for conformance at the AA level, using the dotted outline is not as visible as a focus ring that has been designed to be contrast compliant. This would make keyboard navigation much easier for users with visual, physical, and cognitive disabilities, and is strongly recommended.

Best Practices

- ◆ ARIA dialog and alertdialog nodes should have an accessible name
- ◆ ARIA role presentation is not allowed for given element
- ◆ ARIA roles should be appropriate for the element
- ◆ Ensure elements marked as presentational are consistently ignored
- ◆ Ensure landmarks are unique
- ◆ Aside should not be contained in another landmark
- ◆ Page should contain a level-one heading

ACCESSIBILITY FINDINGS

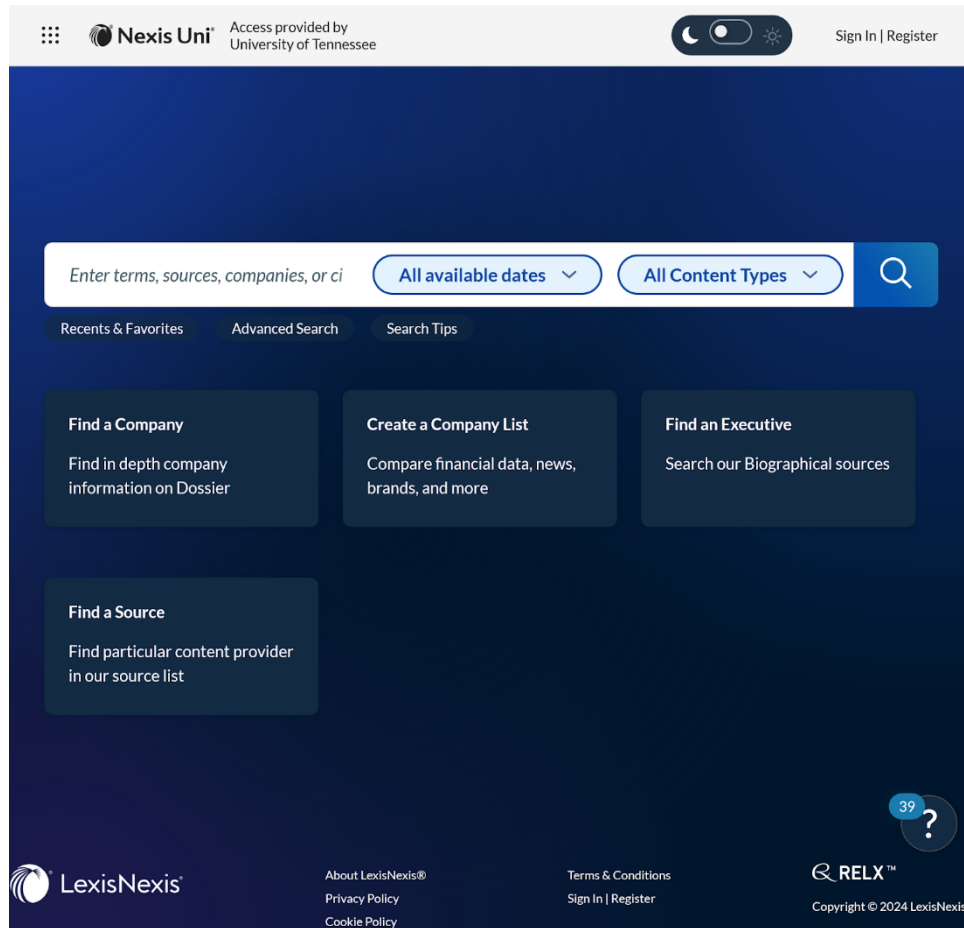
This report was conducted against the Nexus Uni Platform and covers a selection of pages and features that were to be tested as a representative sample of the database's conformance to the WCAG 2.1 AA standards.

The resource was reviewed using a combination of manual and automatic review tools and assistive technologies, including the WAVE Accessibility Assessment tool, Axe Accessibility Assessment tool, WCAG Color Contrast Checker, and NVDA screen reader. PDF content was tested against Section 508 requirements using Adobe Acrobat's accessibility tools and manual analysis. All problems identified by automatic tools were verified manually. This evaluation was performed using Firefox on Windows 11.

Below are the errors revealed during the accessibility evaluation of the Nexus Uni platform. Each result shows a summary of accessibility issues and the reason it was flagged. Screenshots are included.

1. Initial Interface

Test Case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible. <https://advance-lexis-com.utk.idm.oclc.org/bisnexishome/?pdmfid=1519360&crd=b53dc274-ad9f-403d-b31d-91c7ce0717ac>



SC 4.1.2: Elements must only use permitted ARIA attributes.

Location(s):

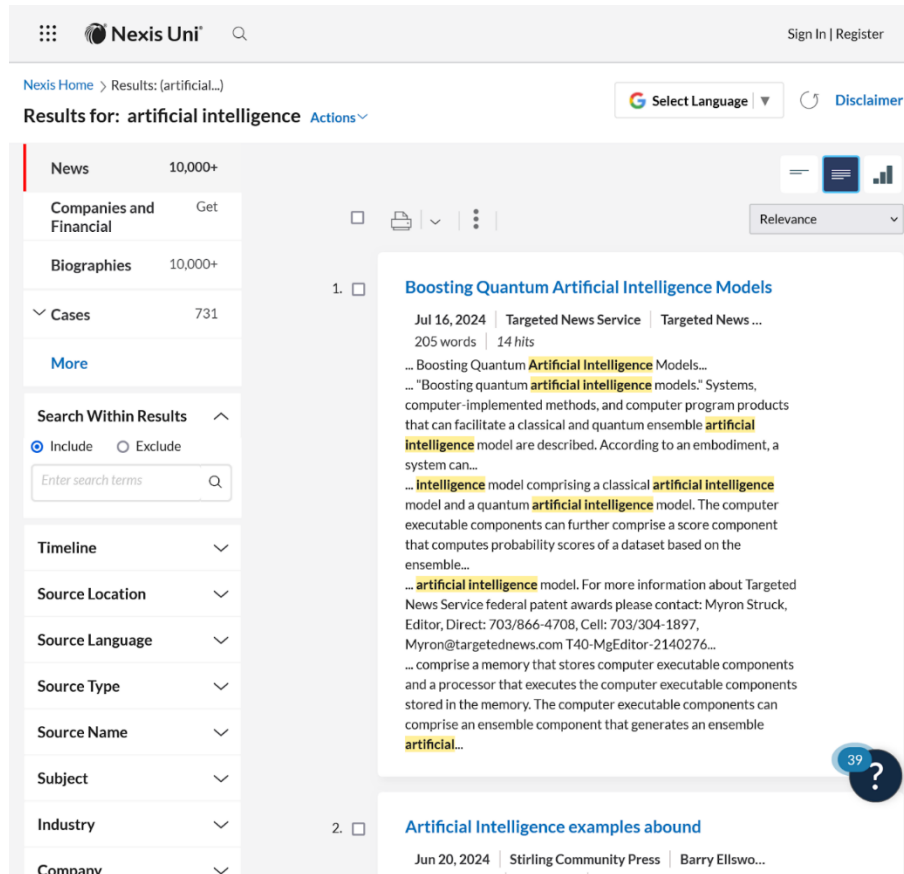
- `<Ing-expanding-textarea contenteditable="true" aria-label="Search for" placeholder="Enter terms, sources, companies, or citations" maxlength="5000" class="ng-untouched ng-pristine ng-valid"></Ing-expanding-textarea>`

Reason flagged:

- aria-label attribute cannot be used on a Ing-expanding-textarea with no valid role attribute.

2. Search Results

Test Case: From the initial landing page, conduct a search for: artificial intelligence. Test search results page, including filters/refine search (e.g., Snapshot, Cases by country, Narrow By Search Within Results, Timeline, Subject, Industry) and sort by options



SC 4.1.2: Buttons must have discernible text.

Location(s):

- `<button class="content-group-expand icon la-TriangleRight" data-actualresultscount="731"></button>`

Reason flagged:

- Element does not have inner text that is visible to screen readers
- aria-label attribute does not exist or is empty
- aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
- Element has no title attribute
- Element's default semantics were not overridden with role="none" or role="presentation"

SC 4.1.2: Links must have discernible text.

Location(s):

- ``

Reason flagged:

- Element does not have text that is visible to screen readers
- aria-label attribute does not exist or is empty
- aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
- Element has no title attribute

SC 4.1.2: Select element must have an accessible name.

Location(s):

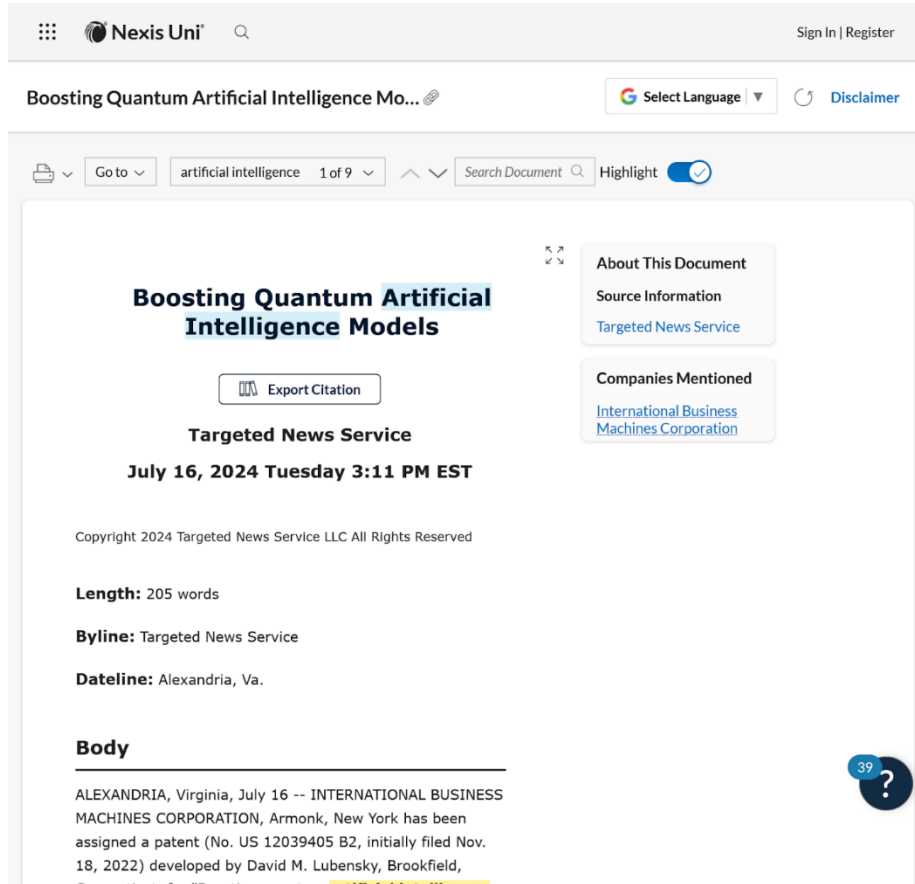
- `<select type="button" data-action="changesort" id="select" aria-controls="dropdownmenu" data-id="" aria-labelledby="Sorting-Dropdown">`

Reason flagged:

- Form element does not have an implicit (wrapped) `<label>`
- Form element does not have an explicit `<label>`
- aria-label attribute does not exist or is empty
- aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
- Element has no title attribute
- Element's default semantics were not overridden with `role="none"` or `role="presentation"`

3. Individual Results

Test Case: Test individual search result landing page & test actual document (PDF, video, etc.)



SC 4.1.2: Links must have discernible text.

Location(s):

- ``
- ``

Reason flagged:

- Element does not have text that is visible to screen readers
- aria-label attribute does not exist or is empty
- aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
- Element has no title attribute

PDF Document Analysis:

PDF Area Assessed	Failed Issues
Document	Tagged PDF Primary Language Title
Page Content	Tagged Content Tagged Annotations Tab Order <i>Navigation Links (skipped)</i>
Forms	<i>None</i>
Alternate Text	Figures Alt Text Nested Alt Text Associated with Content Hides Annotation Other Elements Alt Text
Tables	Rows TH and TD Headers Regularity <i>Summary (skipped)</i>
Lists	List Items Lbl and Lbody
Headings	Appropriate Nesting

4. Advanced Search

Test Case: Test Advanced Search page.

Nexus Uni Access provided by University of Tennessee Sign In | Register

Advanced Search

Enter search terms Search: Everything

Search Everything
Terms

All of these terms Add

Any of these terms Add

This exact phrase Add

Exclude these terms Add

Use Connectors

""
Exact phrase

AND
2 or more words anywhere in the document (alternative: &)

OR
Include one or more words

AND NOT
Exclude documents containing the word or phrase; should be the last connector, or may produce unexpected results

/N
First word within "n" words of the second (alternative: w/n or near/n)

No Issues

Disclaimer: This high-level evaluation was conducted for the Library Accessibility Alliance and represents a good faith effort conducted within a limited time frame. It should not be assumed to be complete or free from error. No warranties or guarantees are implied. UT is not responsible for direct, indirect, or incidental damages based on this work; its use or interpretation by any individual, group, or organization; or on conditions beyond our control.