

Accessibility Statement for IET websites

This is an accessibility statement from the Institution of Engineering and Technology (The IET). This statement covers the following site(s):

Site name	Most recent automated testing score
Bookshop	83.3
Site URL	Last reviewed date
https://shop.theiet.org	21/12/2024

This statement and its format were created using the [W3C Accessibility Statement Generator Tool](#). See also: <https://www.gov.uk/government/publications/sample-accessibility-statement/sample-accessibility-statement-for-a-fictional-public-sector-website>

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Measures to support accessibility

The IET wants as many people as possible to be able to use its websites. In this site you should be able to:

- change colours, contrast levels and fonts
- zoom in up to 200% without the text spilling off the screen
- navigate most of the website using just a keyboard

- navigate most of the website using speech recognition software
- listen to most of the website using a screen reader (including the most recent versions of JAWS, NVDA and VoiceOver)

We also aim to make text as easy as possible to understand, although some of our content is necessarily of a technical nature.

The IET aims to ensure accessibility of its websites by:

- including accessibility in our internal policies
- integrating accessibility into our procurement practices
- having clear accessibility goals and accountabilities
- continuously monitoring our sites for accessibility conformance

[AbilityNet](#) provides advice on making your device easier to use if you have a disability.

Technical specifications

Accessibility of IET websites relies on the following technologies to work with the web browser, and any assistive technologies or plugins, installed on your computer:

- HTML
- WAI-ARIA
- CSS
- SVG
- JavaScript

These technologies are relied upon for conformance with our stated accessibility standards.

Compatibility with browsers and assistive technology

Our sites are designed to be compatible with the following technologies:

- Current and recent versions of Chrome, Edge, Firefox and Safari browsers on Windows, MacOS, Android and iOS operating systems.

Conformance status

The [Web Content Accessibility Guidelines \(WCAG\)](#) defines requirements for designers and developers to improve accessibility for people with disabilities. This site is partially conformant with WCAG 2.2 level AAA. Partially conformant means that some features or content do not fully conform to the accessibility standard.

WAI-ARIA markup is used in most components.

Automated monitoring of conformance with accessibility standards, including WCAG 2.2, currently records a score of 83.3 for this site; details can be found below.

Assessment approach

The IET assesses the accessibility these sites using the following approaches:

- self-evaluation (manual audits, automated monitoring)
- external evaluation (engaging external agencies to review specific sites)

Limitations and alternatives

Despite our ongoing efforts to ensure accessibility of our sites, there are some limitations. Below is a description of known issues, and potential solutions. This list is unlikely to be exhaustive; please contact us (see details above) if you observe an accessibility issue not described here.

Issues

The following issues have been reported by our automated monitoring tool and need addressing.

Issues	Conformance	Success criteria	Abilities affected
Interactive element does not meet enhanced size	AAA	2.5.5: Target Size (Enhanced)	Mobility
Line height is below minimum value	AAA	1.4.8: Visual Presentation	Cognition, Reading
Font size is fixed	AAA	1.4.8: Visual Presentation	Cognition, Reading, Vision
Image missing a text alternative	A	1.1.1: Non-text Content	Vision
Button missing a text alternative	A	4.1.2: Name, Role, Value	Vision
Link missing a text alternative	A	2.4.4: Link Purpose (In Context), 2.4.9: Link Purpose (Link Only), 4.1.2: Name, Role, Value	Cognition, Mobility, Vision

Skip to main content link is missing	Accessibility best practices	Accessibility best practices	Mobility, Vision
Text not included in an ARIA landmark	WAI-ARIA authoring practices	WAI-ARIA authoring practices	Vision
Colour contrast does not meet enhanced requirement	AAA	1.4.6: Contrast (Enhanced)	Colour perception, Vision
Colour contrast does not meet minimum requirement	AA	1.4.3: Contrast (Minimum)	Colour perception, Vision
Headings are not structured	Accessibility best practices	Accessibility best practices	Cognition, Vision
Links are not clearly identifiable	A	1.4.1: Use of Colour	Cognition, Colour perception, Vision
Grouped form controls missing an accessible name	Accessibility best practices	Accessibility best practices	Vision
Interactive element does not meet minimum size nor spacing	AA	2.5.8: Target Size (Minimum)	Mobility
Content missing after heading	Accessibility best practices	Accessibility best practices	Cognition

Potential issues

The following issues have been reported by our automated monitoring tool and need further investigation

Potential issues	Conformance	Success criteria	Abilities affected
Is it clear which page element has focus from the keyboard?	AA	2.4.7: Focus Visible	Cognition, Mobility
Is there a minimum contrast ratio between the text and background?	AA	1.4.3: Contrast (Minimum)	Colour perception, Vision

Is there an enhanced contrast ratio between the text and background?	AAA	1.4.6: Contrast (Enhanced)	Colour perception, Vision
Are these links identical?	AAA	2.4.9: Link Purpose (Link Only)	Cognition, Vision

Interactive functionality

Further manual investigation has been carried out to evaluate the more complex interactive elements of the site, and has identified the following issues:

Category page, e.g. <https://shop.theiet.org/product-category/energy-engineering>

- Keyboard trap in Filters menu; expanders do not receive keyboard focus, headings are not announced by screen reader
- Poor visible focus indicator on 'Add to cart' button
- Tab order does not reflect visual order of elements within each item in list: "Add to cart" button is announced *before* related title
- Cover images: alt text repeats title
- Cannot access shopping cart from this page (except by re-loading page and tabbing to link in header)
- Pagination controls are not properly described by screen reader

Product page e.g. <https://shop.theiet.org/engineering-the-metaverse>

- "Add to cart" button is announced *before* content describing product (although visually placed to the right of this content)
- "Add to cart" button: no audible confirmation that item has been added, modal is not announced by screen reader; visually impaired users will not know that the action has been performed successfully, and may therefore add multiple copies in error

Shopping cart

<https://shop.theiet.org/Shop/Cart>

- No visible focus indicator on buttons
- Control to remove item from cart is not accurately announced by screen reader

Review order page

- No visible focus indicator on links to update addresses, 'Pay now' button
- Link to amend product quantity cannot be accessed by keyboard

Formal approval of this accessibility statement

This Accessibility Statement is approved by:

Stewart Love
Head of Digital Services
The IET

Feedback and formal complaints

We're working continuously to improve the accessibility of our sites. If you find any problems not listed on this page or think we're not meeting accessibility requirements, please let us know:

- Phone: +44 (0)1438 313311
- Email: webmaster@theiet.org
- Post: The IET, Futures Place, Six Hills Way, Stevenage SG1 2UA
- X/Twitter: @TheIET

Appendix 1 – Detailed breakdown of compliance score

Conformance	Issue name	Issue score
A	Empty headings	100/100
A	Page missing a title	100/100
A	All roles are invalid	100/100
A	Role not inside the required context	100/100
A	Container element is empty	100/100
A	Links are not clearly identifiable	0.02/100
A	Hidden element has focusable content	100/100
A	Form field missing a label	100/100
A	Scrollable element is not keyboard accessible	100/100
A	Role with implied hidden content has keyboard focus	100/100
A	Link missing a text alternative	28.14/100
A	Button missing a text alternative	20.21/100
A	Image missing a text alternative	11.56/100
A	Page language has not been identified	100/100
A	Page language not recognised	100/100
A	Links in the same context with the same text alternative	100/100
A	Required ARIA attribute is missing	100/100
A	Page language tags don't match	100/100
A	Audio plays automatically and can't be switched off	100/100

A	Visible label and accessible name do not match	100/100
A	Video missing captions	100/100
A	Multiple inline frames with the same text alternative	100/100
A	Vector image missing a text alternative	100/100
A	Table headers aren't referenced correctly	100/100
A	Object missing a text alternative	100/100
A	Audio missing a transcript	100/100
A	Field input error is not announced in full	100/100
A	Table header cell is missing a header role	100/100
A	Table cell missing context	100/100
A	Video without audio missing an accessible alternative	100/100
A	Page refreshes or redirects without warning (within 20 hours)	100/100
A	Image button missing a text alternative	100/100
A	No data cells assigned to table header	100/100
A	Video with audio missing an accessible alternative	100/100
A	Decorative image is exposed to assistive technologies	100/100
A	Inline frame missing a text alternative	100/100
A	Image file name is not an appropriate text alternative	100/100
A	Menu item missing a text alternative	100/100

AA	Interactive element does not meet minimum size nor spacing	80.69/100
AA	Keyboard focus indicator is missing	100/100
AA	Colour contrast does not meet minimum requirement	89.98/100
AA	Text is clipped when resized	100/100
AA	Content language not recognised	100/100
AA	Page orientation is locked	100/100
AA	Video missing an audio-description	100/100
AA	Autocomplete does not work as intended	100/100
AA	Line height does not meet minimum requirement	100/100
AA	Letter spacing does not meet minimum requirement	100/100
AA	Word spacing does not meet minimum requirement	100/100
AA	Page zoom is restricted	100/100
AAA	Colour contrast does not meet enhanced requirement	88.34/100
AAA	Page refreshes or redirects without warning	100/100
AAA	Line height is fixed	100/100
AAA	Interactive element does not meet enhanced size	1.16/100
AAA	Font size is fixed	11.84/100
AAA	Line height is below minimum value	4.06/100
AAA	Links on the same page with the same text alternative	100/100
AAA	Uneven spacing in text	100/100
WAI-ARIA authoring practices	Text not included in an ARIA landmark	3.44/100

WAI-ARIA authoring practices	ARIA attribute does not exist	100/100
WAI-ARIA authoring practices	Page region missing an accessible name	100/100
WAI-ARIA authoring practices	Invalid state or property	100/100
WAI-ARIA authoring practices	ARIA attribute unsupported or prohibited	100/100
WAI-ARIA authoring practices	Page sections with the same name do not serve the same purpose	100/100
Accessibility best practices	Presentational element is exposed to assistive technologies	100/100
Accessibility best practices	Grouped form controls missing an accessible name	0/100
Accessibility best practices	Overuse of italics	100/100
Accessibility best practices	Content missing after heading	88.9/100
Accessibility best practices	Improper use of preformatted text element	100/100
Accessibility best practices	Page missing headings	100/100
Accessibility best practices	Headings are not structured	18.29/100
Accessibility best practices	Skip to main content link is missing	0/100
Accessibility best practices	Page does not start with a level 1 heading	100/100
Accessibility best practices	Font size is too small	100/100
Accessibility best practices	Text in all caps	100/100
Accessibility best practices	HTML element is deprecated or obsolete	100/100
Accessibility best practices	Some roles are invalid	100/100