

# 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
<b>Event: Railway Electrification</b>	<b>90.9</b>
Site URL	Last reviewed date
<a href="https://railwayelectrification.theiet.org">https://railwayelectrification.theiet.org</a>	<b>26/09/2024</b>

This statement and its format were created using the Tool. See also: <https://www.gov.uk/government/publications/sample-accessibility-statement/sample-accessibility-statement-for-a-fictional-public-sector-website>

## Table of contents

Measures to support accessibility.....	1
Technical specifications.....	2
Compatibility with browsers and assistive technology .....	2
Conformance status.....	2
Assessment approach .....	3
Limitations and alternatives .....	3
Formal approval of this accessibility statement.....	4
Feedback and formal complaints.....	5
Appendix 1 – Detailed breakdown of compliance score .....	6

## 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 90.9 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
<b>Interactive element does not meet enhanced size</b>	AAA	2.5.5: Target Size (Enhanced)	Mobility
<b>Link missing a text alternative</b>	A	2.4.4: Link Purpose (In Context), 2.4.9: Link Purpose (Link Only), 4.1.2: Name, Role, Value	Cognition, Mobility, Vision
<b>Interactive element does not meet minimum size nor spacing</b>	AA	2.5.8: Target Size (Minimum)	Mobility
<b>Colour contrast does not meet enhanced requirement</b>	AAA	1.4.6: Contrast (Enhanced)	Colour perception, Vision
<b>Headings are not structured</b>	Accessibility best practices	Accessibility best practices	Cognition, Vision
<b>Inline frame missing a text alternative</b>	A	4.1.2: Name, Role, Value	Vision

<b>Empty headings</b>	A	1.3.1: Info and Relationships	Vision
<b>Text in all caps</b>	Accessibility best practices	Accessibility best practices	Cognition, Reading
<b>Content missing after heading</b>	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
Do page sections with the same name serve the same purpose?	WAI-ARIA authoring practices	WAI-ARIA authoring practices	
Is there an enhanced contrast ratio between the text and background?	AAA	1.4.6: Contrast (Enhanced)	Colour perception, Vision

## Interactive functionality

Further manual investigation will be required to evaluate the more complex interactive elements of the site.

## 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](mailto: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	Links are not clearly identifiable	100/100
A	Table header cell is missing a header role	100/100
A	Table cell missing context	100/100
A	Page missing a title	100/100
A	Image missing a text alternative	100/100
A	Page language has not been identified	100/100
A	Page language not recognised	100/100
A	Page language tags don't match	100/100
A	Form field missing a label	100/100
A	Page refreshes or redirects without warning (within 20 hours)	100/100
A	Link missing a text alternative	68.7/100
A	Button missing a text alternative	100/100
A	Inline frame missing a text alternative	0/100
A	Visible label and accessible name do not match	100/100
A	Multiple inline frames with the same text alternative	100/100
A	Required ARIA attribute is missing	100/100
A	Hidden element has focusable content	100/100
A	Video missing captions	100/100
A	Image button missing a text alternative	100/100

A	Audio missing a transcript	100/100
A	Video without audio missing an accessible alternative	100/100
A	Video with audio missing an accessible alternative	100/100
A	Image file name is not an appropriate text alternative	100/100
A	Role not inside the required context	100/100
A	Vector image missing a text alternative	100/100
A	Table headers aren't referenced correctly	100/100
A	No data cells assigned to table header	100/100
A	Audio plays automatically and can't be switched off	100/100
A	Field input error is not announced in full	100/100
A	Object missing a text alternative	100/100
A	Empty headings	86.87/100
A	Role with implied hidden content has keyboard focus	100/100
A	Decorative image is exposed to assistive technologies	100/100
A	Container element is empty	100/100
A	Links in the same context with the same text alternative	100/100
A	Scrollable element is not keyboard accessible	100/100
A	Menu item missing a text alternative	100/100
A	All roles are invalid	100/100
AA	Keyboard focus indicator is missing	100/100

AA	Content language not recognised	100/100
AA	Autocomplete does not work as intended	100/100
AA	Video missing an audio-description	100/100
AA	Page orientation is locked	100/100
AA	Page zoom is restricted	100/100
AA	Colour contrast does not meet minimum requirement	100/100
AA	Letter spacing does not meet minimum requirement	100/100
AA	Text is clipped when resized	100/100
AA	Word spacing does not meet minimum requirement	100/100
AA	Line height does not meet minimum requirement	100/100
AA	Interactive element does not meet minimum size nor spacing	68.81/100
AAA	Links on the same page with the same text alternative	100/100
AAA	Colour contrast does not meet enhanced requirement	74.84/100
AAA	Uneven spacing in text	100/100
AAA	Line height is below minimum value	100/100
AAA	Font size is fixed	100/100
AAA	Line height is fixed	100/100
AAA	Page refreshes or redirects without warning	100/100
AAA	Interactive element does not meet enhanced size	1.48/100
WAI-ARIA authoring practices	ARIA attribute unsupported or prohibited	100/100
WAI-ARIA authoring practices	Invalid state or property	100/100



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	Page sections with the same name do not serve the same purpose	100/100
WAI-ARIA authoring practices	Text not included in an ARIA landmark	100/100
Accessibility best practices	HTML element is deprecated or obsolete	100/100
Accessibility best practices	Skip to main content link is missing	100/100
Accessibility best practices	Content missing after heading	85.57/100
Accessibility best practices	Improper use of preformatted text element	100/100
Accessibility best practices	Some roles are invalid	100/100
Accessibility best practices	Headings are not structured	58.08/100
Accessibility best practices	Page missing headings	100/100
Accessibility best practices	Grouped form controls missing an accessible name	100/100
Accessibility best practices	Page does not start with a level 1 heading	100/100
Accessibility best practices	Text in all caps	66.32/100
Accessibility best practices	Font size is too small	100/100
Accessibility best practices	Overuse of italics	100/100
Accessibility best practices	Presentational element is exposed to assistive technologies	100/100