The Institute of Engineering and Technology Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: IET Digital Library

Report Date: 30/07/2021

Product Description: Global repository for the IET's digital content

Contact Information: ietdl.production@theiet.org

Notes: N/A

Evaluation Methods Used:

Testing was carried out by All Able Ltd on a sample of the website provided by the IET.

The sample included the following:

- Optimal battery sizing for a distribution network in Austria to maximise profits and reliability
- Communication Technologies for Networked Smart Cities
- Subscribe
- Frequently asked questions
- Contacts

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• Home

Testing included a mix of manual, assistive technology and automated testing with the following tools:

- Chrome 83.04.4103.116
- Microsoft Edge 44.18362.449.0
- NVDA (Non-Visual Desktop Access) screen reader 2019.2.1.18844
- IOS Voiceover
- Dragon Naturally Speaking
- Axe Beta accessibility checker
- Windows and IOS magnifiers
- Windows High Contrast Modes
- Edge and Chrome browser settings including magnification and text size changes
- No styles views
- Keyboard control
- Chrome developer tools
- HeadingsMap extension

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.1	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- Partially Supports: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- Not Applicable: The criterion is not relevant to the product.
- Not Evaluated: The product has not been evaluated against the criterion. This can be used only in WCAG 2.1 Level AAA.

WCAG 2.1 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 501.1 Scope
- Chapter 6 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.1 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.1 Conformance Requirements.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)		Web: Some images on pages do not have appropriate
Also applies to:	Web: Partially Supports	alt text description in context, for example banner
Revised Section 508 501 (Web)		images on the home page.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
Revised Section 508 501 (Web)		
1.2.2 Captions (Prerecorded) (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
1.3.1 Info and Relationshins (Lovel A)		Web: Some elements are created as lists (e.g Latest
1.3.1 Info and Relationships (Level A) Also applies to:	Web: Partially Supports	News and Most Cited Content) but are not structured
Revised Section 508 501 (Web)	web. Fartially Supports	correctly with some content items being an unordered
* Revised Section 508 501 (Web)		list of one item.
1.3.2 Meaningful Sequence (Level A)		Web: All content in scope presented in meaningful
Also applies to:	Web: Supports	sequence and order is maintained across multiple view
 Revised Section 508 501 (Web) 		options.
1.3.3 Sensory Characteristics (Level A)		Mah, No content using single conservaborastoristics to
Also applies to:	Web: Supports	Web: No content using single sensory characteristics to provide information.
Revised Section 508 501 (Web)		provide information.
1.4.1 Use of Color (Level A)		Mah. Calaur not used as sale mosthed of convenien
Also applies to:	Web: Supports	Web: Colour not used as sole method of conveying
 Revised Section 508 501 (Web) 		meaning.
1.4.2 Audio Control (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
Revised Section 508 501 (Web)		
2.1.1 Keyboard (Level A)	Web: Partially Supports	Web: The 'Go to section' navigation elements are not

Criteria	Conformance Level	Remarks and Explanations
Also applies to:		accessible by keyboard.
 Revised Section 508 501 (Web) 		
2.1.2 No Keyboard Trap (Level A)		
Also applies to:	Web: Supports	Web: No instances of keyboard traps in scope.
 Revised Section 508 501 (Web) 		
2.2.1 Timing Adjustable (Level A)		Mah. The Cookies non up does not stay on sereen long
Also applies to:	Web: Partially Supports	Web: The Cookies pop up does not stay on screen long enough for all users to perceive or interact with.
 Revised Section 508 501 (Web) 		enough for all users to perceive of interact with.
2.2.2 Pause, Stop, Hide (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
2.3.1 Three Flashes or Below Threshold (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
2.4.1 Bypass Blocks (Level A)		Web: There is no skip to content link to help keyboard
Also applies to:	Web: Does Not Support	users bypass the main navigation menus.
 Revised Section 508 501 (Web) 		
2.4.2 Page Titled (Level A)		Mah. All magas have along page titles in good prosting
Also applies to:	Web: Supports	Web: All pages have clear page titles in good practice
 Revised Section 508 501 (Web) 		format.
2.4.3 Focus Order (Level A)		
Also applies to:	Web: Supports	Web: Content presented in acceptable focus order.
 Revised Section 508 501 (Web) 		
2.4.4 Link Purpose (In Context) (Level A)		
Also applies to:	Web: Supports	Web: Link descriptions acceptable in context.
 Revised Section 508 501 (Web) 		
2.5.1 Pointer Gestures (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
2.5.2 Pointer Cancellation (Level A)		
Also applies to:	Web: Supports	
 Revised Section 508 501 (Web) 		

Criteria	Conformance Level	Remarks and Explanations
2.5.3 Label in Name (Level A)		
Also applies to:	Web: Supports	
 Revised Section 508 501 (Web) 		
2.5.4 Motion Actuation (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
3.1.1 Language of Page (Level A)		
Also applies to:	Web: Supports	Web: Language of page set on all pages checked.
 Revised Section 508 501 (Web) 		
3.2.1 On Focus (Level A)		
Also applies to:	Web: Supports	Web: No unexpected actions occur on focus.
 Revised Section 508 501 (Web) 		
3.2.2 On Input (Level A)		
Also applies to:	Web: Supports	Web: No unexpected actions occur on input.
 Revised Section 508 501 (Web) 		
3.3.1 Error Identification (Level A)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
3.3.2 Labels or Instructions (Level A)		Web: The search field within the nav bar does not have
Also applies to:	Web: Partially Supports	a label set.
Revised Section 508 501 (Web)	vves. Furtially Supports	The All Content menu does not have label to describe its
Nevised Section 500 501 (Wes)		purpose.
4.1.1 Parsing (Level A)		Web: Some validation errors across all pages but do not
Also applies to:	Web: Partially supports	specifically impact user journeys.
Revised Section 508 501 (Web)	, , , , , , , , , , , , , , , , , , ,	Some equation content using MathJax is not read out to
,		screen reader users effectively.
4.1.2 Name, Role, Value (Level A)		L
Also applies to:	Web: Supports	Web:
Revised Section 508 501 (Web)		

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
1.2.5 Audio Description (Prerecorded) (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
1.3.4 Orientation (Level AA)		
Also applies to:	Web: Supports	
 Revised Section 508 501 (Web) 		
1.3.5 Identify Input Purpose (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
 Revised Section 508 501 (Web) 		
1.4.3 Contrast (Minimum) (Level AA)		Walta Cama alamanta in assua such as the Cashina man
Also applies to:	Web: Partially Supports	Web: Some elements in scope such as the Cookies pop up do not meet minimum contrast standards.
 Revised Section 508 501 (Web) 		
1.4.4 Resize text (Level AA)		
Also applies to:	Web: Supports	Web: Text can be resized up to 200%
 Revised Section 508 501 (Web) 		· ·
1.4.5 Images of Text (Level AA)		Wales Come income and in test and do not also include
Also applies to:	Web: Partially Supports	Web: Some images contain text and do not also include
 Revised Section 508 501 (Web) 		appropriate alternatives.
1.4.10 Reflow (Level AA)		Male. The site decrees affectively at any level of
Also applies to:	Web: Does Not Support	Web: The site does not reflow effectively at any level of
 Revised Section 508 501 (Web) 		significant magnification
1.4.11 Non-text Contrast (Level AA)		
Also applies to:	Web: Supports	
 Revised Section 508 501 (Web) 		
1.4.12 Text Spacing (Level AA)	Mah. Daga Nat Sugar	Web: Across the site, pages cannot be adjusted to meet
Also applies to:	Web: Does Not Support	WCAG requirements for text spacing.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 501 (Web)		
1.4.13 Content on Hover or Focus (Level AA)		
Also applies to:	Web: Supports	
 Revised Section 508 501 (Web) 		
2.4.5 Multiple Ways (Level AA)		
Also applies to:	Web: Supports	Web: There are multiple options for navigation.
 Revised Section 508 501 (Web) 		
2.4.6 Headings and Labels (Level AA)		
Also applies to:	Web: Supports	Web: Headings are descriptive in context
 Revised Section 508 501 (Web) 		
2.4.7 Focus Visible (Level AA)	Make Doubielle Composite	Web: There is inconsistent focus indication across all pages. Some content does not receive focus indication
Also applies to: • Revised Section 508 501 (Web)	Web: Partially Supports	while for other content the focus is not significantly visible.
3.1.2 Language of Parts (Level AA)	İ	Mala Cantant manatanan inanan tahan
Also applies to:	Web: Supports	Web: Content meets requirement where other
 Revised Section 508 501 (Web) 		languages occur on pages.
3.2.3 Consistent Navigation (Level AA)		
Also applies to:	Web: Supports	Web: Navigation presented consistently.
 Revised Section 508 501 (Web) 		
3.2.4 Consistent Identification (Level AA)		
Also applies to:	Web: Supports	Web: Element identification is consistent across scope.
 Revised Section 508 501 (Web) 		
3.3.3 Error Suggestion (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
Revised Section 508 501 (Web)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
Revised Section 508 501 (Web)		
4.1.3 Status Messages (Level AA)		
Also applies to:	Web: Not Applicable	Web: No content in scope applicable.
Revised Section 508 501 (Web)		

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.2.9 Audio-only (Live) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.4.6 Contrast (Enhanced) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.4.7 Low or No Background Audio (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.4.8 Visual Presentation (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
1.4.9 Images of Text (No Exception) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Treat trainage	
2.1.3 Keyboard (No Exception) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	110011101 = 101000	
2.2.3 No Timing (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply		
2.2.4 Interruptions (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	VVCD. NOC EVALUATED	
2.2.5 Re-authenticating (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply		
2.3.2 Three Flashes (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply		
2.4.8 Location (Level AAA)	Web: Not Evaluated	

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 – Does not apply		
2.4.9 Link Purpose (Link Only) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
2.4.10 Section Headings (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.1.3 Unusual Words (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.1.4 Abbreviations (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.1.5 Reading Level (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.1.6 Pronunciation (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.2.5 Change on Request (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	Web. Not Evaluated	
3.3.5 Help (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply		
3.3.6 Error Prevention (All) (Level AAA)	Web: Not Evaluated	
Revised Section 508 – Does not apply	VVCS. NOC Evaluated	

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	There are some sections of content which do not provide alternate equal delivery to screen readers.
302.2 With Limited Vision	Partially Supports	Resizing of text and content can be completed and contrast adjusted, while adjusting text spacing and reflow is not possible.
302.3 Without Perception of Color	Supports	Content can be adjusted and viewed without use of colour.
302.4 Without Hearing	Supports	No audio cues inherent to content in scope.
302.5 With Limited Hearing	Supports	No audio cues inherent to content in scope.
302.6 Without Speech	Supports	
302.7 With Limited Manipulation	Partially Supports	Some content cannot be fully controlled with keyboard.
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Not Evaluated	Scope includes higher education level content of significant complexity including Jargon.

Chapter 4: Hardware

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality	Heading cell – no response required	Heading cell – no response required
402.1 General	Heading cell – no response required	Heading cell – no response required
402.2 Speech-Output Enabled	Heading cell – no response required	Heading cell – no response required
402.2.1 Information Displayed On-Screen	Not Applicable	
402.2.2 Transactional Outputs	Not Applicable	
402.2.3 Speech Delivery Type and Coordination	Not Applicable	
402.2.4 User Control	Not Applicable	
402.2.5 Braille Instructions	Not Applicable	
402.3 Volume	Heading cell – no response required	Heading cell – no response required
402.3.1 Private Listening	Not Applicable	
402.3.2 Non-private Listening	Not Applicable	
402.4 Characters on Display Screens	Not Applicable	
402.5 Characters on Variable Message Signs	Not Applicable	
403 Biometrics	Heading cell – no response required	Heading cell – no response required
403.1 General	Not Applicable	
404 Preservation of Information Provided for Accessibility	Heading cell – no response required	Heading cell – no response required
404.1 General	Not Applicable	
<u>405 Privacy</u>	Heading cell – no response required	Heading cell – no response required
405.1 General	Not Applicable	
406 Standard Connections	Heading cell – no response required	Heading cell – no response required
406.1 General	Not Applicable	
407 Operable Parts	Heading cell – no response required	Heading cell – no response required
407.2 Contrast	Not Applicable	
407.3 Input Controls	Heading cell – no response required	Heading cell – no response required
407.3.1 Tactilely Discernible	Not Applicable	
407.3.2 Alphabetic Keys	Not Applicable	
407.3.3 Numeric Keys	Not Applicable	
407.4 Key Repeat	Not Applicable	
407.5 Timed Response	Not Applicable	
407.6 Operation	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
407.7 Tickets, Fare Cards, and Keycards	Not Applicable	
407.8 Reach Height and Depth	Heading cell – no response required	Heading cell – no response required
407.8.1 Vertical Reference Plane	Not Applicable	
407.8.1.1 Vertical Plane for Side Reach	Not Applicable	
407.8.1.2 Vertical Plane for Forward Reach	Not Applicable	
407.8.2 Side Reach	Not Applicable	
407.8.2.1 Unobstructed Side Reach	Not Applicable	Ì
407.8.2.2 Obstructed Side Reach	Not Applicable	Ì
407.8.3 Forward Reach	Not Applicable	
407.8.3.1 Unobstructed Forward Reach	Not Applicable	
407.8.3.2 Obstructed Forward Reach	Not Applicable	
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach	Not Applicable	
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach	Not Applicable	
408 Display Screens	Heading cell – no response required	Heading cell – no response required
408.2 Visibility	Not Applicable	
408.3 Flashing	Not Applicable	
<u>409 Status Indicators</u>	Heading cell – no response required	Heading cell – no response required
409.1 General	Not Applicable	
410 Color Coding	Heading cell – no response required	Heading cell – no response required
110.1 General	Not Applicable	
411 Audible Signals	Heading cell – no response required	Heading cell – no response required
111.1 General	Not Applicable	
412 ICT with Two-Way Voice Communication	Heading cell – no response required	Heading cell – no response required
412.2 Volume Gain	Heading cell – no response required	Heading cell – no response required
412.2.1 Volume Gain for Wireline Telephones	Not Applicable	
412.2.2 Volume Gain for Non-Wireline ICT	Not Applicable	
412.3 Interference Reduction and Magnetic Coupling	Heading cell – no response required	Heading cell – no response required
412.3.1 Wireless Handsets	Not Applicable	
412.3.2 Wireline Handsets	Not Applicable	
412.4 Digital Encoding of Speech	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
412.5 Real-Time Text Functionality	Not Applicable	
412.6 Caller ID	Not Applicable	
412.7 Video Communication	Not Applicable	
412.8 Legacy TTY Support	Heading cell – no response required	Heading cell – no response required
412.8.1 TTY Connectability	Not Applicable	
412.8.2 Voice and Hearing Carry Over	Not Applicable	
412.8.3 Signal Compatibility	Not Applicable	
412.8.4 Voice Mail and Other Messaging Systems	Not Applicable	
413 Closed Caption Processing Technologies	Heading cell – no response required	Heading cell – no response required
413.1.1 Decoding and Display of Closed Captions	Not Applicable	
413.1.2 Pass-Through of Closed Caption Data	Not Applicable	
414 Audio Description Processing Technologies	Heading cell – no response required	Heading cell – no response required
414.1.1 Digital Television Tuners	Not Applicable	
414.1.2 Other ICT	Not Applicable	
415 User Controls for Captions and Audio Descriptions	Heading cell – no response required	Heading cell – no response required
415.1.1 Caption Controls	Not Applicable	
415.1.2 Audio Description Controls	Not Applicable	

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.1 section	See information in WCAG 2.1 section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supports	
502.2.2 No Disruption of Accessibility Features	Supports	
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not Applicable	
502.3.2 Modification of Object Information	Not Applicable	
502.3.3 Row, Column, and Headers	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
502.3.4 Values	Not Applicable	
502.3.5 Modification of Values	Not Applicable	
502.3.6 Label Relationships	Not Applicable	
502.3.7 Hierarchical Relationships	Not Applicable	
502.3.8 Text	Not Applicable	
502.3.9 Modification of Text	Not Applicable	
502.3.10 List of Actions	Not Applicable	
502.3.11 Actions on Objects	Not Applicable	
502.3.12 Focus Cursor	Not Applicable	
502.3.13 Modification of Focus Cursor	Not Applicable	
502.3.14 Event Notification	Not Applicable	
502.4 Platform Accessibility Features	Not Applicable	
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not Applicable	
503.3 Alternative User Interfaces	Not Applicable	
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	
503.4.2 Audio Description Controls	Not Applicable	
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	Not Applicable	
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	
504.2.2 PDF Export	Not Applicable	
504.3 Prompts	Not Applicable	
504.4 Templates	Not Applicable	

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Partially Supports	Documentation to be improved
602.3 Electronic Support Documentation	Partially supports	Documentation to be improved
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Partially Supports	
603.3 Accommodation of Communication Needs	Supports	