UNICON

Federation Manager - Eduroam Workflow

Voluntary Product Accessibility Report

Prepared for Internet2

20220418SZ – VPAT for Section 508 Compliance

June 2, 2022

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Accessibility Conformance Report

VPAT Template used: Revised Section 508 Edition

Based on VPAT Version 2.4Rev

- Name of Product/Version: Federation Manager
- Report Date: May 17, 2022
- Product Description: Eduroam workflow
- Contact Information: [Internet2 to populate]
- Notes: This evaluation only refers to the Eduroam workflow of the Federation Manager.
- Evaluation Methods Used: Conformance to the listed accessibility standards has been evaluated by Unicon using a combination of static analysis tools and manual testing with assistive technologies. These tools include: Axe plugin for Firefox, NVDA on Windows, and VoiceOver on macOS.

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 2.0	- 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 2.0 Level AAA.

WCAG 2.0 Report

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

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

NOTE: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.0 Conformance Requirements.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	The site provides sufficient text alternatives for instances of non-text content.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	The product does not include any audio-only or video-only media.
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	The Federation Manager does not include media content.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	The product does not use synchronised media.
1.3.1 Info and Relationships (Level A)	Supports	Information and relationships can be programmatically determined or are available in text.
1.3.2 Meaningful Sequence (Level A)	Supports	The product content is presented in a way that can be sequentially or programmatically determined.
1.3.3 Sensory Characteristics (Level A)	Supports	The product does not depend solely on sensory characteristics such as shape, size, visual location, orientation, or sound to understand content.

[1.4.1 Use of Color (Level A)](#)	Supports	The product does not use colors as the only visual means of conveying information.
[1.4.2 Audio Control (Level A)](#)	Not Applicable	The product does not include auto-playing audio or provide the ability for user generated audio to automatically play.
[2.1.1 Keyboard (Level A)](#)	Supports	The product is operable through a keyboard.
[2.1.2 No Keyboard Trap (Level A)](#)	Supports	The product does not include keyboard traps.
[2.2.1 Timing Adjustable (Level A)](#)	Partially Supports	The product uses a heartbeat to keep the session alive for a satisfactory length of time to accomplish tasks in some areas, but not throughout the application.
[2.2.2 Pause, Stop, Hide (Level A)](#)	Supports	The product does not include any moving, blinking, or scrolling content that lasts for more than 5 seconds. Information that is auto-updated is essential for showing correct status.
[2.3.1 Three Flashes or Below Threshold (Level A)](#)	Not Applicable	The product does not include flashing content.
[2.4.1 Bypass Blocks (Level A)](#)	Supports	The product provides the ability to skip the primary blocks of navigation and sub-navigation.
[2.4.2 Page Titled (Level A)](#)	Supports	Each page of the product includes titles that describe the topic or purpose.

[2.4.3 Focus Order (Level A)](#)	Supports	The product uses a logical tab order and consistent keyboard keys to perform actions.
[2.4.4 Link Purpose (In Context) (Level A)](#)	Supports	The product includes the purpose of each link.
[3.1.1 Language of Page (Level A)](#)	Supports	The product uses the language attribute on the HTML element to specify the default language of a page.
[3.2.1 On Focus (Level A)](#)	Supports	The product does not initiate a change of context when a component receives focus.
[3.2.2 On Input (Level A)](#)	Supports	The product does not initiate a change of context when a value setting is changed unless specified by the actionable area.
[3.3.1 Error Identification (Level A)](#)	Supports	The product identifies and provides suggestions for how to mitigate input errors.
[3.3.2 Labels or Instructions (Level A)](#)	Supports	The product ensures that labels or instructions are provided for inputs.
[4.1.1 Parsing (Level A)](#)	Supports	The product ensures that user agents, including assistive technologies, can accurately interpret and parse content.
[4.1.2 Name, Role, Value (Level A)](#)	Supports	The product allows the name, role, or value to be programmatically determined or set.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
[1.2.4 Captions (Live) (Level AA)](#)	Not Applicable	This criterion is not relevant because the product does not use synchronised media.
[1.2.5 Audio Description (Prerecorded) (Level AA)](#)	Not Applicable	This criterion is not relevant because the product does not use synchronised media.
[1.4.3 Contrast (Minimum) (Level AA)](#)	Supports	The visual presentation of text and images of text has a contrast ratio of at least 4.5:1.
[1.4.4 Resize text (Level AA)](#)	Supports	The product supports the use of standard zoom capabilities built into modern web browsers.
[1.4.5 Images of Text (Level AA)](#)	Supports	The product does not use images of text.
[2.4.5 Multiple Ways (Level AA)](#)	Supports	The product provides multiple ways to locate and navigate to a page.
[2.4.6 Headings and Labels (Level AA)](#)	Supports	The product uses descriptive headings and labels to describe the purpose or topic on a page.
[2.4.7 Focus Visible (Level AA)](#)	Supports	The product uses visual changes to elements to indicate the current focus position.

[3.1.2 Language of Parts (Level AA)](#)	Supports	The human language of each passage or phrase in the content can be programmatically determined.
[3.2.3 Consistent Navigation (Level AA)](#)	Supports	The product consistently repeats navigation controls across pages.
[3.2.4 Consistent Identification (Level AA)](#)	Supports	The product uses components that have consistent functionality across pages.
[3.3.3 Error Suggestion(Level AA)](#)	Supports	The product ensures that labels or instructions are provided for inputs.
[3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)](#)	Supports	The product ensures that when legal commitments or financial transactions occur users have the ability to correct validated input errors, review and confirm submission prior to submitting data, or reverse the submission.

Table 3: Success Criteria, Level AAA

Notes: The Federation Manager EduRoam product has not been evaluated for WCAG 2.0 Level AAA conformance.

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Chapter 3: Functional Performance Criteria

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	The product uses standard coding in order to support assistive technology. See WCAG 2.0 section for more information on what is not supported.
302.2 With Limited Vision	Supports	The product does not override any built-in screen magnification provided by the browser or assistive device.
302.3 Without Perception of Color	Supports	The product does not use colors as the only visual means of conveying information.
302.4 Without Hearing	Not applicable	This criterion is not relevant because the product does not include audio-only features that require hearing to be used.
302.5 With Limited Hearing	Not applicable	This criterion is not relevant because the product does not include audio-only features that require hearing to be used.
302.5 With Limited Hearing	Not applicable	This criterion is not relevant because the product does not include audio-only features that require hearing to be used.
302.7 With Limited Manipulation	Supports	The product does not depend on fine motor skills.

302.8 With Limited Reach and Strength	Not applicable	The product does not depend on reach or strength.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The product provides accessibility features that make its use by individuals with limited language, cognitive, and learning abilities simpler and easier.

Chapter 4: Hardware

Notes: The Federation Manager product is a web application and is not subject to the requirements of this section.

Chapter 5: Software

The requirements of Chapter 5 shall apply to software where required by 508 Chapter 2 (Scoping Requirements), 255 Chapter 2 (Scoping Requirements), and where otherwise referenced in any other chapter of the Revised 508 Standards or Revised 255 Guidelines.

EXCEPTION: Where Web applications do not have access to platform accessibility services and do not include components that have access to platform accessibility services, they shall not be required to conform to 502 or 503 provided that they conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	Partially Supports	See Table 2 above.
502 Interoperability with Assistive Technology		

502.2.1 User Control of Accessibility Features	Not applicable	Accessibility features are incorporated into the application as a whole. At this time, there are no in-application accessibility features that must be enabled.
502.2.2 No Disruption of Accessibility Features	Not applicable	Accessibility features are not toggled on or off, and thus their availability is not disruptable.
502.3 Accessibility Services		
502.3.1 Object Information	Supports	Form elements built into the application conform to this requirement.
502.3.2 Modification of Object Information	Supports	States and properties which can be set by the user are capable of being set programmatically.
502.3.3 Row, Column, and Headers	Supports	The tables of this product use standard HTML tables with headers and are programmatically determinable.
502.3.4 Values	Supports	Current values in forms and text are programmatically determinable.
502.3.5 Modification of Values	Supports	Values that can be set by the user are capable of being set programmatically, including through assistive technology.
502.3.6 Label Relationships	Supports	Form elements are provided with a corresponding label element.

502.3.7 Hierarchical Relationships	Supports	See information in WCAG section
502.3.8 Text	Supports	The pages of this product use standard plain text in HTML.
502.3.9 Modification of Text	Supports	Values that can be set by the user are capable of being set programmatically, including through assistive technology.
502.3.10 List of Actions	See WCAG 2.0 section	See information in WCAG section
502.3.11 Actions on Objects	See WCAG 2.0 section	See information in WCAG section
502.3.12 Focus Cursor	Supports	See information in WCAG section
502.3.13 Modification of Focus Cursor	Supports	The pages of this product use standard HTML elements and cursor controls for user input that may be overridden by Assistive Technology.
502.3.14 Event Notification	See WCAG 2.0 section	See information in WCAG section
502.4 Platform Accessibility Features	Not applicable	This criterion is not relevant because the product is not a platform.
503 Applications		
503.2 User Preferences	Not applicable	This criterion is not relevant because the product is isolated from the underlying platform.

503.3 Alternative User Interfaces	Not applicable	This criterion is not relevant because the product does not have assistive technology features.
503.4 User Controls for Captions and Audio Description		
503.4.1 Caption Controls	Not applicable	See information in WCAG section
503.4.2 Audio Description Controls	Not applicable	See information in WCAG section
[504 Authoring Tools](#)		
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.0 section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	This criterion is not relevant because the product does not support file conversion or saving to multiple formats.
504.2.2 PDF Export	Not applicable	This criterion is not relevant because the product does not support export of PDF files.
504.3 Prompts	Supports	Inserting images automatically adds titles and a place for authors to describe them/set the alt text.

| 504.4 Templates | Not applicable | This criterion is not relevant because the product does not use templates to produce web content for end users. |

Chapter 6: Documentation and Support Services

601.1 Scope	Conformance Level	Remarks and Explanations
[602 Support Documentation](#)		
602.2 Accessibility and Compatibility Features		
602.3 Electronic Support Documentation	Supports	See Confluence support documentation
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	This criterion is not applicable because the product documentation is in electronic format.
[603 Support Services](#)		
603.2 Information on Accessibility and Compatibility Features	Supports	This information will be published via this VPAT.
603.3 Accommodation of Communication Needs	Supports	Support services are available in email to meet the communication needs of users.

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