# **Next Tech Accessibility Conformance Report**

# **Revised Section 508 Edition**

**(Based on VPAT**® **Version 2.4)**

## **Name of Product/Version:**

## Next Tech LearningEnvironment

## **Report Date:**

## July 14, 2020

## **Product Description:**

## This VPAT applies to the learning environment, delivered via a website embed, with the following exceptions:

* “Jupyter Notebooks”, “Jupyter Labs”, “RStudio”, “PhPMyAdmin”, “Desktop”, and “Python GUI” tabs / interfaces
* “Dark Mode” and “Dev Mode” themes
* Entry into and exit from the embedded web browser
* Rendering of the user's code as a website (including its interactions with the project interface)
* Interaction with input, output, and software inside terminal
* Any assets like images, videos, and binary files
* The file and directory sidebar
* Using browser to change zoom level
* Adjusting size of panes
* Instructional content provided by the content creator located in instructional sidebar
* Help sidebar videos are not close captioned
* Help popups (can be disabled)
* Help, maintenance, and custom configured text
* Some browsers, browser versions, and/or operating systems that introduce breaking changes
* Issues caused by use of embeds (“iframes”) into other 3rd party websites or learning tools
* Issues caused by accessing project after launch into new browser tab or window from 3rd party websites

## **Contact Information:**

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## **Evaluation Methods Used:**

## Testing is based on general product knowledge as well as collaboration with a customer in the higher education space.

### **Table 1: Success Criteria, Level A**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | | **Conformance Level** | **Remarks and Explanations** | |
| [**1.1.1 Non-text Content**](http://www.w3.org/TR/WCAG20/#text-equiv-all) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**1.2.1 Audio-only and Video-only (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-av-only-alt) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**1.2.2 Captions (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-captions) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**1.2.3 Audio Description or Media Alternative (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**1.3.1 Info and Relationships**](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Partially Supports | | | - Tasks and Quizzes in the Instructions do not have associated headings. |
| [**1.3.2 Meaningful Sequence**](http://www.w3.org/TR/WCAG20/#content-structure-separation-sequence) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Partially Supports | | | - The main region contains a navigation region which could be confusing to non-sighted users. |
| [**1.3.3 Sensory Characteristics**](http://www.w3.org/TR/WCAG20/#content-structure-separation-understanding) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**1.4.1 Use of Color**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-without-color) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**1.4.2 Audio Control**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-dis-audio) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**2.1.1 Keyboard**](http://www.w3.org/TR/WCAG20/#keyboard-operation-keyboard-operable) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.1.2 No Keyboard Trap**](http://www.w3.org/TR/WCAG20/#keyboard-operation-trapping) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.2.1 Timing Adjustable**](http://www.w3.org/TR/WCAG20/#time-limits-required-behaviors) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.2.2 Pause, Stop, Hide**](http://www.w3.org/TR/WCAG20/#time-limits-pause) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**2.3.1 Three Flashes or Below Threshold**](http://www.w3.org/TR/WCAG20/#seizure-does-not-violate) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.4.1 Bypass Blocks**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-skip) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) – Does not apply to non-web software * 504.2 (Authoring Tool) * 602.3 (Support Docs) – Does not apply to non-web docs | Supports | | |  |
| [**2.4.2 Page Titled**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-title) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.4.3 Focus Order**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-order) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.4.4 Link Purpose (In Context)**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-refs) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**3.1.1 Language of Page**](http://www.w3.org/TR/WCAG20/#meaning-doc-lang-id) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**3.2.1 On Focus**](http://www.w3.org/TR/WCAG20/#consistent-behavior-receive-focus) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**3.2.2 On Input**](http://www.w3.org/TR/WCAG20/#consistent-behavior-unpredictable-change) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Partially Supports | | | - Selections made in the Settings are immediately applied rather than allowing the user to confirm their choice. |
| [**3.3.1 Error Identification**](http://www.w3.org/TR/WCAG20/#minimize-error-identified) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**3.3.2 Labels or Instructions**](http://www.w3.org/TR/WCAG20/#minimize-error-cues) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**4.1.1 Parsing**](http://www.w3.org/TR/WCAG20/#ensure-compat-parses) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**4.1.2 Name, Role, Value**](http://www.w3.org/TR/WCAG20/#ensure-compat-rsv) (Level A)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |

### **Table 2: Success Criteria, Level AA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | | **Conformance Level** | **Remarks and Explanations** | |
| [**1.2.4 Captions (Live)**](http://www.w3.org/TR/WCAG20/#media-equiv-real-time-captions) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**1.2.5 Audio Description (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc-only) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**1.4.3 Contrast (Minimum)**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-contrast) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Partially Supports | | | - Default syntax highlighting may not have sufficient contrast. |
| [**1.4.4 Resize text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-scale) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Partially Supports | | | - The font size does not respect user preferences.  - There is no option to customize the scale of the interface. |
| [**1.4.5 Images of Text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-text-presentation) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**2.4.5 Multiple Ways**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-mult-loc) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) – Does not apply to non-web software * 504.2 (Authoring Tool) * 602.3 (Support Docs) – Does not apply to non-web docs | Not Applicable | | |  |
| [**2.4.6 Headings and Labels**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-descriptive) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**2.4.7 Focus Visible**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-visible) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |
| [**3.1.2 Language of Parts**](http://www.w3.org/TR/WCAG20/#meaning-other-lang-id) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Does Not Support | | |  |
| [**3.2.3 Consistent Navigation**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-locations) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) – Does not apply to non-web software * 504.2 (Authoring Tool) * 602.3 (Support Docs) – Does not apply to non-web docs | Supports | | |  |
| [**3.2.4 Consistent Identification**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-functionality) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) – Does not apply to non-web software * 504.2 (Authoring Tool) * 602.3 (Support Docs) – Does not apply to non-web docs | Supports | | |  |
| [**3.3.3 Error Suggestion**](http://www.w3.org/TR/WCAG20/#minimize-error-suggestions) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Not Applicable | | |  |
| [**3.3.4 Error Prevention (Legal, Financial, Data)**](http://www.w3.org/TR/WCAG20/#minimize-error-reversible) (Level AA)  Also applies to:  Revised Section 508   * 501 (Web)(Software) * 504.2 (Authoring Tool) * 602.3 (Support Docs) | Supports | | |  |

### **Table 3: Success Criteria, Level AAA**

Notes: Removed due to non-applicability.

## **Revised Section 508 Report**

### **Chapter 3:** [**Functional Performance Criteria**](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#302-functional-performance-criteria) **(FPC)**

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Conformance Level** | **Remarks and Explanations** |
| 302.1Without Vision | **Partially Supports** | See Table 1 1.3.1 and 1.3.2 |
| 302.2 With Limited Vision | **Partially Supports** | See Table 2 1.4.3 and 1.4.4 |
| 302.3Without Perception of Color | **Supports** |  |
| 302.4Without Hearing | **Not Applicable** |  |
| 302.5With Limited Hearing | **Not Applicable** |  |
| 302.6Without Speech | **Supports** |  |
| 302.7With Limited Manipulation | **Supports** |  |
| 302.8With Limited Reach and Strength | **Supports** |  |
| 302.9With Limited Language, Cognitive, and Learning Abilities | **Supports** |  |

### **Chapter 4:** [**Hardware**](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#401-general)

Notes: Removed due to non-applicability.

### **Chapter 5:** [**Software**](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#501-general)

Notes: 502 and 503 removed due to non-applicability.

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Conformance Level** | **Remarks and Explanations** |
| 501.1 Scope – Incorporation of WCAG 2.0 AA | See [WCAG 2.0](#bookmark=id.30j0zll) section | See information in WCAG 2.0 section |
| [***504 Authoring Tools***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#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”) | See [WCAG 2.0](#bookmark=id.30j0zll) section | See information in WCAG 2.0 section |
| 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**](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#601-general)

Notes: Removed due to non-applicability.

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