

Testing with Third Party Assistive Technology

MCAP GOVERNMENT AND LS MISA



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Version Control

Version	Date	Author	Change Description
1.0	8/21/2023	eMetric	Created support documentation per 2023-2024 requirements discussion with Cognia and MSDE.

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iTester and Assistive Technology

Background

iTester provides a rich suite of accessibility and accommodations features within the Student Testing Interface to assist students with special needs. Several external third-party accessibility hardware solutions and Microsoft Windows-based accessibility applications are also compatible with iTester.

iTester is developed in compliance with the World Wide Web Consortium's (W3C) Web Content Accessibility Guidelines (WCAG) 2.1, Level AA for optimal compatibility with assistive technology products and features. As part of this effort, eMetric utilizes the W3C's Accessible Rich Internet Application (ARIA) recommendation to improve the interaction between assistive technology and the testing platform. Any assistive technology products should comply with the User Agent Accessibility Guidelines (UAAG) and support the ARIA recommendation for the best user experience.

Test coordinators should ensure the "Allow Accessibility Mode" (AAM) accommodation is turned on for all students who will require Windows-based third-party accessibility software. Note that this is only available in the *Windows*® iTester Kiosk application. Owing to iTester's secure kiosk feature and variability among assistive technologies, some assistive technology software may not be compatible with iTester, even with the "Allow Accessibility Mode Testing" accommodation activated. Also note that some assistive software, including commonly used screen readers, do not require AAM to be used within the kiosk.

Test Coordinator Responsibilities

Prior to operational testing, test coordinators must utilize the Certification test to:

1. Ensure the student's assistive technology will work with iTester.
2. Determine whether the AAM accommodation must be activated to use the assistive technology.
3. Provide the student an opportunity to practice using the assistive technology with the iTester Kiosk.

If the preferred third-party assistive technology does not work well with the iTester Kiosk Allow Accessibility Mode on, then consider using the third-party software on an external stand-alone device and transcribing the student's answers into iTester in accordance with your state's transcription policy.

Some test content, such as Technology Enhanced Items, may not be fully WCAG compatible. Depending upon the test content provider and your state's accessibility and accommodations policy, an alternate form or paper test may be required.

Using Screen Reader Software

Screen readers may be used with the iTester Kiosk. eMetric tests screen reader compatibility using JAWS2021®. JAWS2021 does not require AAM to be activated to be used within the iTester Kiosk.

Using Speech-to-Text (STT) Software

Many commonly used Windows-based STT programs (for example: Windows dictation, Dragon NaturallySpeaking™) can be used with iTester without AAM activated, provided the software is running prior to launching the kiosk. Texthelp™ Read and Write can be used with AAM activated. STT programs can be used for basic dictation but editing commands (voice commands used to select and edit text that was previously dictated) will not work. If the student closes the STT application during testing, the student must exit the kiosk, restart the STT program and then re-log into the kiosk to continue testing with STT (shortcut keys cannot be used to launch the application while the kiosk is open).



Important Note: Allow Accessibility Mode reduces kiosk security controls to allow third-party software to operate in conjunction with the kiosk. If AAM is used, proctors should closely monitor students testing with this accommodation to ensure test security is not compromised.

Allow Accessibility Mode Testing

The accommodation is located on the Students page under the Accommodations tab in the iTester Portal.

The screenshot shows the 'Accommodations' tab in the iTester Portal. The 'Student Kiosk Mode' section is highlighted with a red box, and the 'Allow Accessibility Mode Testing' checkbox is checked. Other sections include 'Administration Considerations', 'Presentation Accommodations', 'Response Accommodations', 'Accommodations for EL', and 'Other Accommodations and Accessibility Features'.

Student Information	Accommodations	Classes
<p>Student Kiosk Mode</p> <p><input checked="" type="checkbox"/> Allow Accessibility Mode Testing</p> <p>Administration Considerations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Frequent Breaks <input type="checkbox"/> Separate Alternate Location <input type="checkbox"/> Small Testing Group <input type="checkbox"/> Specialized Equipment Or Furniture <input type="checkbox"/> Specified Area Or Setting <input type="checkbox"/> Time Of Day <input type="checkbox"/> Student Reads Assessment Aloud To Themselves <input type="checkbox"/> Color Contrast <p>Presentation Accommodations</p> <ul style="list-style-type: none"> <input type="checkbox"/> ASL Video <input type="checkbox"/> Assistive Technology Screen Reader <input type="checkbox"/> Assistive Technology Non-Screen Reader <input type="checkbox"/> Closed Captioning <input type="checkbox"/> Refreshable Braille Display <input type="checkbox"/> Alternate Representation Paper Test <input type="checkbox"/> Large Print <input type="checkbox"/> Braille With Tactile Graphics <input type="checkbox"/> Human Signer For Test Directions <p>Response Accommodations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Answers Recorded In Test Book <input type="checkbox"/> Braille Response: Braille Writer <input type="checkbox"/> Braille Response: Braille Notetaker <input type="checkbox"/> Calculation Device and Mathematics Tools <input type="checkbox"/> Constructed Response: Speech to Text <input type="checkbox"/> Constructed Response: Human Scribe <input type="checkbox"/> Constructed Response: Human Signer <input type="checkbox"/> Constructed Response: External A/V Device <input type="checkbox"/> Selected Response: Speech to Text <input type="checkbox"/> Selected Response: Human Scribe <input type="checkbox"/> Selected Response: Human Signer <input type="checkbox"/> Selected Response: External A/V Device <input type="checkbox"/> Monitor Test Response <input type="checkbox"/> Word Prediction <p>Accommodations for EL</p> <ul style="list-style-type: none"> <input type="checkbox"/> Administration Directions Clarified in Students Native Language <input type="checkbox"/> Administration Directions Read Aloud: Arabic <input type="checkbox"/> Administration Directions Read Aloud: Chinese <input type="checkbox"/> Administration Directions Read Aloud: Creole <input type="checkbox"/> Administration Directions Read Aloud: French <input type="checkbox"/> Administration Directions Read Aloud: Amharic <input type="checkbox"/> Administration Directions Read Aloud: Portuguese <input type="checkbox"/> Administration Directions Read Aloud: Spanish <input type="checkbox"/> Administration Directions Read Aloud: Urdu <input type="checkbox"/> Administration Directions Read Aloud: Vietnamese <input type="checkbox"/> Administration Directions Read Aloud: Human Translator <input type="checkbox"/> Science/Social Studies Response EL: Speech-to-Text <input type="checkbox"/> Science/Social Studies Response EL: Human Scribe <input type="checkbox"/> Word to Word Dictionary English Native Language <p>Other Accommodations and Accessibility Features</p> <ul style="list-style-type: none"> <input type="checkbox"/> Text To Speech <input type="checkbox"/> Human Signer <input type="checkbox"/> Human Reader <input type="checkbox"/> Unique Accommodation <input type="checkbox"/> Emergency Accommodation: Human Scribe <input type="checkbox"/> Emergency Accommodation: Other <input type="checkbox"/> Extended Time: IEP <input type="checkbox"/> Extended Time: 504 <input type="checkbox"/> Extended Time: EL 		

Save Cancel

Steps to turn Accessibility Mode On

1. Open the 3rd party accessibility application on the testing device, and log-in if necessary.
2. Launch the iTester Kiosk.
3. Student enters their Username and Password to log into the iTester kiosk.
4. Student selects the session and enters the session access code.

Ensure the student has a row on the accommodation's Options screen indicating that he/she received the Allow Accessibility Mode accommodation with an input for the proctor to enter the proctor password.

Note: The student will only see the option if they are running in a **kiosk mode** on **Windows**. If they are in a non-kiosk mode (i.e. browser) or other operating system kiosk, this accommodation is not available.

The screenshot shows the 'Options' screen of the iTester application. It features several settings sections:

- Text-to-Speech:** Includes a 'Volume:100' slider and a 'Speed' selector with 'Slow', 'Normal', and 'Fast' options.
- Magnification Tool:** Includes a magnification level selector with '100%', '150%', '200%', and '300%' options, and a preview window showing the text 'The quick brown fox jumped over the lazy dog.'
- Reverse Contrast:** Includes a selector with 'Default' and 'Inverted' options.
- Line Reader:** Includes a status indicator 'Enabled'.
- Color Contrast:** Includes a grid of color themes: Default, Classic, Ruby, Chalkboard, Nocturnal, Aquiline, Eccentric, Azure, Haunted, Celestial, Antique, and Creamy.
- Custom Masking:** Includes a status indicator 'Enabled'.

At the bottom, there is a red-bordered box containing the 'Accessibility Mode' label, a 'Proctor Password' input field, and a green 'Submit' button. Below this box is a grey 'Continue' button.

5. The proctor will enter the proctor password.

Note: The proctor password is located on the Administration home page of the iTester Portal.

The screenshot shows the iTester Portal Administration home page. The page has a navigation bar at the top with links: Home, Site Readiness, Students, Enrollment Transfer, Classes, Test Sessions, Pre-ID Management, Materials Management, and Dashboard. Below the navigation bar, there is a 'Home' section with a welcome message and a table of student kiosks. The table has two columns: 'Platform' and 'Kiosk'. The rows are: Windows (Student Kiosk for Windows), Mac (Student Kiosk for Mac), and Linux (Student Kiosk for Linux). Below the table, there is a section for the Windows Installer for TestMonitor, which is located in the table below. The table has two columns: 'Platform' and 'Installer'. The row is: Windows (TestMonitor for Windows). Below the table, there is a section for the Cognia Service Desk, which is available Monday through Friday from 6:00 AM to 8:00 PM EST. Below this, there is a section for the proctor password. The section is titled 'Proctor password for' and has a dropdown menu with 'Grand Canyon High School (Grand Canyon District)' selected. Below the dropdown, there is a text input field containing the password 'JU6LSNE8'. To the right of the input field is a 'Change' button. Below the proctor password section, there is a section for the Site Readiness login, which has a dropdown menu with 'Grand Canyon Elementary School (Grand Canyon Di...' selected. Below the dropdown, there is a text input field containing the text 'No data found'. Below the Site Readiness login section, there is a section for TestMonitor configuration, which shows '0 Pending Activations | 1 Activated'. At the bottom of the page, there is a footer with the text 'v3.25.0 Copyright © 2022 eMetric LLC Contact Us 866-207-8804 Terms of Use Privacy Policy'.

Platform	Kiosk
Windows	Student Kiosk for Windows
Mac	Student Kiosk for Mac
Linux	Student Kiosk for Linux

Platform	Installer
Windows	TestMonitor for Windows

Proctor password for: Grand Canyon High School (Grand Canyon District)

JU6LSNE8

Change

Site Readiness login for: Grand Canyon Elementary School (Grand Canyon Di...)

No data found

TestMonitor configuration

0 Pending Activations | 1 Activated

Note:

- The student will not be allowed to advance past the accommodations Options screen without the proctor entering the correct proctor password.
 - If the proctor password is blank or invalid, a message indicating this will be displayed.
6. After the proctor enters the proctor password, the accessibility mode is successfully enabled for the student. The student will be able to successfully utilize desired assistive technology software which displays windows or an interface on top of the kiosk.
7. When the student submits the test session and returns to the profile screen, the accessibility mode will be disabled.