

MSAA Online Assessment System User Guide for Test Coordinators

March 18–May 3, 2019



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Document Overview

This user guide describes the MSAA Online Assessment System features and provides Test Coordinators an overview of the MSAA testing process, support resources, and step-by-step directions to perform various functions before, during, and after test administration.

Roles and Responsibilities

Users in the MSAA Online Assessment System are assigned either the role of Test Administrator (TA) or Test Coordinator (TC). TCs are responsible for managing the administration of the MSAA test. TAs are responsible for administering tests to students.

The chart below outlines common actions in the MSAA Online Assessment System and who is permitted to perform them. Note that only TCs can close a student's test or edit student demographic information. Please refer to state-specific policies on page 1 of the Test Administration Manual (TAM).

Action	Test Administrator	School Test Coordinator	District Test Coordinator	State Test Coordinator for MSAA	MSAA Service Center
Start, Pause, Resume, and Submit Tests	X	X	X	X	
Print DTA and Paper Test	X	X	X	X	
Complete Student LCI, SRC, and Accommodations Tabs	X	X	X	X	
Add or Edit TA		X	X	X	
Close a Test		X	X	X	
Add Classroom		X	X	X	
Add or Edit TC			X	X	
Add Student or Edit Student Demographic Information				X	
Change Test Form Grade				X	
Technical Support					X
Unlock Test				X	X

Troubleshooting

MSAA Technical Support

MSAA Service Center



Phone: (866) 834-8879



Email: MSAAServiceCenter@measuredprogress.org

The Service Center for the MSAA is available to Test Administrators (TAs) and Test Coordinators (TCs) from 7 am–8 pm ET (5 pm PT), Monday–Friday during the test registration, administration, and reporting windows. Outside these specified windows, the Service Center is available 8 am–5 pm ET (3 pm PT) to answer questions about: (1) the MSAA Online Assessment System and (2) test administration procedures. Use this chart to determine the right resource to support your MSAA needs.

Test Administrators: Contact your Test Coordinator when...			
You have “How do I...?” questions and you can’t find the answer in the Test Administration Manual (TAM), User Guides, or Technology Requirements (linked at the bottom of the MSAA Dashboard). For example, you need to: - Change a student’s demographic information - Close a test - Order paper materials	You do not have a user account. For example, you receive the message, “Sorry, unrecognized username or password” and cannot resolve the issue with the “Request New Password” button. The wrong name is associated with your email address	You do not have the necessary MSAA System permissions to make your requested change. For example: - You need to be assigned to a different (or additional) school or district - You need to make a Test Grade Change	
Test Administrators and Test Coordinators: Contact the MSAA Service Center when...			
You have “How do I...?” questions and you can’t find the answer in the TAM, User Guides, or Technology Requirements (linked at the bottom of the MSAA Dashboard), such as: - You have trouble logging in (and have a user account) - Your TA has passed the final quiz (≥80%) but cannot access student test materials - You are a TC with questions about making changes to TAs in your district(s) - You need to open a locked test	You encounter an error or unusual behavior in the MSAA Online Assessment System with: - User accounts - Accessing tests assigned to a student - Incorrect or missing student information - Access to the MSAA Test Administration Training for TAs and TCs - Converting a PDF file to JPEG format for the writing prompts - Accessing assessment features or a paper accommodation	When contacting the MSAA Service Center, please be prepared to provide as much detail as possible about the issue and the system on which it occurred. Include the following: Your contact information (name, state, district, school, phone number, and email address) Student name, if applicable, and state ID number when calling (Do not provide student information (name) when emailing an inquiry) - Any error messages that appeared Operating system and browser information	
Test Coordinators: Contact your State MSAA Coordinator when...			
You do not have the necessary MSAA System permissions to make your requested change. For example, - You need to be assigned to a different (or additional) school or district - You do not have visibility to the appropriate Orgs (Districts/Schools) - A new student joins your school and needs to be added to the system - The wrong name is associated with your email address - A test grade change occurs and a student needs a new test assignment	You have test administration or policy questions regarding: - Scoring procedures for constructed-response items - Recording student responses into the MSAA Online Assessment System - Clarifying requirements of various item types - Clarifying administration requirements - Describing how to access assessment features or accommodations		



Additional Support

For additional support or questions about this document, please contact:

MSAA Service Center

Phone: (866) 834-8879

Email: MSAAServiceCenter@measuredprogress.org

What Is the MSAA Online Assessment System?

The MSAA Online Assessment System is the system used to administer the Multi-State Alternate Assessment based on Alternate Achievement Standards (AA-AAS) to participating students.

MSAA Online Assessment System Website

You can access the system using the following link: <https://www.msaaassessment.org>.

How to Access the MSAA Online Assessment System

This section prepares you to access the MSAA Online Assessment System for the first time.

Receiving Your Welcome Email

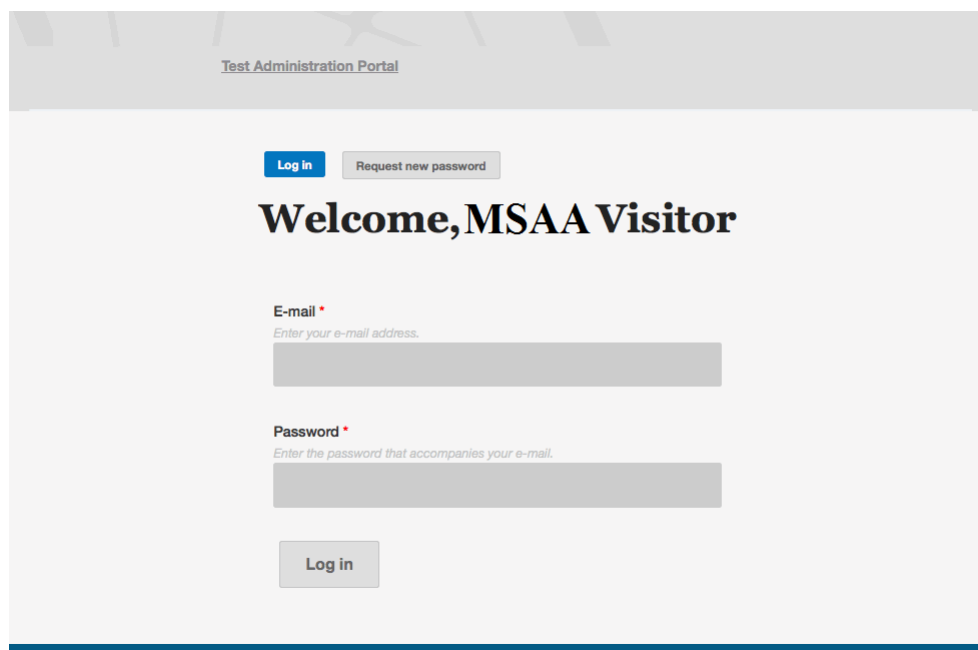
When a new user account is created in the MSAA Online Assessment System, the user will receive an automated welcome email from MSAAServiceCenter@measuredprogress.org (as seen below) that contains a temporary URL.

From: MSAAServiceCenter@measuredprogress.org
Subject: Important Information from the MSAA System

Click the link in the welcome email to gain access to the MSAA Online Assessment System. You will be asked to create a new password for your account. Please note that the password link in the welcome email can only be used once. The email link expires after 24 hours.

How to Log In

Once your user account is created and you have set your password, you can access the MSAA Online Assessment System using the URL <https://www.msaaassessment.org>. The Log In page will appear as seen below. Enter your email address and password, and click **Log In** to access the secure MSAA Online Assessment System.

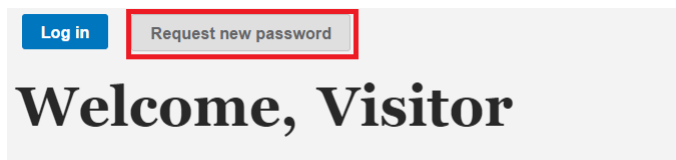


The screenshot shows the 'Test Administration Portal' header. Below it are two buttons: 'Log in' (blue) and 'Request new password' (grey). The main heading is 'Welcome, MSAA Visitor'. There are two input fields: 'E-mail' with a red asterisk and the placeholder 'Enter your e-mail address.', and 'Password' with a red asterisk and the placeholder 'Enter the password that accompanies your e-mail.'. Below these fields is a 'Log in' button.

Account Lockout

A user's account will become locked for one hour after five failed attempts to log in. The account can be unlocked in two ways:

1. Wait an hour and the account will become unlocked (be sure to wait the full hour)
2. Unlock the account immediately by requesting a new password:
 - o select **Request New Password** from the Log In screen

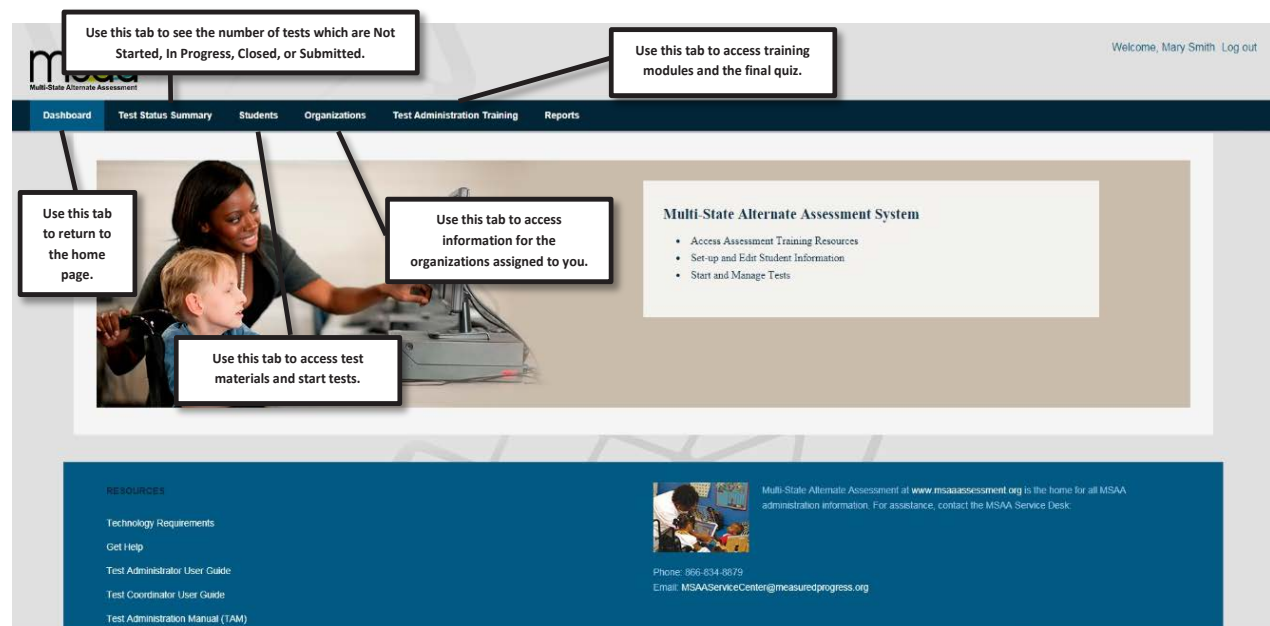


- o follow the onscreen instructions; you will receive a password reset link via email

How to Navigate the MSAA Online Assessment System

Dashboard

The dashboard is the homepage for the MSAA Online Assessment System. Once logged in, you can navigate within the system using the top navigation bar. Return to the dashboard by clicking the "Dashboard" tab in the navigation bar.



Test Status Summary

This page provides a summary of student tests, allowing you to track and monitor testing progress during test administration. You may only access tests that are assigned to students who pertain to your role's permissions. For example, if you have access at the school level, you will see test summary information for all students in the school. If you have access only to a single classroom, you will see test summary information only for the students in that classroom. The Test Status Summary screen is shown below.

Test Name	Test Window Ending Date	Assigned Students	Not Started	In Progress (Paused)	In Progress (Locked)	Submitted	Closed
AutoMathSATest	2017-05-12	21	5	0	0	0	0
ELA Grade 3 Stage Adaptive	2017-05-12	0	0	0	0	0	0

Students

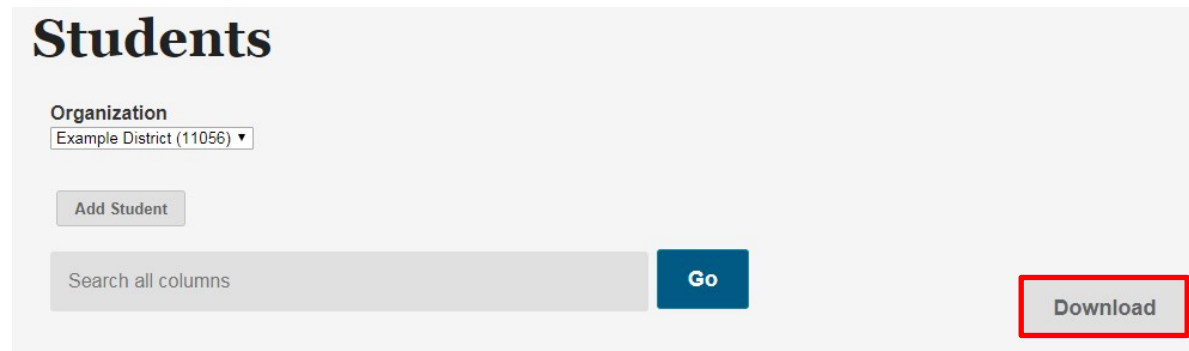
TAs will use this page to access student profile information (demographics, LCI, accommodations, and SRC), access test materials (e.g., the DTA), and start/resume the tests.

Student ID (system-generated)	Student ID (state-issued)	Organization	Student Information	Test Name	Test Status	Test Administrator	Actions
5	101011	BT School	test1 student1 Grade 6	OP ELA Gr06 Form 1	Submitted by	NCSC Admin (17319)	Actions
5	101011	BT School	test1 student1 Grade 6	OP Math Gr06 Form 1	Paused by	Mary Smit	- Go to Student Profile - Start Test - Open Test in PDF - Directions for Test Administration

Students Export

Click **Students** in the Dashboard.

Click **Download**.



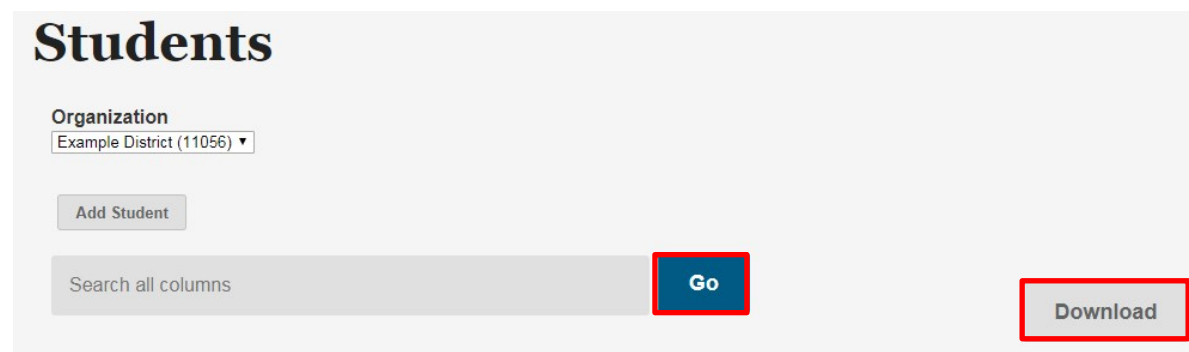
The screenshot shows the 'Students' page interface. At the top is the title 'Students'. Below it is an 'Organization' dropdown menu set to 'Example District (11056)'. There is an 'Add Student' button. Below that is a search bar with the placeholder text 'Search all columns' and a blue 'Go' button. To the right of the search bar is a grey 'Download' button, which is highlighted with a red rectangular box.

An Excel spreadsheet will download with all data from all pages of results from the Students page.

Filtered Students Report

Enter search criteria in the “search” box. Any of the columns other than “Actions” can be searched.

Click **Go**, then click **Download**.



This screenshot is identical to the one above, showing the 'Students' page. In addition to the 'Download' button being highlighted with a red box, the blue 'Go' button next to the search bar is also highlighted with a red rectangular box.

An Excel spreadsheet will download with only the results from the search.

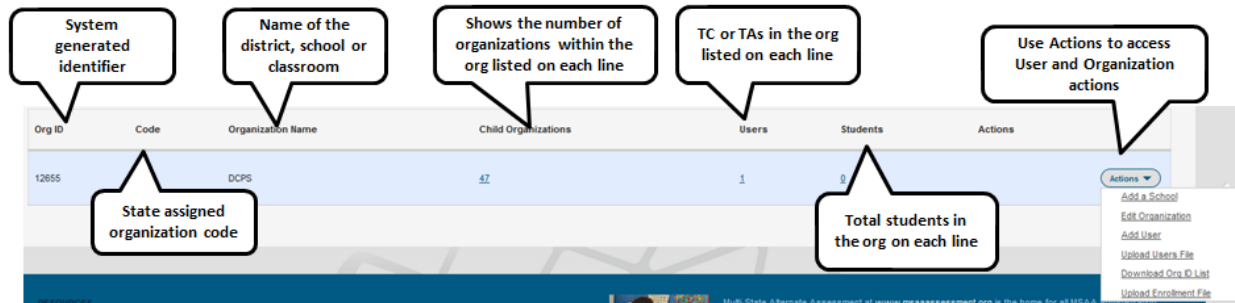
Sample Items

This page provides online access to sample items that allow a user to become familiar with navigating the online system, checking compatibility of a student's assistive technology devices, and practicing administering test items with students. Any student responses to the sample items are not saved. All users have access to the same sets of math and reading sample items located in the MSAA Online Assessment System at <http://msaaassessment.org> under Resources.

To access the DTAs for the sample items, click on the link as shown here.	MSAA Sample Items Use the "Actions" dropdown in the table below to start a test. DTA Download: • Sample Items' DTAs								
To view the sample items online: ➤ Click on Actions ➤ Select Start Test To print the sample items: ➤ Click on Actions ➤ Select Download PDF	<table> <thead> <tr> <th>Assessment</th><th>Actions</th></tr> </thead> <tbody> <tr> <td>Sample Math Items - Grade 3</td><td> Actions Start Test Download PDF </td></tr> <tr> <td>Sample Math Items - Grade 6</td><td></td></tr> <tr> <td>Sample Math Items - Grade 11</td><td> Actions </td></tr> </tbody> </table>	Assessment	Actions	Sample Math Items - Grade 3	Actions Start Test Download PDF	Sample Math Items - Grade 6		Sample Math Items - Grade 11	Actions
Assessment	Actions								
Sample Math Items - Grade 3	Actions Start Test Download PDF								
Sample Math Items - Grade 6									
Sample Math Items - Grade 11	Actions								

Organizations

Organizations that have been assigned to you will be listed in the Organizations table as shown below.



Org ID	Code	Organization Name	Child Organizations	Users	Students	Actions
12655	DCPS		47	1	0	Add a School Edit Organization Add User Upload Users File Download Org ID List Upload Enrollment File

Callouts:

- System generated identifier (Org ID)
- Name of the district, school or classroom (Organization Name)
- Shows the number of organizations within the org listed on each line (Child Organizations)
- TC or TAs in the org listed on each line (Users)
- Use Actions to access User and Organization actions (Actions column)
- State assigned organization code (Code)
- Total students in the org on each line (Students)

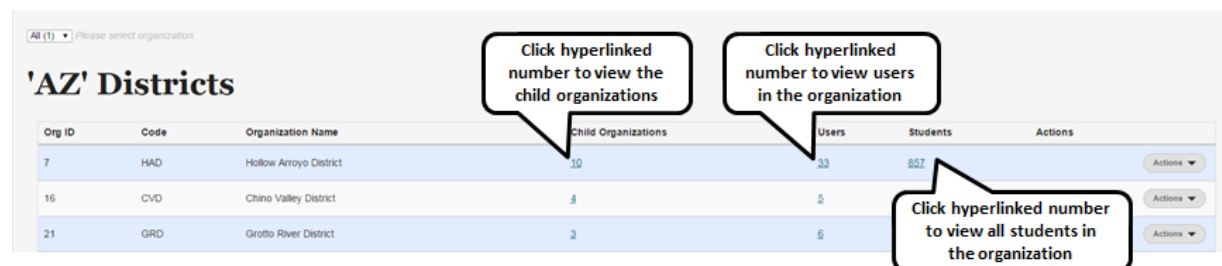
What Is an Organization?

In the MSAA Online Assessment System, an organization can be any of the four different hierarchy levels: state, district, school, and classroom.

The organizations are in a “parent-child” hierarchy. For example, the **district** is the parent organization of the **school**. This makes the **school** the “child” organization of a **district**. This relationship analogy continues down the hierarchy line. A “classroom” is the child organization of the school, which makes the school the parent organization. The hierarchy, from parent to child, is: state→district→school→classroom.

It is important to understand these relationships, as some functions, such as creating an organization, have to be performed at the parent organization level: in other words, at the district or school level.

Navigating Organizations



Org ID	Code	Organization Name	Child Organizations	Users	Students	Actions
7	HAD	Hollow Arroyo District	10	33	857	Actions
16	CVD	Chino Valley District	4	5		Actions
21	GRD	Groffo River District	3	6		Actions

Callouts:

- Click hyperlinked number to view the child organizations (Child Organizations column)
- Click hyperlinked number to view users in the organization (Users column)
- Click hyperlinked number to view all students in the organization (Students column)

The hyperlinked number for Child Organizations, Users, and Students has the same functionality at each organization level. For example, clicking the hyperlinked Students number for a school will display a roster of students in that school.

Organization Actions

12656	1012	Phillips School Annandale Anna	0	0	0	Actions ▾ Add a Classroom Edit Organization Add User Upload Users File Download Org ID List Upload Enrollment File
12657	1020	Childrens Guild Prince Georges	0	0	0	
12658	1051	Ivymount School Rockville MD	0	0	0	

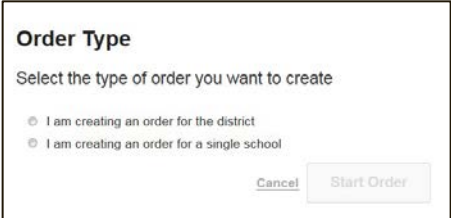
From the Actions menu you can add a classroom to a school, edit organization information, add a user, upload a user file, and download org ID list. The Upload Enrollment File option is available in the menu. Contact your MSAA State Coordinator before using this menu option.

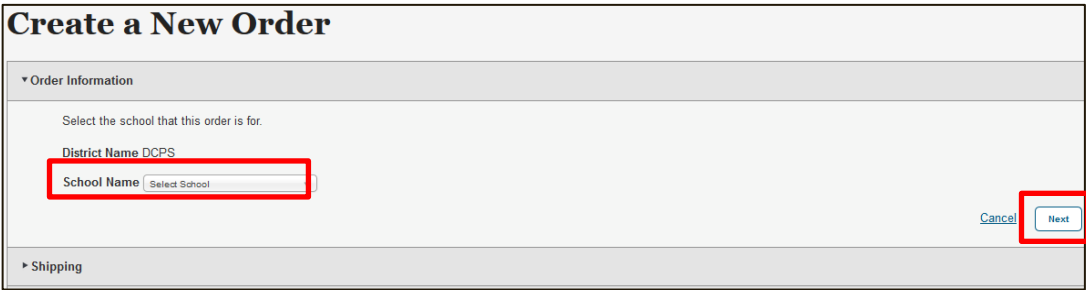
Order Test Materials

The Order Test Materials page is used to place orders for test materials available in Maryland. Use the steps below to place and track orders.

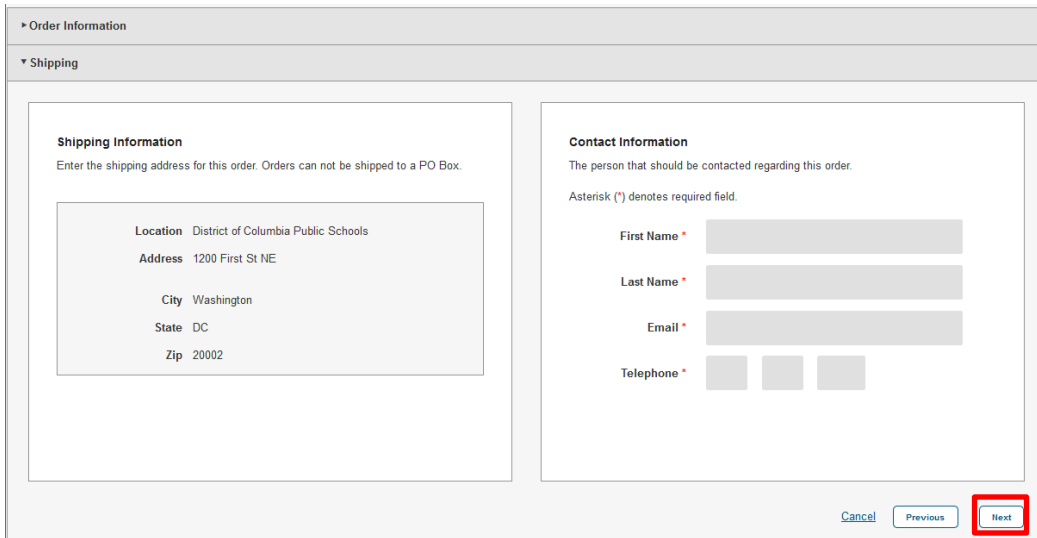
- On the Order Materials page, click **Order**.


- If you are a TC for a district, you will select whether to create an order for the district or for a single school.


- If you are creating an order for a single school, select the school using the School Name drop-down menu. Then click **Next**.



- 4 Confirm the shipping information. If it is incorrect, contact your State MSAA Coordinator before placing the order. Then, enter contact information for the person who should be contacted regarding the order. Click **Next**.



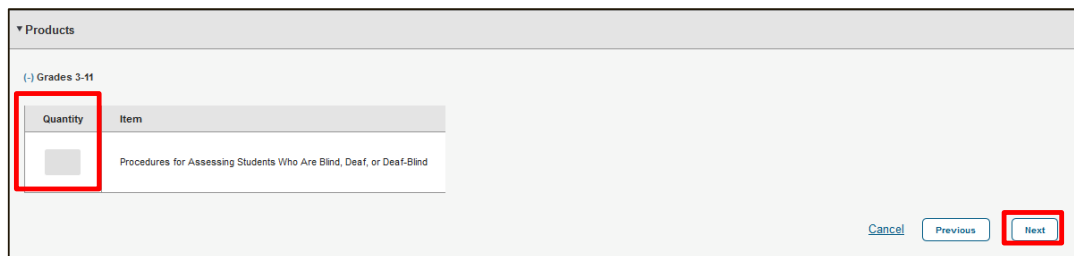
The screenshot shows a web form with two main sections: "Shipping Information" and "Contact Information".

Shipping Information: Includes a heading "Shipping Information" and a note "Enter the shipping address for this order. Orders can not be shipped to a PO Box." Below this is a form with the following fields: Location (District of Columbia Public Schools), Address (1200 First St NE), City (Washington), State (DC), and Zip (20002).

Contact Information: Includes a heading "Contact Information" and a note "The person that should be contacted regarding this order." Below this is a form with the following fields: First Name *, Last Name *, Email *, and Telephone *. An asterisk (*) denotes a required field.

At the bottom right of the form are three buttons: "Cancel", "Previous", and "Next". The "Next" button is highlighted with a red box.

- 5 Use the **Quantity** box to enter the needed number of each listed product for that school. Then click **Next**.

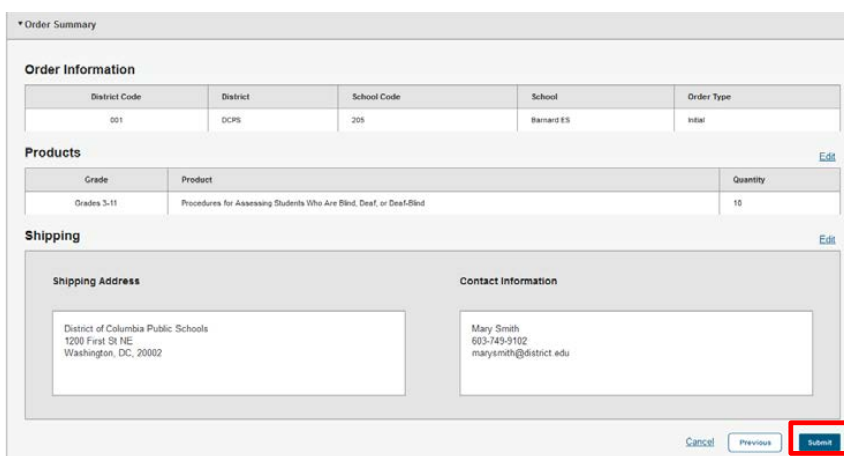


The screenshot shows the "Products" section of the form. It includes a heading "Products" and a sub-heading "(-) Grades 3-11". Below this is a table with two columns: "Quantity" and "Item".

Quantity	Item
	Procedures for Assessing Students Who Are Blind, Deaf, or Deaf-Blind

At the bottom right of the form are three buttons: "Cancel", "Previous", and "Next". The "Next" button is highlighted with a red box.

- 6 Use the **Order Summary** page to confirm order information, product quantities, shipping information, and contact information. If any information is incorrect, use the **Edit** buttons in each section to make updates. Once complete, click **Submit**.



The screenshot shows the "Order Summary" page. It includes a heading "Order Summary" and three main sections: "Order Information", "Products", and "Shipping".

Order Information: Includes a table with the following columns: District Code, District, School Code, School, and Order Type.

District Code	District	School Code	School	Order Type
001	DCPS	205	Barnard ES	Initial

Products: Includes a table with the following columns: Grade, Product, and Quantity. An "Edit" button is located to the right of the table.

Grade	Product	Quantity
Grades 3-11	Procedures for Assessing Students Who Are Blind, Deaf, or Deaf-Blind	10

Shipping: Includes a heading "Shipping" and two sub-sections: "Shipping Address" and "Contact Information".

Shipping Address: Includes a text box with the following address: District of Columbia Public Schools, 1200 First St NE, Washington, DC, 20002.

Contact Information: Includes a text box with the following contact information: Mary Smith, 603-749-9102, marysmith@district.edu.

At the bottom right of the form are three buttons: "Cancel", "Previous", and "Submit". The "Submit" button is highlighted with a red box.

7

Once your order is submitted, you will receive an order confirmation with an Order Number.

A white rectangular box with a thin black border. Inside, there is a green checkmark icon at the top left. Below it, the text reads "Thank you. Your order has been successfully submitted." followed by "Order Number: 10315". At the bottom left, there is a blue button with the text "Ok" in white.

8

To View Previous Orders: Click **Order History** to view orders previously placed in your organization. The Order History will show all orders, the status of the order, and the date of the order, as shown below.

An order in the “Submitted” status can be edited until it is Approved and the order status shows “Approved.”

Once an order is approved, it cannot be edited, and a new order must be created using the instructions as outlined above.

A screenshot of a web application interface. At the top, there is a navigation bar with a tab labeled "Order History" highlighted with a red rectangle. Below the navigation bar, the main heading reads "Multi-State Alternate Assessment View / Edit Orders". Underneath the heading, there is a sub-header "Click on an order number to view the details of the order". To the left of the table, there is a "Showing" dropdown menu set to "All Orders". To the right, there is a blue button labeled "Create New Order". The table below has columns: Order, District Code, District, School Code, School, Status, Order Type, Order Date, and Edit. Two rows of data are visible, both with a status of "Submitted".

Order	District Code	District	School Code	School	Status	Order Type	Order Date	Edit
10217	001	DCPS	454	Cardozo EC	Submitted	Initial	2016-10-04T14:01:04.583	
10220	001	DCPS			Submitted	Initial	2016-10-05T11:34:22.88	Edit

Manage Users

This section prepares you to upload and manage users in your organizations.

Upload Users

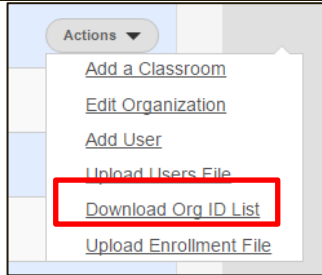
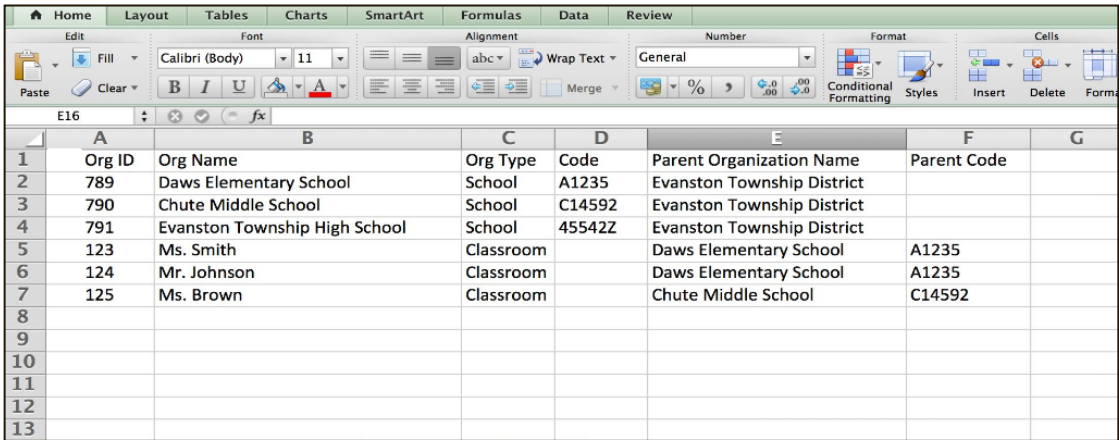
This section prepares you to upload the Users File (TAs/TCs) into the MSAA Online Assessment System and to manage users after the Users File has been uploaded.

Please check with your state to determine who will be responsible for this required step, or see instructions that were contained in your welcome email. Some states perform this action at the state level, while other states require district/school TCs to perform this action.

If you are not responsible for uploading user information, you may skip the Upload Users sections of this guide.

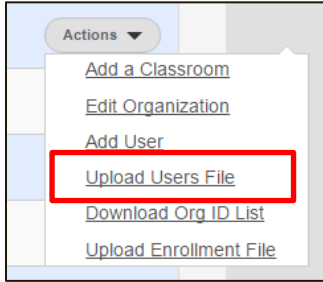
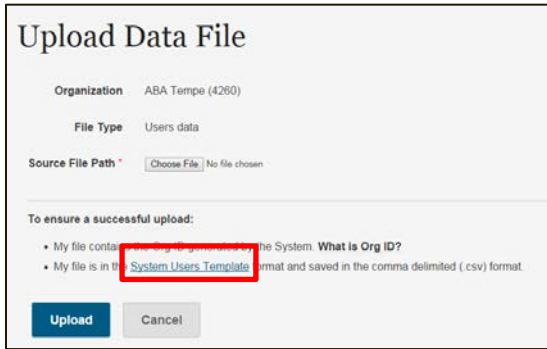
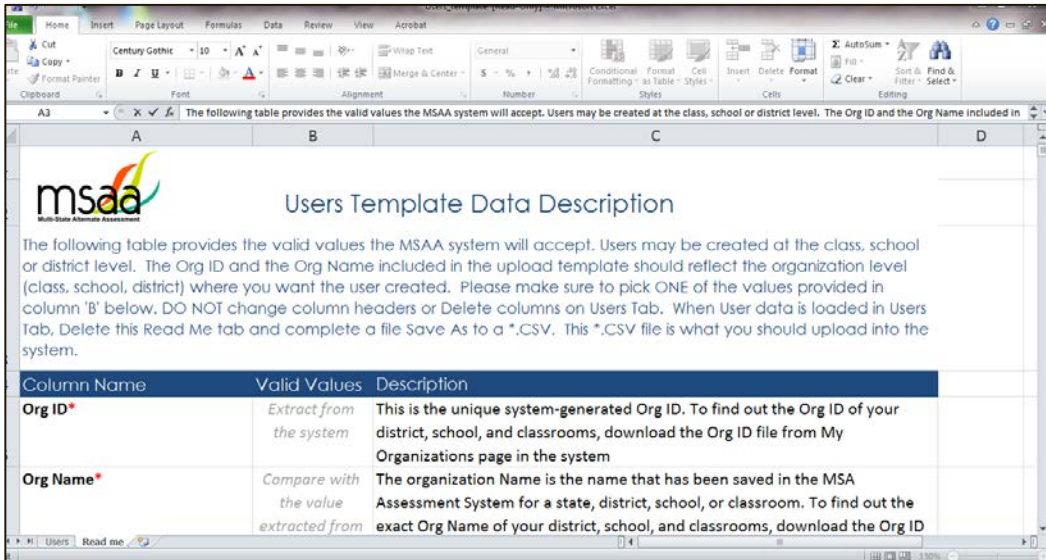
Step 1: Download Org ID

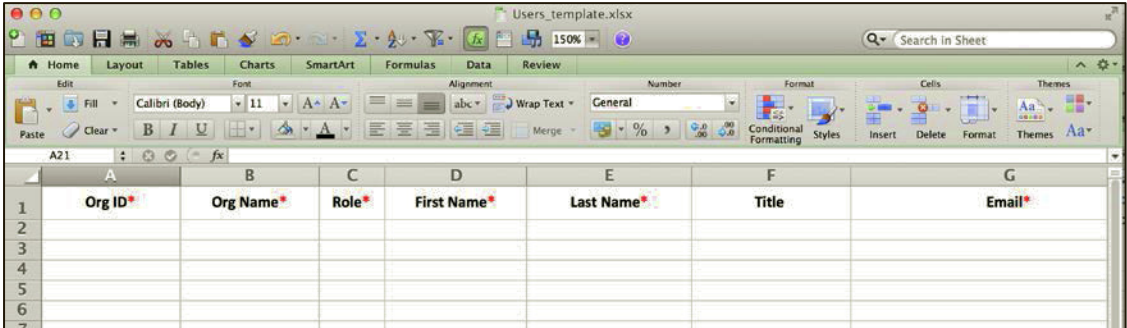
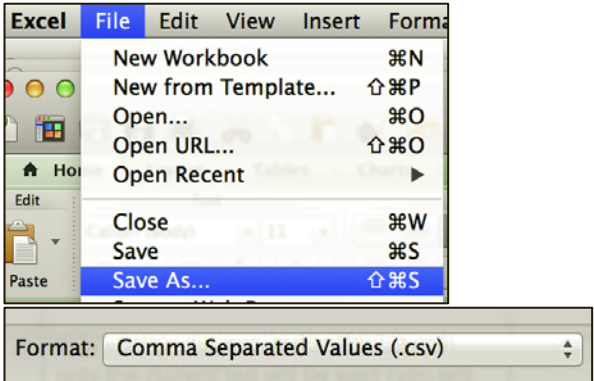
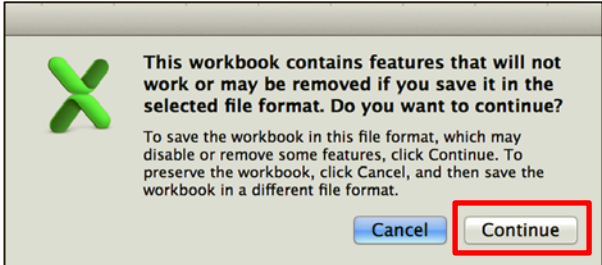
Within the Users File there are required fields regarding the organization ID and name. When uploading a file of user information, it is crucial to provide the system with the correct Org ID and organization name that the MSAA Online Assessment System recognizes. Otherwise, the system will reject the records as missing valid data in these two columns, which means the user accounts will not be created in the MSAA Online Assessment System.

1	In Organizations locate the district (or other organization) for which you wish to view the Org IDs and name file. Select the Download Org ID option from the Actions drop-down menu on the parent organization row.	
2	 The list of child organizations for the selected level will open in Excel. The following columns are shown in the downloaded Org ID file: • Column A: MSAA Online Assessment System Org ID • Column B: Org Name • Column C: Org Type • Column D: Code • Column E: Parent Organization Name • Column F: Parent Code You will need the information in columns A and B only for entry into your Users File described in the next section.	

Step 2: Download & Complete Users Template

The System Users Template is necessary to ensure your user file can be successfully imported by the MSAA Online Assessment System. To access the System Users Template, follow the instructions below.

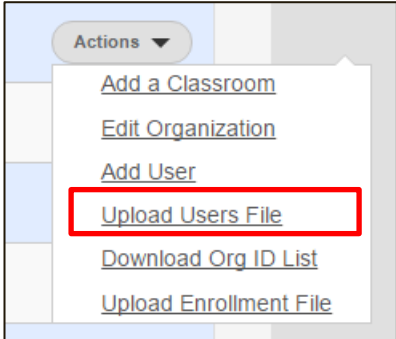
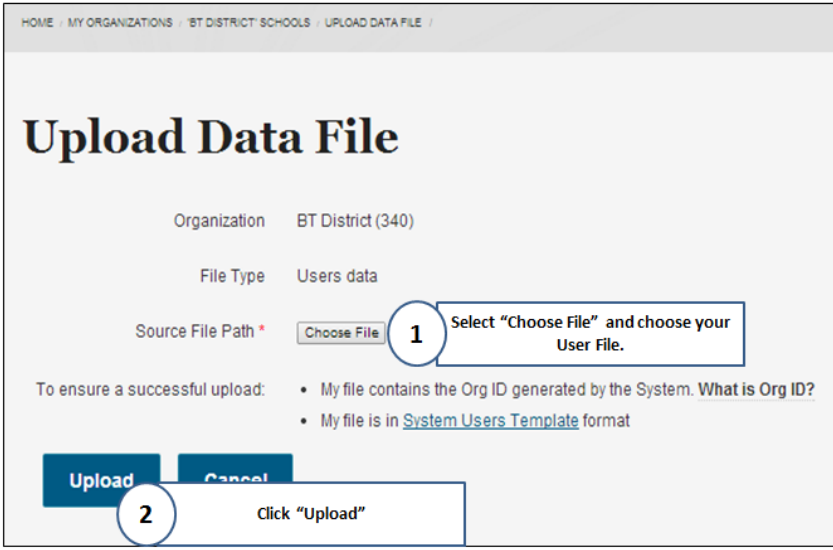
1	In Organizations , Click Actions , then select the Upload Users File option from the drop-down menu.	
2	The Upload Data File page opens. Click the System Users Template link.	
3	Open the template in Excel. Click on the second tab, titled Read Me . This tab contains instructions on how to complete the Users File. It provides the list of columns along with the valid values the system needs to capture data.	

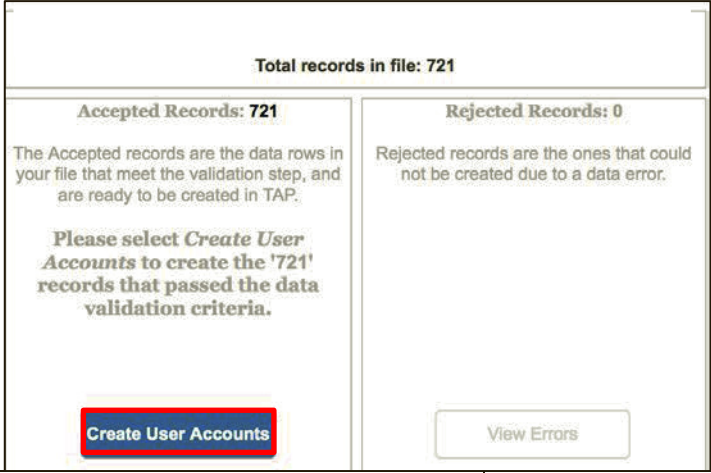
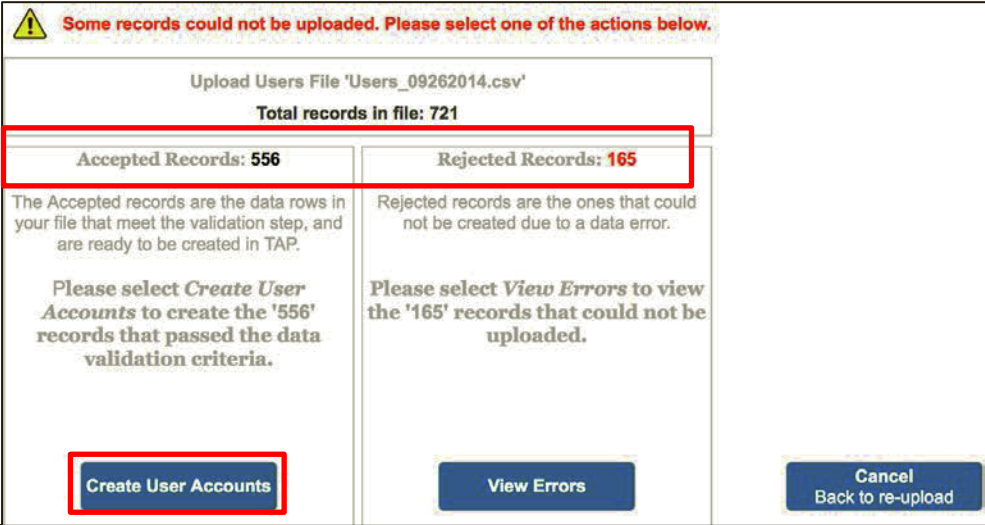
4	Enter the TA and TC information into the template in columns C–G. Then, copy and paste the Org ID and name information from Columns A and B in the Org File into the System Users Template file. 
5	After entering the TA and TC information into the System Users Template file, delete the Read Me tab. Then, select the Save As option from the File menu. Select the Comma Separated Values (.csv) option from the Format drop-down menu when the Save As pop-up opens. Then click the Save button. 
6	The application will prompt you to confirm that some formatting features will be lost. Click Continue. 

Step 3: Upload Users File

Now you will upload your file. During the upload process, the MSAA Online Assessment System will validate the information in your template. The following criteria must be met in order for a record to pass the validation step:

- ✓ All required fields (Org ID, Org Name, Role, First Name, Last Name, Email) must have a valid value as outlined in the Read Me tab of the Users Template.
- ✓ Each user record must have:
 - An Org ID and the associated Organization name that is already in the System
 - The exact spelling of the Organization name as it is in the System
- ✓ TAs must be associated to school- or classroom-level organizations, not to district-level organizations.
- ✓ If more than one organization is provided for a user, separate the organizations with a comma in both Org ID and Org Name columns.
- ✓ The email address provided for each user must be unique and may be used only once.

1	Use the Actions menu for the organization to which you are uploading. Select the Upload Users File option.	
2	Choose and Upload the file as shown below. 	
3	The MSAA Online Assessment System will validate the information in your template. Depending on file size, the validation step may take a few moments to complete.	

4	No Rejected Records Once complete, the Validation Summary page opens. If there are no rejected records, the page will look like the following screenshot. Click the Create User Accounts button.
	
5	The system creates all the users (TC and TA) in the uploaded users file and provides a confirmation.
6	Records That Failed Validation If there are some records that failed the validation, the system provides the count of accepted records versus the rejected ones. Before viewing and fixing the records that failed validation, first create the user records that were accepted. Click Create User Accounts. 

7 The system provides a confirmation message of the number of accounts that were created successfully.

Click **View Rejected Records**. You will be able to view the records that failed at validation. These accounts were neither created nor saved in the system.

Upload Data Confirmation

'556' user accounts were created successfully.

- The new users just received an email to their email addresses.
- New users are provided with a temporary URL where they can set up their own passwords in TAP.

 Note that '165' out of '771' rejected records were not created in TAP. You can [export rejected records](#) to correct and re-upload them later. Beyond this page, the system will not keep track of them.

View Rejected Records

8 The Exceptions page will open, as shown below. Make sure to scroll down as needed to see all the records.

Note: The system will NOT keep track of rejected records beyond this page.

Users File Erroneous Records

Each line is a rejected record

Reason for Rejection is found in this column

Click export to open the records in a .csv file

Org ID	Org Name	Role	First Name	Last Name	Title	Email	Error Message
359	kitten district	test coordinator	Amy	Pond	Kitten TC Title	btqa1000@mailinator.com	Email address: Duplicate user exists in TAP.
359	kitten district	test administrator	Forrest	Fish	Kitten TC Title	aa	Email address: Invalid.
359	kitten district	tc	Boris	Bear	Kitten TC Title	bb	Email address: Invalid.
359	kitten district	ta	Gabriel	Gerbil	Kitten TC Title	cc	Email address: Invalid.
359	kitten district	TC	Hilda	Hamster	Kitten TC Title	dd	Email address: Invalid.
359	kitten district	TA	Mary	Mouse	Kitten TC Title	ee	Email address: Invalid.
359	kitten district		Pete	Pika	Kitten TC Title	ff	Role: Value is required, Email address: Invalid.
359	kitten district		Rory	Rabbit	Kitten TC Title	gg	Role: Value is required, Email address: Invalid.
359	kitten district		Vicky	Vole	Kitten TC Title	hh	Role: Value is required, Email address: Invalid.

Export **Cancel**

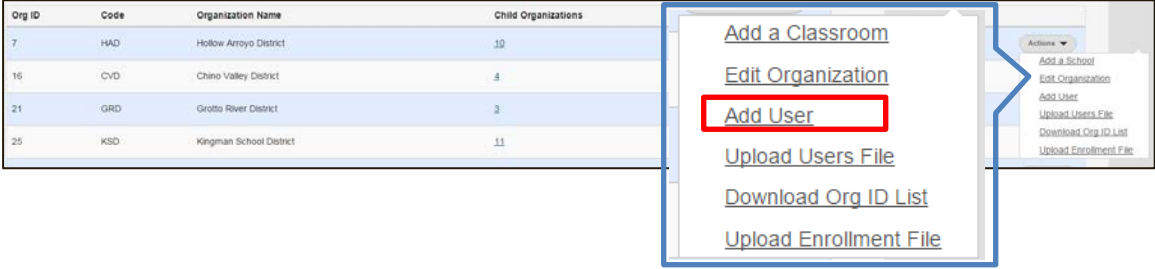
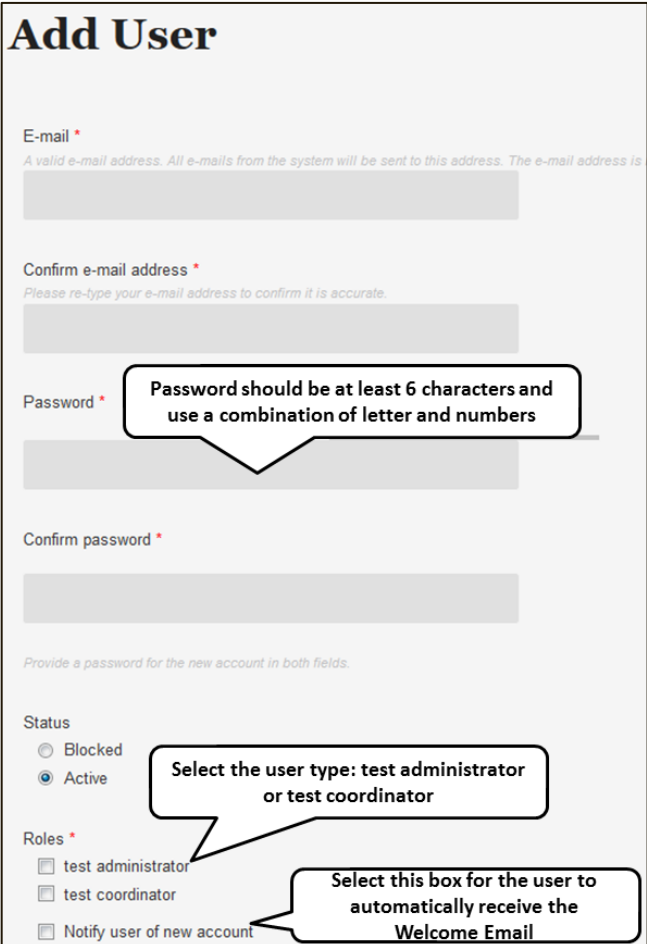
9 **Step 1:** Save the exported .csv file on your computer. Exit the Upload Users File page in the MSAA Online Assessment System.

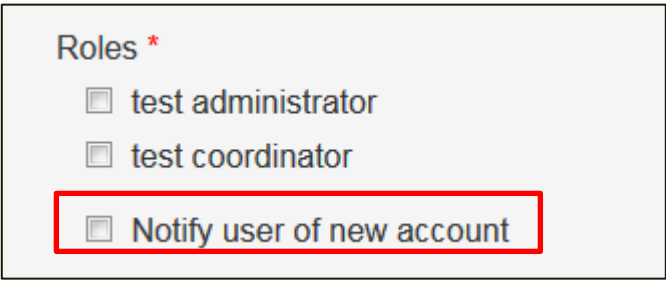
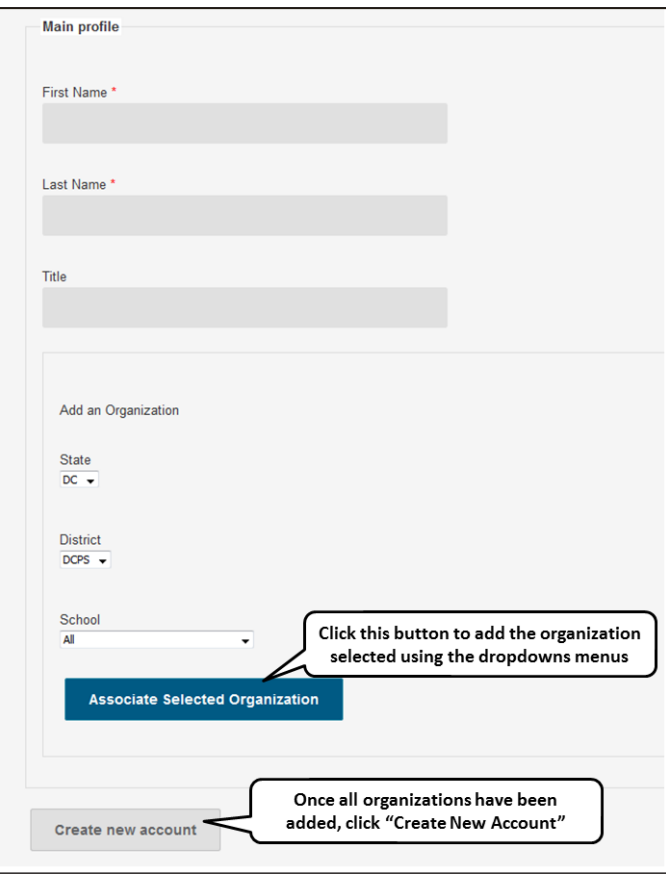
Step 2: Return to your .csv file to correct each record. Once each record is corrected, you can upload this file to upload only the rejected records.

Step 3: When you are ready to re-upload the file with the corrections, follow the upload steps as described above.

How to Add a Single User

All users should be created during the enrollment window. However, there may be a need to create a TA or TC in the MSAA Online Assessment System if that user was not part of the upload process.

1	In Organizations, find the organization in which you wish to create the user. Click the Actions button, then Add User.  <table border="1"> <thead> <tr> <th>Org ID</th> <th>Code</th> <th>Organization Name</th> <th>Child Organizations</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>HAD</td> <td>Hollow Arroyo District</td> <td>10</td> </tr> <tr> <td>16</td> <td>CVD</td> <td>Chino Valley District</td> <td>4</td> </tr> <tr> <td>21</td> <td>GRD</td> <td>Groto River District</td> <td>3</td> </tr> <tr> <td>25</td> <td>KSD</td> <td>Kingman School District</td> <td>11</td> </tr> </tbody> </table>	Org ID	Code	Organization Name	Child Organizations	7	HAD	Hollow Arroyo District	10	16	CVD	Chino Valley District	4	21	GRD	Groto River District	3	25	KSD	Kingman School District	11
Org ID	Code	Organization Name	Child Organizations																		
7	HAD	Hollow Arroyo District	10																		
16	CVD	Chino Valley District	4																		
21	GRD	Groto River District	3																		
25	KSD	Kingman School District	11																		
2 On the Add User form, enter the user's email address and password, and check the box next to the appropriate role for the user (Test Administrator or Test Coordinator). Please note: • Email addresses must be unique. The same email address cannot be used for more than one account. • The Status defaults to Active and does not need to be changed during user creation. Refer to Edit Users for more information on blocking user accounts. • A user can be a TA, TC, or both.	 Add User E-mail * A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is Confirm e-mail address * Please re-type your e-mail address to confirm it is accurate. Password * Password should be at least 6 characters and use a combination of letter and numbers Confirm password * Provide a password for the new account in both fields. Status ☐ Blocked ☒ Active Select the user type: test administrator or test coordinator Roles * ☐ test administrator ☐ test coordinator ☐ Notify user of new account Select this box for the user to automatically receive the Welcome Email																				

3	Check the box next to “Notify user of new account” to have a Welcome Email automatically sent once the account is created. If this box is not checked, the user will not receive the Welcome Email, and will need to be notified of their account.	
4	Scroll down the page on the form and enter the user’s first and last name, and title (if needed). Then, using the Organization drop-downs, select the organization for the user. • The State drop-down menu will contain only your state. • The District drop-down will default to the organization(s) associated with your account. • Use the School drop-down to select the appropriate school for the user. • If the selected School has classrooms, a Classroom drop-down will populate under the School menu. Select the appropriate classroom. • Then, click Associate Selected Organization. If the user needs to be associated with more organizations, repeat these steps. Once all organizations have been added, click Create new account.	
5	When the account is created, you will receive one of two confirmation messages, depending on whether you selected Notify user of new account.	

5a	If you did select to have the system notify the user of their new account, you will receive this confirmation message. The user will receive the Welcome Email from the MSAA Online Assessment System. A welcome message with further instructions has been e-mailed to the new user <i>maria_1</i>.
5b	If you did not select to have the system notify the user of the new account, you will receive this confirmation message. The user will not receive the Welcome Email from the MSAA Online Assessment System. Created a new user account for <i>maria</i>. No e-mail has been sent.

Manage Organizations

This section will prepare you to Add and Edit Classrooms in your Organization.

How to Add a School

States, districts, and schools have already been created in the MSAA Online Assessment System. If a school needs to be added to your district, contact your MSAA State Coordinator. Contact information can be found on page 1 of the MSAA Test Administration Manual.

How to Use Classrooms

Classrooms are a way in which to organize the students in your schools and limit the number of students TAs can access. Check with your MSAA State Coordinator to determine whether this is a required step for you.

Recommendations for Creating Classrooms

- Create one class per teacher per school
- Use personal naming conventions

How to Add a Classroom

Use the Actions menu for the school to which you are adding the classroom, and select “Add a Classroom.” The **Add Classroom** form will open.

1	Enter the classroom information as shown below. Only the Organization Name is required. Add Classroom Parent Organization Phillips School Annandale Anna Organizational Code Organization Name * Enter Classroom name in the format “TeacherLastName_TeacherFirstName” Click Submit to Create the Classroom Submit										
2	Once submitted, a confirmation is displayed on the top of the page. You will also see the new class added to the school organization table. Added Ms. Smith (399) Georgia (5) Please select organization. 'Baker County Senior High School' Classrooms <table border="1"> <thead> <tr> <th>Org ID</th> <th>Code</th> <th>Classroom</th> <th>Users</th> <th>Students</th> </tr> </thead> <tbody> <tr> <td>399</td> <td>1234</td> <td>Ms. Smith</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Org ID	Code	Classroom	Users	Students	399	1234	Ms. Smith	0	0
Org ID	Code	Classroom	Users	Students							
399	1234	Ms. Smith	0	0							

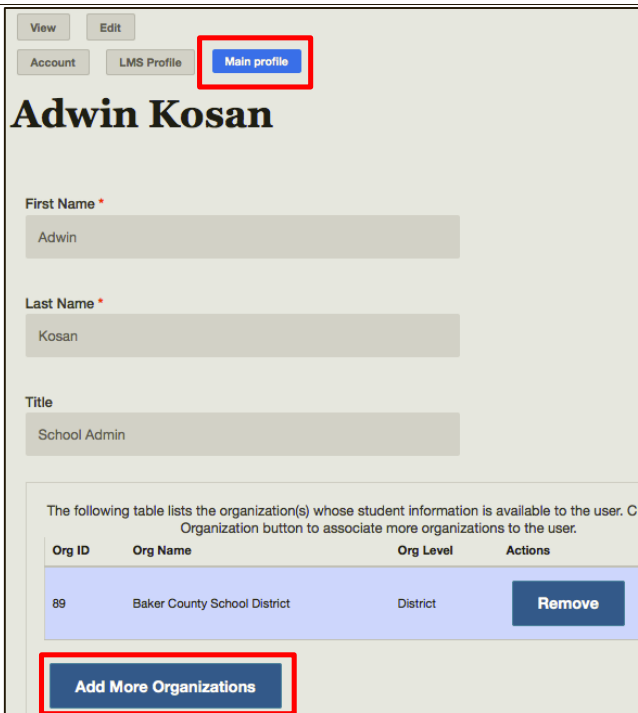
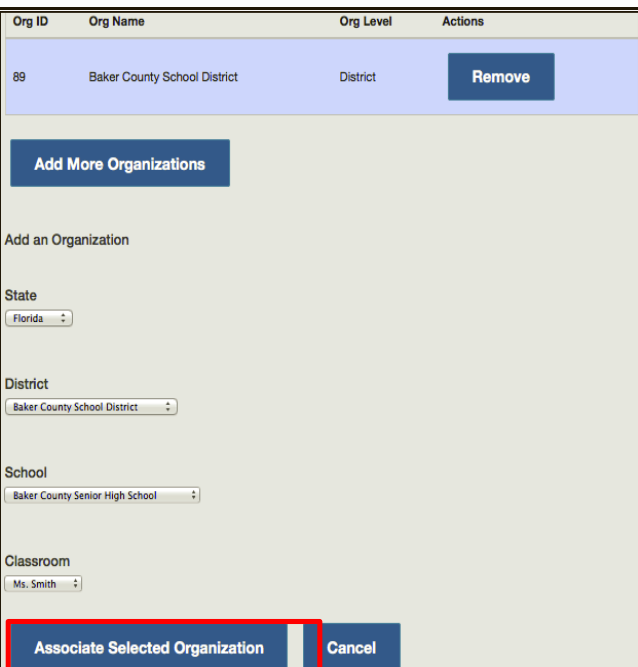
Students and TAs can now be added to this new classroom. Follow the instructions to associate users and students to the classroom in the sections:

- Manage Users
- Managing Students and Completing Testing Activities

Edit a Classroom

The only information that can be edited for a classroom will be the organization name and/or code. To view and possibly edit the classroom, follow the instructions below. Classroom organizations cannot be deleted.

1	Using the Actions menu for the Classroom, click Edit Organization. The Edit Organization page will open so you can make changes. NOTE: You cannot use a name that already exists within the same parent organization. Click Submit.	
2	A confirmation is displayed on the top of the page.	

4	To associate the user to an organization, click the Main Profile button. The list of organization(s) assigned to the user appears in a table at the bottom of the screen. Click the Add More Organizations button to view the organization hierarchy drop-down menus.	 View Edit Account LMS Profile Main profile Adwin Kosan First Name * Adwin Last Name * Kosan Title School Admin The following table lists the organization(s) whose student information is available to the user. Click the Organization button to associate more organizations to the user. <table><tr><th>Org ID</th><th>Org Name</th><th>Org Level</th><th>Actions</th></tr><tr><td>89</td><td>Baker County School District</td><td>District</td><td>Remove</td></tr></table> Add More Organizations	Org ID	Org Name	Org Level	Actions	89	Baker County School District	District	Remove
Org ID	Org Name	Org Level	Actions							
89	Baker County School District	District	Remove							
5	A set of organizations will appear in the form of drop-down lists. You can select any organization level that is available within the drop-down lists to assign or reassign the user to a different organization. Click the Associate Selected Organization button to assign the new organization.	 <table><tr><th>Org ID</th><th>Org Name</th><th>Org Level</th><th>Actions</th></tr><tr><td>89</td><td>Baker County School District</td><td>District</td><td>Remove</td></tr></table> Add More Organizations Add an Organization State Florida District Baker County School District School Baker County Senior High School Classroom Ms. Smith Associate Selected Organization Cancel	Org ID	Org Name	Org Level	Actions	89	Baker County School District	District	Remove
Org ID	Org Name	Org Level	Actions							
89	Baker County School District	District	Remove							

6	The new organization will be listed in the Organizations table. Save the changes.	The following table lists the organization(s) whose student information is available to the user. Click Organization button to associate more organizations to the user. <table><thead><tr><th>Org ID</th><th>Org Name</th><th>Org Level</th><th>Actions</th></tr></thead><tbody><tr><td>89</td><td>Baker County School District</td><td>District</td><td>Remove</td></tr><tr><td>399</td><td>Ms. Smith</td><td>Classroom</td><td>Remove</td></tr></tbody></table> Add More Organizations Save	Org ID	Org Name	Org Level	Actions	89	Baker County School District	District	Remove	399	Ms. Smith	Classroom	Remove
Org ID	Org Name	Org Level	Actions											
89	Baker County School District	District	Remove											
399	Ms. Smith	Classroom	Remove											
7	Remove an Organization: The system allows you to remove an organization from a user. TAs with classroom assignments do not need district permission to view all students in the district. Click the Remove button to disassociate the organization from the user. The new organization list will be displayed in the Organizations table. Click the Save button and a message will appear “Your changes have been saved.”	The following table lists the organization(s) whose student information is available to the user. Click Organization button to associate more organizations to the user. <table><thead><tr><th>Org ID</th><th>Org Name</th><th>Org Level</th><th>Actions</th></tr></thead><tbody><tr><td>89</td><td>Baker County School District</td><td>District</td><td>Remove</td></tr><tr><td>399</td><td>Ms. Smith</td><td>Classroom</td><td>Remove</td></tr></tbody></table> Add More Organizations Save	Org ID	Org Name	Org Level	Actions	89	Baker County School District	District	Remove	399	Ms. Smith	Classroom	Remove
Org ID	Org Name	Org Level	Actions											
89	Baker County School District	District	Remove											
399	Ms. Smith	Classroom	Remove											

Test Administration Training

This section provides instructions on how to access and proceed through the required MSAA Online Test Administration Training course, and how to monitor training for TAs in your district or school.

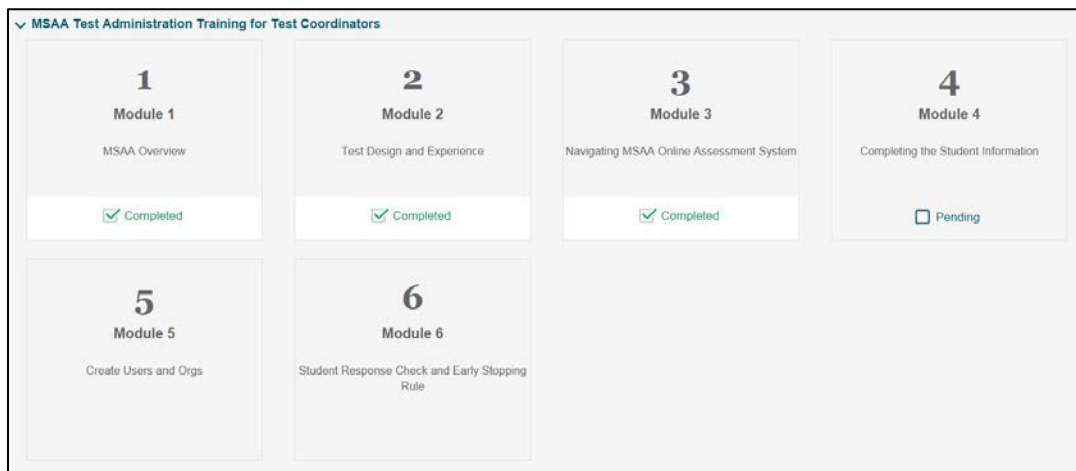
TCs are required to complete all six modules in the MSAA Online Test Administration Training for Test Coordinators.

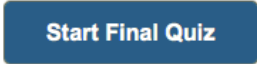
Note: TCs are not required to complete the end-of-training final quiz. If you are both a TC and a TA in your school/district, **you are required to complete both courses and attain an 80% accuracy score** on the end-of-training final quiz for TAs. Modules can be reviewed as needed after training is complete.

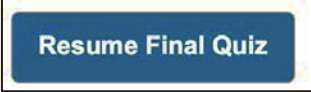
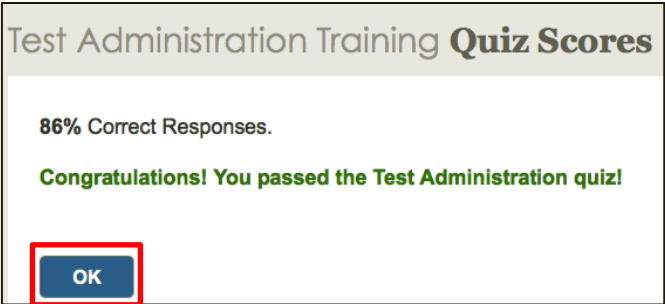
- 1 On the Test Administration Training home page, you will see the available training modules.

Each of the blocks represents modules that must be completed in sequence.

The MSAA Online Assessment System will keep track of the progress through the required modules.



2	The system will launch the training module in a separate window. Each module contains audio and a script that can be turned on and off. You can also pause, exit, and resume the module at a later time. Instructions are provided within each module. Some modules contain short quizzes. These quizzes are checks for learning that are not recorded or scored.	Module 1 Outcomes At the end of Module 1, Test Coordinators (TCs) will: • Know the qualifications, training requirements, key roles, and responsibilities for both Test Administrators (TAs) and TCs • Know the location and purpose of important resources needed for Test Administration • Know how to identify and report Test Irregularities • Know how to access the MSAA Online System and which browsers/platforms are supported by the system for administration (Animation) At the end of Module 1, Test Coordinators (TCs) will (Animation) Know the qualifications, training requirements, key roles, and responsibilities for both Test Administrators (TAs) and TCs (Animation) Know the location and purpose of important resources needed for test administration (Animation) Know how to identify and report Test Irregularities (Animation) Know how to access the MSAA Online System and which browsers/platforms are supported by the system for administration
3	When you are finished with the module, you MUST click on the Pending check box beneath the block to unlock the next module in the sequence and proceed through the course.	Test Administration Training Completion of training is an important step to learn about the features of the MSAA system. Please take the training serve both roles, you will take the training modules for both. • Test administrators must attain a score of 80% on the final quiz to be certified to administer the test. ▼ MSAA Test Administration Training for Test Coordinators 1 Module 1 Responsibilities of Test Coordinators ✓ Completed 2 Module 2 Overview of MSAA Test and Testing Integrity ☐ Pending
4	Complete Final Quiz: This section is only applicable for TAs. Please ensure that the TAs complete all required training modules. When the status for all modules is marked as completed, the Start Final Quiz button becomes unlocked.	
5	TAs will click the Start Final Quiz button to complete the Final Quiz.	
6	TAs click on the Next button to navigate through the Final Quiz. TAs can pause and resume all training as needed. To pause, select the Save & Exit button. The system will redirect them back to the Training main page.	Professional Development 18 Final Quiz / Section 1 / Item 1 of 20   Bookmark Items Full Screen Help

7	When TAs are ready to resume the final quiz, they will select the Resume Final Quiz button.	
8	When TAs submit the final quiz, the system will display their quiz results. If TAs passed the end-of-training final quiz, their user profile will be updated with a Training Complete status and they will be able to access student tests and test materials. Click OK to navigate out of this page.	
9	If the TA does not attain at least 80% accuracy on the end-of-training final quiz, the system will display your results. The score results will include a message similar to what is displayed here. Click OK to return to the main Training page.	
10	The training modules are available to review information. The TA will click Retake Final Quiz button when ready to try again. TCs may also review the TA training modules.	

Track Test Administrators' Training Status

TCs should monitor all TAs' training status in the Test Administration Portal. The MSAA Online Assessment System will keep track of their completion status and can be viewed by TCs.

Managing Students and Completing Testing Activities

This section prepares you to manage the student roster in the Test Administration Portal. A TC may access the student roster to reassign a student from school to classroom, after having created the classroom in the MSAA Online Assessment System.

How to Access the Student Roster

1

In **Organizations**, click the hyperlinked number in the **Students** column in the organizations table. You may do this from a high level, such as the district, or you may view the students from a specific school or classroom.

2

Locate the organization for the student and click the hyperlinked number in the **Students** column.

Org ID	Code	Organization Name	Child Organizations	Users	Students
8	040000100120	Black Mountain Elementary School	4	6	666

3

The Student Roster page will display the students for the selected organization. To view and edit the student profile information, click on the **Student ID** of the student.

Student ID (system-generated ID)	Student ID (state-issued)	Student First Name	Student Last Name	School Name
5	74305182	Willie	Rattanachane_qa	Black Mountain Elementary School
6	77961839	Athena	Sito	Black Mountain Elementary School
7	37771075	Holden	Baltner	Black Mountain Elementary School

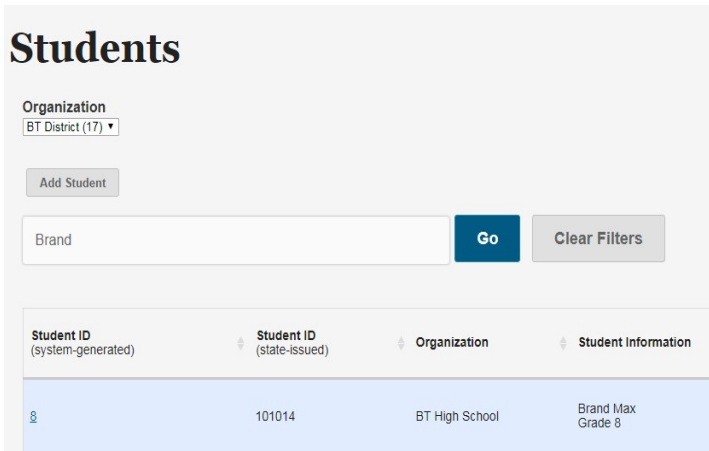
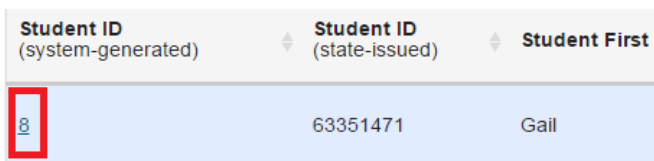
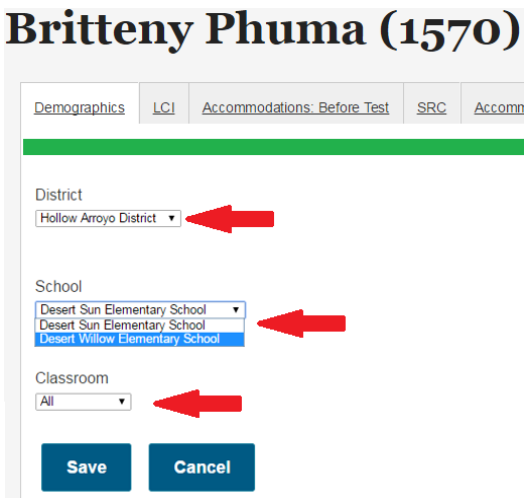
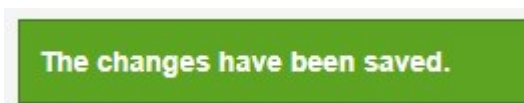
How to Transfer a Student to a New School or Classroom

In situations where a student must be moved to a new classroom, school, or district, test assignments will move with that student, regardless of the test status. Please check your state policy.

To transfer a student, the TC must have the ability to see the student's current school or class and the new school or class where the student is moving.

If the student is moving to a new district and the district TC does not have access to both districts, the state coordinator will need to complete the transfer.

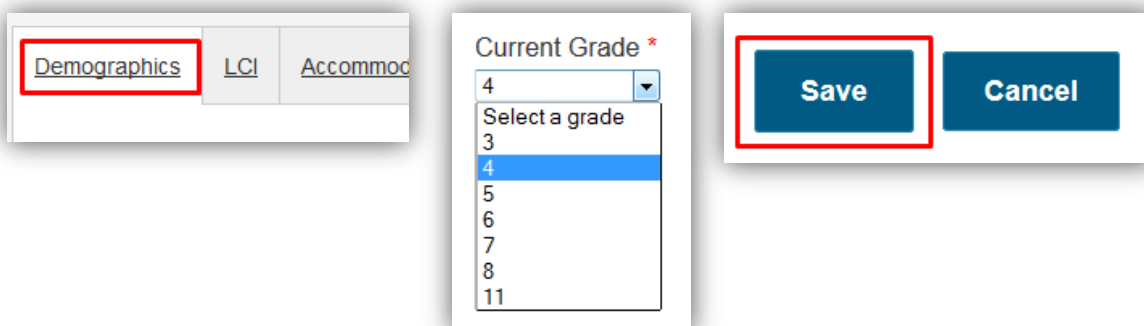
1	<u>Students with Tests In Progress</u> : Prior to moving a student to a new organization, the current TA should ensure that a student's test is saved and, if the ELA writing prompt has been completed, all supporting evidence is uploaded.
---	---

2	In Students, use the drop-down list to select the School or Class in which the student is <u>currently</u> enrolled. Use the “Filter all columns” field to search for the student in question. This search field is located above the table of students and searches the entire table for the information entered in the search box.	
3	Click the hyperlink in the Student ID column to open the Student Profile.	
4	On the Demographics tab of the Student Profile, scroll to the bottom to see the Organization to which the student is currently assigned. Use the drop-down lists to select the student’s new District, School, or Classroom. When the new Organization is selected, click Save.	
5	Once saved, a confirmation message appears above the student’s name at the top of the page.	

How to Change a Student's Grade Assignment

It may be necessary to update a student's grade assignment. Only TCs may make changes to a student's grade. Although this may occur at any time during the testing window, it should be done as early as possible and preferably before administering the assessment to the student. To do so, follow the two-step process outlined below.

- First, you must update the grade information in the student profile as shown here.



The screenshot shows three parts of the MSAA interface. On the left, a tabbed interface with 'Demographics', 'LCI', and 'Accommodations' tabs; 'Demographics' is selected and highlighted with a red box. In the center, a 'Current Grade' dropdown menu is open, showing a list of grades from 3 to 11, with '4' selected and highlighted in blue. On the right, a 'Save' button and a 'Cancel' button are shown; the 'Save' button is highlighted with a red box.

- **After completing step 1, you must call your MSAA State Lead to confirm your identity, and request a form reassignment to the new grade.** Note: Do not send student-identifying information via email. TCs must phone this information in.

How to Add a Student

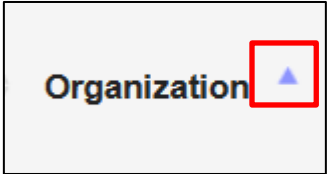
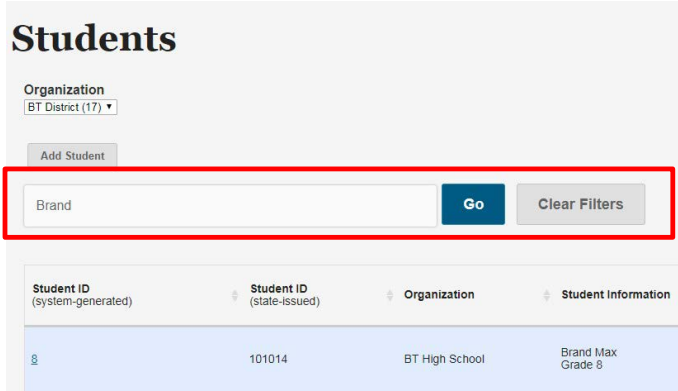
In some rare cases you may need to create a student manually if he or she was not included in the student enrollment process during the enrollment window. If a student needs to be added in your district, contact your State MSAA Coordinator.

How to Remove a Student

If a student in your organization needs to be removed from the MSAA Online Assessment System, contact your State MSAA Coordinator.

Monitoring Test Status

The **Test Status Summary** provides a snapshot of test completion in your organization by showing the total number of Math and ELA tests of each status for each grade. **Students** can provide more detailed information, and can be filtered.

1	In Students, use the small area by each column header to sort by that criterion. For example, you may sort by Organization to view all the students in each school or classroom together.	
2	Use the search box to search by particular criteria. For example, find a specific student by entering his or her Student ID or name in the Search box. Enter your search criteria, then click Go to filter Students.	

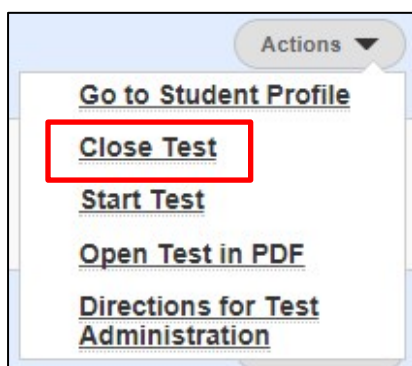
Test Status Summary Export

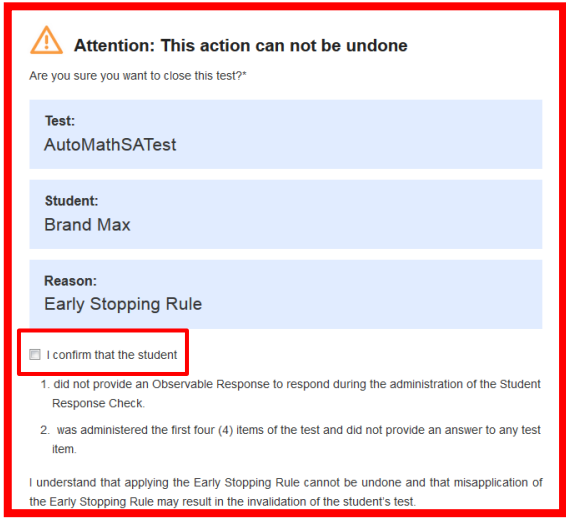
1	Click Test Status Summary .
2	Click Download . 
3	An Excel spreadsheet will download with the same information that is displayed on the Test Status Summary page. Users associated with multiple districts can use the “Organization” menu to select any of their districts.

Closing a Test for the Early Stopping Rule (ESR)

The **ESR** is the only reason a TC can close a student’s test. TAs are directed to contact their TC when they have followed the ESR process as outlined in the TAM (Refer to page 36).

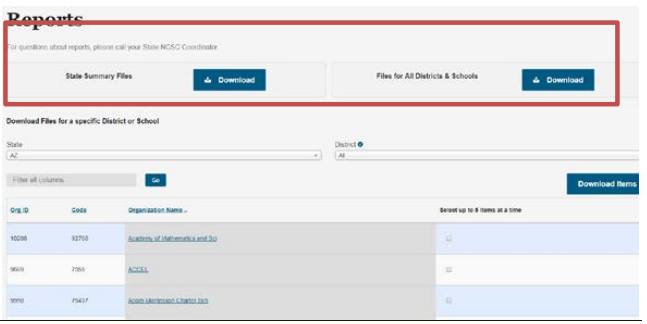
After confirming the criteria have been met, follow the instructions below to close a student’s test. **Please note that this process must be completed for both ELA and Math tests.**

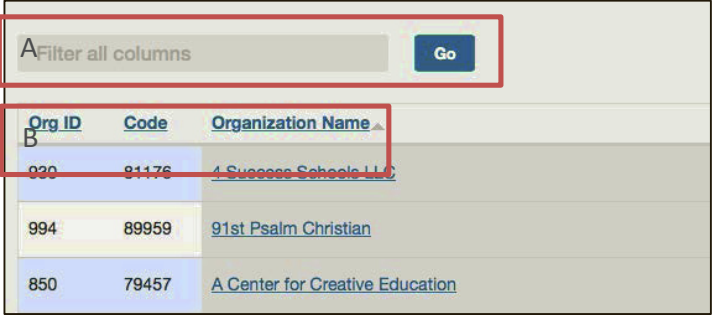
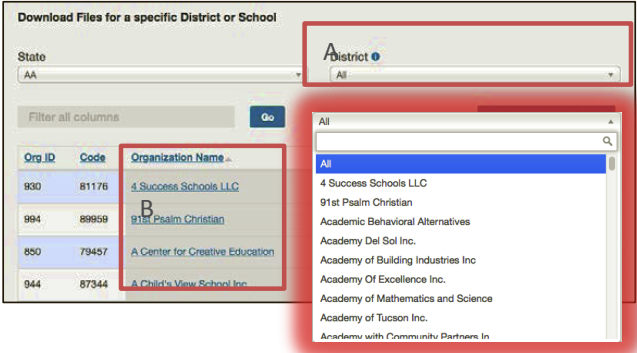
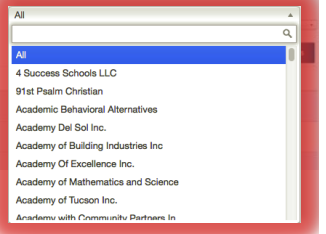
1	Find the student in Students . In the Actions menu, select Close Test for both ELA and Math tests. 
---	--

2	The MSAA Online Assessment System will bring up a prompt asking you to confirm the student information, and that the two criteria for the ESR have been met. If the criteria have been met, check the box.	
3	Once the confirmation box has been checked, the Close Test button will become available. Click Close Test. Please note that this process must be completed for tests in <u>both</u> content areas.	

Reports

This section provides instructions on how to access and download State, District, and Schools Report files for the organizations with which you are associated during the reporting window. Only TCs have permission to view and download reports. This tab will not be activated until the online reporting window opens.

1	District/School report files are selected within the table shown. Users can download up to five selections files at a time, then click the Download button to create a .Zip file automatically. Each selection will include two district reports and four school reports for each school contained within that district.	
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2	Note: Any download must be confirmed before it begins.	Are you sure you want to download this file? If yes, please click the "Yes, download" button and wait for the download to fully complete. Yes, download No, cancel												
3	A) The table list of districts can be filtered by "All" characters or words typed into the "Filter all columns" text field when the Go button is selected. B) The table is also sortable. Organization Name is the table's default sort option, but a user can sort the table by Org ID and Code by clicking on the heading link, which toggles either numerically or alphanumerically, forward and back.	 <table border="1"> <thead> <tr> <th>Org ID</th> <th>Code</th> <th>Organization Name</th> </tr> </thead> <tbody> <tr> <td>930</td> <td>81176</td> <td>4 Success Schools LLC</td> </tr> <tr> <td>994</td> <td>89959</td> <td>91st Psalm Christian</td> </tr> <tr> <td>850</td> <td>79457</td> <td>A Center for Creative Education</td> </tr> </tbody> </table>	Org ID	Code	Organization Name	930	81176	4 Success Schools LLC	994	89959	91st Psalm Christian	850	79457	A Center for Creative Education
Org ID	Code	Organization Name												
930	81176	4 Success Schools LLC												
994	89959	91st Psalm Christian												
850	79457	A Center for Creative Education												
4	A) A user can select a district from the drop-down to choose specific school reports from the second-level school table page. OR B) Click on the hyperlink organization name within the table itself.													
5	The second level school table page allows for selection of any school within any district for which a TC has permissions. Changing the district on the school table page will show your specific district options. If you have access to more than one district, the schools shown will change when you select a different district.	Reports The questions about reports, please call your State NCSC Coordinator. State Summary Files Download Files for All Districts & Schools Download Files for a specific District or School State: AZ Filter all columns Go <table border="1"> <thead> <tr> <th>Org ID</th> <th>Code</th> <th>Organization Name</th> </tr> </thead> <tbody> <tr> <td>1028</td> <td>92761</td> <td>Academy of Mathematics and Science</td> </tr> <tr> <td>0889</td> <td>7355</td> <td>ACCEL</td> </tr> <tr> <td>0890</td> <td>79457</td> <td>Academy of Mathematics and Science</td> </tr> </tbody> </table> Note: TCs associated to schools without full district permissions will see only the school reports with which they are associated. 	Org ID	Code	Organization Name	1028	92761	Academy of Mathematics and Science	0889	7355	ACCEL	0890	79457	Academy of Mathematics and Science
Org ID	Code	Organization Name												
1028	92761	Academy of Mathematics and Science												
0889	7355	ACCEL												
0890	79457	Academy of Mathematics and Science												

Appendices

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Appendix A: Accessibility Features and Assistive Technology Compatibility

Accessibility Features

On the following pages are lists of accessibility features that may be helpful for students taking the computer, laptop, or tablet administration or for those students for whom a hybrid administration is appropriate

Accessibility Features: Computer, Laptop, or Tablet Administration	
Allowed Reading	The TA may read the directions, answer options, or passage as often as is reasonable to obtain a student's response to an item. All text must be read to students exactly as written, with no paraphrasing or word substitution.
Alternate Color Theme Tool	The student or TA can change the onscreen background color and/or text color based on need or preference. The options are: • White background with black text • Light blue background with black text • Black background with white text • Cream background with black text • Light magenta background with black text • Dark blue background with light blue text
Alternative Text	Alternative text includes descriptive statements for graphics (e.g., tables, charts, graphs, timelines, etc.) that may need to be described verbally in order for the student to understand an item. <i>Alternative text can be read by the embedded Audio Player or the TA. If the TA will read the alternative text, it is included in the DTA and should be read as indicated.</i>
Answer Masking Tool	The embedded Answer Masking tool allows students and TAs to electronically cover and reveal individual answer options as needed.
Audio Player Tool	The embedded Audio Player reads each line automatically and can be paused, resumed, and made to repeat segments as needed. The pace of reading can be controlled by the student or TA so that text may be slowed or sped up depending on student needs.
Increase/Decrease Size of Text and Graphics	Computers, laptops, and tablets provide zoom-in and zoom-out functions. Projection systems, video magnifiers, and smart boards may be used to increase the size of text and graphics. The zoom feature found in Web browsers may also be used to reduce the size of text or graphics in order to view more item information on one page.
Increase Volume	To increase the volume on the computer, laptop, or tablet, use the built-in volume control options. Students may need headphones depending on testing location.
Line Reader Tool	The embedded Line Reader tool allows the entire item to be shaded, and an adjustable box allows attention to be focused on one line or a few lines at a time. The box can be adjusted by the student or the TA.
Magnification Tool	The embedded Magnification tool increases the size of the text and graphics only in the selected area. The magnification tool is attached to the cursor so it will highlight any section the mouse hovers over.

**Manipulatives
for
Mathematics**

Directions for the use of manipulatives are described in the DTAs; to the extent possible, these should be the tools the student uses during instruction. Manipulatives are not provided by MSAA because not all students use the same tools. Possible manipulatives and tools required for testing include:

1. Ruler, thermometer, clock, abacus, talking calculator, raised line graph/grid paper, tiles, blocks, etc.
2. Calculator. Each item includes information for the TA on whether a calculator is allowable. Most items do allow the use of a calculator, but it is important to note which ones do not.

Tactile Graphics

Tactile graphics are raised versions of print graphics that are adapted for the sense of touch (*Guidelines and Standards for Tactile Graphics*, 2010, Braille Authority of North America). An example is the raised lines on a simplified image of the parts of a flower or on a mathematical graph.

Tactile graphics may be used during the Test if they are already used by the student on a regular basis. Review the MSAA vocabulary lists for ELA and Mathematics prior to testing to ensure that students have time to learn and become familiar with any new tactile graphics. TAs are responsible for creating any tactile graphics the student may require.

Accessibility Features: Paper Administration
Allowed Reading

The TA may read the directions, answer options, or passage as often as is reasonable to obtain a student's response to an item. All text must be read to students exactly as written, with no paraphrasing or word substitution.

**Alternate Color
Themes**

Acetate overlays in the color preferred by the student should be used. Another option is to print the Test on paper that is the color preferred by the student.

Alternative Text

Alternative text includes descriptive statements for graphics (e.g., tables, charts, graphs, timelines, etc.) that may need to be described verbally in order for the student to understand. *Alternative text is included in the DTA and should be read aloud by the TA as needed.*

Answer Masking

For students who require answer masking on the paper version of the Test, TAs should use paper or cards to cover and reveal individual answer options as needed.

**Increase/
Decrease Size of
Text and Graphics**

Paper versions of the Test can be projected by document projection devices or interactive white boards as needed by the student.

Increase Volume

TAs can adjust the volume of their voice as necessary.

Line Reader

The TA or student can use two pieces of paper to limit attention to one or a few illuminated lines at a time, while blocking out the rest of the test item.

Magnification

Any handheld magnification device normally used by the student is acceptable.

Manipulatives for Mathematics

Directions for the use of manipulatives are described in the DTAs; to the extent possible, these should be the tools the student uses during instruction. Manipulatives are not provided by MSAA because not all students use the same tools. Possible manipulatives and tools required for testing include:

1. Ruler, thermometer, clock, abacus, talking calculator, raised line graph/grid paper, tiles, blocks, etc.
2. Calculator. Each item includes information for the TA on whether a calculator is allowable. Most items do allow the use of a calculator, but it is important to note which ones do not.

Object Replacement

An object or part of an object may be used to represent a person, place, object, or activity. For example, a silk flower petal, leaf, and stem may represent parts of a flower or interlocking centimeter blocks may represent graphed numbers.

Object replacement may be used during the Test if it is already used by the student on a regular basis. Please review the MSAA vocabulary lists for ELA and Mathematics prior to testing to ensure that students have time to learn and become familiar with any new objects. TAs are responsible for creating any objects the student may require.

Tactile Graphics

Tactile graphics are raised versions of print graphics that are adapted for the sense of touch (*Guidelines and Standards for Tactile Graphics*, 2010, Braille Authority of North America). An example is the raised lines on a simplified image of the parts of a flower or on a mathematical graph.

Tactile graphics may be used during the Test if they are already used by the student on a regular basis. Review the vocabulary lists for ELA and Mathematics prior to testing to ensure that students have time to learn and become familiar with any new tactile graphics. TAs are responsible for creating any tactile graphics the student may require.

Tactile Symbols

Tactile symbols are concrete representations of objects or concepts developed for individuals who are visually impaired or have a practical need for a graphic language system. For example, a seed within a textured triangle can represent a plant or a textured slanted line with a series of dots can represent a graph.

Tactile symbols may be used during the Test if they are already used by the student on a regular basis. Review the MSAA vocabulary lists for ELA and Mathematics prior to testing to ensure that students have time to learn and become familiar with any new symbols. TAs are responsible for creating any tactile symbols the student may require.

Assistive Technology Compatibility

The MSAA System supports a variety of assistive technology (AT) devices. In general, the following assistive technology types are expected to be compatible with the MSAA system*:

a. Text-to-speech

The MSAA System supports text-to-speech devices. The text-to-speech devices should be tested with the sample items prior to administering the test to students.

b. Alternate keyboards

In general, alternate keyboards should be compatible as a basic USB keyboard. The keyboards should be tested with the sample items prior to administering the test to students.

c. Switch-based navigation and answer selection

Switch-based navigation systems have been tested and should be compatible with the MSAA System. Please test the device using the sample items prior to administering the test to students.

d. Eye-gaze

We anticipate eye-gaze devices to be compatible with the system and have tested some devices to assure compatibility

* Refreshable Braille display is not supported by the MSAA Online Assessment System.

Keyboard-Only Navigation Shortcuts

Keyboard Navigation Reference	PC Shortcut Key	Mac Shortcut Key
PREVIOUS	CTRL + left arrow	CTRL + <
NEXT	CTRL + right arrow	CTRL + >
SELECT ANSWER	NUMBER KEYS (1-10)	NUMBER KEYS (1-10)
SCROLL UP	CTRL + Up Arrow	CTRL + Option + Up Arrow
SCROLL DOWN	CTRL + Down Arrow	CTRL + Option + Down Arrow
ZOOM OUT	CTRL + Minus Key (-)	
ZOOM IN	CTRL + Plus Key (+)	
HELP	CTRL + ?	CTRL + ?
WRITING EVIDENCE SHORTCUTS		
UPLOAD EVIDENCE	CTRL + ALT + U	CTRL + U
OPEN QUESTION LISTING	CTRL + ALT + L	CTRL + L
OPEN & CLOSE ACCESSIBILITY MENU	CTRL + ALT + O	CTRL + O
Attach File	CTRL + ALT + A	CTRL + A
Choose File/Browse	CTRL + ALT + C	CTRL + C
Description Box	CTRL + ALT + D	CTRL + D
File Attachment	CTRL + ALT + F	CTRL + F
Retake Snapshot	CTRL + ALT + R	CTRL + R
Take Snapshot	CTRL + ALT + T	CTRL + T
Web Camera	CTRL + ALT + W	CTRL + W
CLOSE OVERLAY/POP-UPS	CTRL + ALT + X	CTRL + X
REVIEW SESSION/NEXT POP-UP	CTRL + ALT + N	CTRL + N

Appendix B: Technology Requirements

Devices

Desktop computers, laptops, tablets, and other devices can be used to administer the assessment. The following devices are supported when used with the browsers listed in the **Browser** section below.

- a. iPad Mini
- b. iPad 2
- c. Windows Surface
- d. Chromebook

Operating System

The supported operating systems for each device are listed below. Use the latest version of the supported browsers to access the assessment successfully.

Device	Version
Windows Computer	Windows 7, 8, 8.1 and 10
Mac (Apple OS X) Computer	10.7 (Lion), - 10.11 (El Capitan)
iPad Mini	iOS 8.4
iPad 2	iOS 9.3.4
Windows Surface	Windows RT 8.1
Chromebook	Chrome OS 49.2623.95

Browser

You will access the test and test materials using a browser installed on your laptop, computer, or tablet. It is important that you have the latest version of at least one of the browsers listed below for the smoothest administration of the Test.

If you don't know what browser you are using and which version it is, go to the Google site whatbrowser.org and it will automatically provide that information. You can also upgrade your browser to the latest version from this page for free. If you experience problems with loading the assessment, log out, then log in with a different browser. Below are the supported browser versions.

Browser	Version	To Install
Chrome	26 and above	http://www.google.com/chrome
Firefox	24 and above	http://www.mozilla.com
Internet Explorer & Edge	IE11 and above	Already installed on all Windows computers

