

Infrastructure Trial Readiness Guide for Spring 2018 MCAS Computer-Based Testing

February 2018

Massachusetts Department of Elementary and Secondary Education

75 Pleasant Street, Malden, MA 02148-4906

Phone 781-338-3000 TTY: N.E.T. Relay 800-439-2370

www.doe.mass.edu



This document was prepared by the
Massachusetts Department of Elementary and Secondary Education
Jeff Wulfson
Acting Commissioner

The Massachusetts Department of Elementary and Secondary Education, an affirmative action employer, is committed to ensuring that all of its programs and facilities are accessible to all members of the public.

We do not discriminate on the basis of age, color, disability, national origin, race, religion, sex, gender identity, or sexual orientation.

Inquiries regarding the Department's compliance with Title IX and other civil rights laws may be directed to the Human Resources Director, 75 Pleasant St., Malden, MA 02148-4906. Phone: 781-338-6105.

© 2018 Massachusetts Department of Elementary and Secondary Education
Permission is hereby granted to copy any or all parts of this document for non-commercial educational purposes. Please credit the "Massachusetts Department of Elementary and Secondary Education."

This document printed on recycled paper

Massachusetts Department of Elementary and Secondary Education
75 Pleasant Street, Malden, MA 02148-4906
Phone 781-338-3000 TTY: N.E.T. Relay 800-439-2370
www.doe.mass.edu



Important Contact Information and Resources

Contact:	MCAS Service Center
For questions on:	<ul style="list-style-type: none">• general test administration support• PearsonAccess Next and TestNav such as<ul style="list-style-type: none">○ user accounts○ technology support and readiness○ Infrastructure Trials and ProctorCaching○ viewing student records and organizations○ the SR/PNP process and loading files• logistical support, including filling out the Materials Summary and the PCPA• locating resources• shipments of materials
Hours:	7:00 a.m.–5:00 p.m., Monday–Friday
Web:	mcas.pearsonsupport.com
Email:	mcas@measuredprogress.org
Telephone:	800-737-5103
Fax:	877-325-4421

Contact:	ESE Office of Student Assessment Services
For questions on:	<ul style="list-style-type: none">• policy, such as assigning accessibility features and accommodations• student participation• testing irregularities, including test security incidents and technology irregularities/failures• undoing test submissions for CBT• voiding a test for CBT• student data and SIMS (See note below regarding SIMS.)
	Questions regarding SIMS data should be directed to the district's SIMS contact (go to profiles.doe.mass.edu/search/search.aspx?leftNavID=11239 , select SIMS Contact from the Function menu, and click Get Results).
Hours:	8:00 a.m.–5:00 p.m., Monday–Friday during test administration windows Between 7:00 a.m. and 8:00 a.m. during the test administration windows, MCAS Service Center representatives will receive calls to 781-338-3625, answer questions regarding logistics, and take messages for Department staff, which will be returned during our regular business hours.
Web:	www.doe.mass.edu/mcas/admin.html
Email:	mcas@doe.mass.edu
Telephone:	781-338-3625
Fax:	781-338-3630

Table of Contents

Important Contact Information and Resources.....	i
I. Infrastructure Trial Overview.....	1
II. Using the PearsonAccess^{next} Training Site	2
III. Technology Set-Up	3
IV. Generating Sample Student Records.....	10
V. Administering Accommodated Practice Tests.....	11
VI. Creating PearsonAccess^{next} Sessions.....	14
VII. Preparing the Infrastructure Trial	19
VIII. Administering the Infrastructure Trial	22
IX. Monitoring the Infrastructure Trial.....	25
X. Follow-up	30
Appendix A: Terms Related to Computer-Based Testing	31

I. Infrastructure Trial Overview

Purpose and General Overview

An Infrastructure Trial is an opportunity for districts, schools and students to prepare for computer-based MCAS testing by simulating test-day network utilization. This “dress rehearsal” will help to confirm that all testing devices are properly configured, that school and district networks can handle online testing, and that staff members are familiar with their role in administering an online test.

This trial is also an opportunity to introduce students to TestNav and practice using the online tools.

Conducting an Infrastructure Trial provides the school with a scheduled opportunity to practice administering a test in a low-stakes environment that can identify possible problems with technology and communication. This process will help avoid delays or issues during operational testing. And, unlike during an operational administration, this trial will not use real student information (sample students will be created in the PearsonAccess^{next} training site), but many of the other steps for an operational administration will be followed.

The Infrastructure Trial confirms:

- TestNav is configured correctly
- Devices can successfully run TestNav
- Participating staff know how to monitor and manage a computer-based MCAS assessment
- Students are familiar with the computer-based tools and format

Note that students participating in the Infrastructure Trial practice test will not receive a score at the end of the session; if schools would like for students’ practice tests to receive a score, schools should also administer the practice tests available in the [MCAS Resource Center](#).

Scheduling the Infrastructure Trial

The Department recommends that schools conduct an Infrastructure Trial prior to each CBT administration.

The Infrastructure Trial should take approximately 60 minutes to administer. However, additional time is needed for the following tasks prior to administration: training staff, creating sample student records, creating sessions, and configuring the network. The time involved will vary depending on the size of the school/district and whether multiple grades will participate at the same time.

See the [testing schedule and administration deadlines](#) for the recommended windows for conducting an Infrastructure Trial.

Individuals to Include in the Infrastructure Trial

Everyone that will be involved in operational testing should be involved in the Infrastructure Trial. This may include:

- District test coordinator
- Principal or school test coordinator
- Test administrators
- Technology coordinator
- Students

Planning an Infrastructure Trial

Steps for the district test coordinator or principal/school test coordinator

1. Create a communication plan for the Infrastructure Trial.

A best practice for a computer-based testing is developing a communication plan for all of the staff members who have a role in administering computer-based tests.

Principals or test coordinators should establish communication with technology staff before the test schedule is set. The plan should document how to reach technology staff during operational testing as well as which individual (the technology coordinator or designee) will be designated to contact the MCAS Service Center in case of technology issues.

2. Schedule the Infrastructure Trial.

Schedule the following activities as part of the Infrastructure Trial:

- Consult with the technology coordinator, and confirm that all of the student testing devices meet the [technical specifications](#).
- Designate appropriate testing locations (see guidance in the [grades 3–8 Principal's Administration Manual](#) in Part III, section E).
- Ensure technology staff have set up, installed, and configured all necessary software.
- Train all staff involved in the Infrastructure Trial.
- Identify all students who will participate in the Infrastructure Trial.
A trial can be conducted with any number of students, but it is recommended that you select the maximum number of students you expect to be testing at the same time so that your trial approximates the actual anticipated load on your network.
- Have students practice TestNav navigation and tools by using the tutorial found at <http://mcas.pearsonsupport.com/student/>.

Once test sessions are created and the technology set-up is completed, plan approximately 60 minutes to administer the Infrastructure Trial.

Districts with a district test coordinator should inform their schools whether there will be a district schedule for administering the Infrastructure Trial.

II. Using the PearsonAccess^{next} Training Site

Steps for the district test coordinator, principal/school test coordinator, test administrators, and the technology coordinator

The [PearsonAccess^{next} training site](#) is used for the Infrastructure Trial (instead of the operational site) to create sample student records, create PearsonAccess^{next} Sessions, set up TestNav configurations, and monitor student test progress.

The Department created user accounts for new principals, test coordinators, and technology coordinators in each organization. New accounts were based on user information as of late January 2018 in the ESE Security Portal. Schools should create accounts for test administrators, as well as any other necessary staff members, following instructions in the *Guide to Importing Users into PearsonAccess^{next}*, available online in [the MCAS Resource Center](#) under the User Information dropdown.

Confirm that all staff members participating in the Infrastructure Trial have a user account for the training site and have been assigned their appropriate roles. To find a user in PearsonAccess^{next}, select **Users** from

the **Setup** dropdown menu. Here, search by last name or select **Show All** (the button next to the **search** button). To see a user's assigned role, click on the  icon and select the **Roles** tab. Refer to the User Role Matrix and the Guide to Importing Users into PearsonAccess Next on the [MCAS Resource Center](#) page for more information about creating users and assigning roles.

Note that users with accounts from last school year may have been created with an Active End Date. If that date has passed, the user will not be able to gain access to their accounts. Test coordinators should edit these accounts through the user interface or a file upload to update or remove the Active End Date. Once this is completed, users should update their passwords.

To log in to the training site for the first time (if you received an email notifying you of a new PAN account):

- Click on the link in the email.
- Create a password. You will be prompted to enter it twice, then click **Set Password**, and then click **OK**.
- To return to the training site, go to <https://trng-mcas.pearsonaccessnext.com/>.
- Click **Sign In**, and enter your username and password. Read the Privacy Policy and Terms and Conditions of Use, and then click **Accept**.

To log in to the training site for the first time (if you received an email notifying you of updated permissions to your PAN account):

- Go to <https://trng-mcas.pearsonaccessnext.com/>.
Click **Sign In**, and enter your username and password from the operational site.

To reset your password (if needed):

- Go to <https://trng-mcas.pearsonaccessnext.com/>.
- Click on the **Forgot Password** link.
- Enter your user name (typically one's email address), and then click **Request Password Reset**.

Notes on logging in:

1. If you reset your password to the training site, you will automatically reset your password for the operational site, since usernames and passwords for both sites will always match.
2. Users have five opportunities to log in correctly. After five unsuccessful attempts, the account will be locked, and the user will need to click **Forgot Password** on the home screen to reset the account.

III. Technology Set-Up

Steps for the technology coordinator before, during, and after the Infrastructure Trial

1. Review responsibilities for the Infrastructure Trial.

The technology coordinator and technology staff will need to review roles and responsibilities for preparing schools to conduct the Infrastructure Trial, and inform principals in the district.

2. Configure Internet firewalls, content filters, and spam filters.

- Configure Internet firewalls, content filters, or spam filters to allow access to the Pearson domain. Verify content filter/firewalls and allow the appropriate sites, including:
 - *.testnav.com:80
 - *.testnav.com:443
 - *.pearsontestcontent.com

- *. usertrust.com
 - *. comodoca.com
 - *. thawte.com
 - *. google-analytics.com (recommended, but not required)
 - Allow local file access to home directory
- The Department strongly recommends that schools use the TestNav application instead of the web-based version for testing, but if the web-based version is used (see below), set browsers to allow pop-ups.
- Configure the common applications listed below **not** to launch on any student test taking devices during the Infrastructure Trial or during operational testing:
 - Anti-virus software performing automatic updates
 - Power management software on laptops warning of low battery levels
 - Screen savers and sleep mode
 - Email with auto message notification
 - Calendar applications with notifications, such as Google Calendar
 - Pop-up blockers
 - Set automatic updates (iTunes)
 - Windows Accelerator
 - Mac OS three finger tap gesture on Macintosh computers with trackpads
 - Any other application that could have a popup message

3. Download the device-specific TestNav app.

For iPads, Chromebooks, or Androids, download a device-specific TestNav application from the Apple Store, the Google Chrome Web Store, Google Play, or

<http://mcas.pearsonsupport.com/technology-setup/>. Instructions on setting up and managing these devices are available at <https://support.assessment.pearson.com/x/HgACAQ>.

For Windows, Mac OS, and Linux operating systems, the Department strongly recommends using a desktop application. Details about the TestNav desktop app can be found at <http://download.testnav.com>. Note that Firefox ESR 52 (32-bit) is the **only** browser that will be supported for the Infrastructure Trial or operational testing, and the browser-based version should only be used if requested by the MCAS Service Center during a troubleshooting call. Additionally, the browser-based version may be required if a student is using an external screen reader or assistive technology device that is not compatible with the TestNav app.

4. Test the “lock down” settings.

Student testing devices must be able to operate in a “lock down” state to temporarily disable features and applications that could present a security risk.

Schools can test the security lock down settings following these steps:

- If using the TestNav desktop app, open TestNav and navigate to the Massachusetts sign in page, and then click the user icon in the top right and choose “App Check” from the menu.
- A success message should display within a few seconds.
- If there is an error message, review the [device setup instructions for the TestNav app](#) or contact the MCAS Service Center.
- If the Configuration Identifier is entered, the App Check will also verify that the device can connect to the ProctorCache computer and has the appropriate permissions to the primary and if specified, the secondary save locations. The identifier can be found in PAN on the **Create/Edit**

TestNav Configuration page (Setup > TestNav Configurations > Create/Edit TestNav Configurations).

- If using browser-based TestNav, navigate to <https://ma.testnav.com>, and then sign in to TestNav on a student-testing device with the following credentials:
 - Username = username
 - Password = password

A secure form with one item should load successfully. If the form does not launch or an error is received, review the [set-up instructions for browser-based TestNav](#) or contact the MCAS Service Center.

5. Download and install ProctorCache software.

The Department strongly recommends installing and using ProctorCache software to locally deliver test content to online testing. ProctorCache is loaded by the school or district to a designated desktop computer (not student testing device), which downloads test content prior to testing and delivers to student devices.

It is recommended that precaching be done at the **school level** instead of the district level, in order to reduce bandwidth issues and to limit the risk of a student device losing connection with the precaching machine, which could result in a disruption to testing.

Most desktop computers can serve as the precaching device; review the [technology specifications](#) for the minimum requirements.

ProctorCache software can be downloaded from <http://download.testnav.com/>, where system requirements are also posted. For more information on installing and using ProctorCache, refer to the [TestNav User Guide](#).

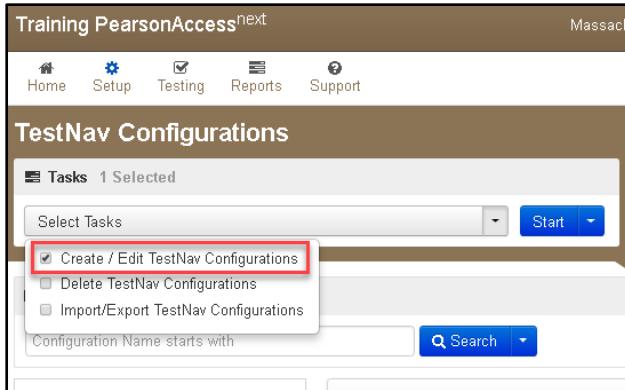
Once installed, ProctorCache provides access to a diagnostic monitoring web page, which allows school technology staff (if caching at the school level) or district technology personnel (if caching at the district level) to verify that test content has been successfully cached prior to testing.

Locate the caching computer's IP address, type **http://<IP address>:4480** in your browser, and then click **Enter** to view the caching interface. You will see three tabs: **Tests**, **Clients**, and **Help**. Select the **Tests** tab for information about test content and caching status. Select the **Clients** tab to monitor client connectivity.

6. Create the TestNav configuration.

The TestNav configuration will notify the student device where to access test content from the precaching machine once content becomes available. You may also change the default save location for encrypted backup files for TestNav in the TestNav configuration.

To create a TestNav configuration for your organization, select **TestNav Configurations** from the **Setup** menu on the PearsonAccess^{next} homepage, and select **Create/Edit Configurations** from the **Select Tasks** dropdown menu, and complete the following steps.



a. Complete the “Details” fields.

- Enter a Configuration Name.
- Select the Precaching Computer Override option (recommended for most devices/configurations). If selected, this will allow students to continue testing, even if they lose connection to the ProctorCache computer. This may slow the loading time of the tests as the testing devices will no longer be getting content from a local device, but there will be no testing disruption.
- Select the school/organization that will use this configuration from the **Organizations** dropdown menu.

b. Complete the “Default Precaching Computer” fields.

- Enter a **Computer Name** for the precaching machine.
- Enter an internal network **IP Address** of the precaching machine.
- Enter the **Port** number for the precaching machine, which will be 4480 for Pearson supplied ProctorCache software. If you will be using a non-Pearson supplied caching solution, uncheck the box next to “Uses Pearson Precaching Software” and then use the

correct port for the non-Pearson software.

The screenshot shows the 'Create / Edit TestNav Configurations' interface. In the center, there's a 'New Cache Configuration' form. On the left, under 'CONFIGURATIONS (0)', there's a 'Create Configurations' button. On the right, there are 'DETAILS' tabs for 'Create' and 'Reset'. The main area has a 'Configuration Name*' field, a checkbox for 'Precaching Computer Override', and a dropdown for 'Organizations'. Below these are sections for 'Default Precaching Computer' (with fields for Computer Name*, IP Address, and Port), 'Response File Backup Locations' (with options for Windows, Mac, and Linux primary and secondary locations, and mobile device options), and a note about port开放. A red box highlights the 'Default Precaching Computer' section.

c. Complete the “Response File Backup Locations” fields.

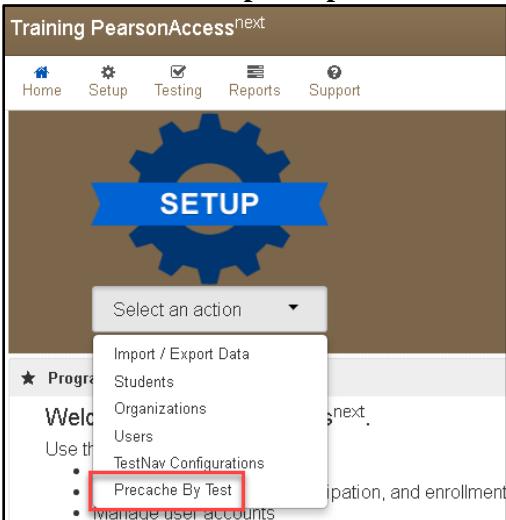
- Enter the **Primary** and **Secondary** save locations for the students’ backup files, which will be encrypted. There are options for Windows, Mac, and Linux devices, and there is an option to use an SFTP file backup location for mobile devices.
- For the primary location, the Pearson default location (i.e., the Pearson folder in the user’s home directory) is recommended. The Department recommends that a secondary save location also be designated.

This screenshot is identical to the one above, showing the 'Create / Edit TestNav Configurations' interface with the 'New Cache Configuration' form. The 'Response File Backup Locations' panel on the right is highlighted with a red box. It includes fields for Windows, Mac, and Linux primary and secondary locations, along with mobile device options. A note at the top of this panel provides instructions for SFTP file backup locations.

d. Click “Create” to complete the configuration.

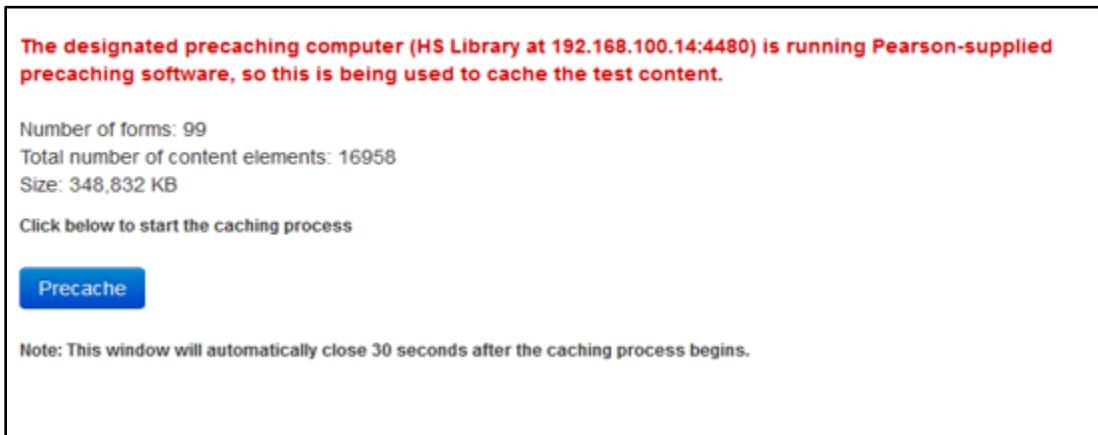
7. Precache test content by using the “Precache by Test” function.

a. Select “Precache by Test” from the “Setup” dropdown menu.



b. Select the test(s) to cache and the “Precache Server,” and then click “Precache.”

c. Click “Precache” in the pop-up message confirming the precaching computer.



d. A new window will open the ProctorCache diagnostic screen showing the precaching status.

You may need to enable pop-ups in your browser for PearsonAccess^{next} to see this screen.

The screenshot shows the ProctorCache software interface. At the top, there's a navigation bar with tabs for 'Tests', 'Clients', and 'Help'. Below the navigation bar is a toolbar with buttons for 'Refresh', 'Reload', 'Purge', a search bar, and a 'Clear' button. The main area is a table titled 'Tests' with columns for 'TEST', 'FORM', 'STATUS', 'ENTRIES', and 'CACHE DATE'. There are seven entries listed, all showing 'OK' status and a date of 'Jan 15, 2016' at '11:03 AM'. The 'TEST' column lists 'Grade 4 ELA/Literacy' repeated seven times, and the 'FORM' column lists various file paths for each test.

TEST	FORM	STATUS	ENTRIES	CACHE DATE
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTO01010300	OK	27	Jan 15, 2016 11:03 AM
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTO01010100	OK	26	Jan 15, 2016 11:03 AM
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTA01010300	OK	42	Jan 15, 2016 11:03 AM
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTA01010100	OK	12	Jan 15, 2016 11:03 AM
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTO01010200	OK	32	Jan 15, 2016 11:03 AM
Grade 4 ELA/Literacy	Grade 4 ELA/Literacy - 16EL04PTA01010200	OK	89	Jan 15, 2016 11:03 AM

8. Perform a “Preliminary System Test” (recommended).

Prior to students taking part in the Infrastructure Trial, the technology coordinator should perform a Preliminary System Test. The Preliminary System Test is an informal, small-scale Infrastructure Trial to help ensure systems are set up and in place before students participate. Technology coordinators should work with the principal or school test coordinator to follow the steps to create sample student records and a PAN Session. Then, technology staff will log into several student devices to confirm that they are able to connect to the precache computer.

9. Perform the following steps during the Infrastructure Trial.

a. Ensure ProctorCache software is running.

Locate the caching computer’s IP address and, then in your browser, type **http://<IP address>:4480** and then press **Enter** to view the ProctorCache interface. View three tabs: Tests, Clients, and Help. Select the **Tests** tab for information about test content and caching status. Select the **Clients** tab to monitor client connectivity.

b. Monitor network performance for slowdowns or ISP bandwidth usage.

- If testing devices are using a wireless connection, monitor the connections and verify that access point placement is sufficient for online testing
- Provide technology support as needed to the principal or school test coordinator and to test administrators.

10. Perform the following steps after the Infrastructure Trial.

a. Purge cached test content (recommended).

Note that if content is not purged, it will show in the caching interface in the next CBT administration.

In your browser, type **http://<IP address>:4480** and press **Enter** to view the ProctorCache interface. Choose the **Tests** tab to select the content to purge. A password is required to purge; note the default password is **t35t1n6**.

TEST	FORM	STATUS	ENTRIES	CACHE DATE
Grade 4 ELA Test	Grade 4 ELA Test - E17NSR04ELA01	OK	47	Mar 30, 2017 1:27 PM
Grade 4 ELA Test	Grade 4 ELA Test - E17SR04ELA01	OK	44	Mar 30, 2017 1:26 PM

b. Follow up on any issues that were identified.

Following the Infrastructure Trial, there may be things that require technical follow up and resolution prior to the operational test administration. Feedback from staff and students regarding TestNav performance, device connectivity, network performance, and access point placement, should be used to conduct follow up activities with the Infrastructure Trial team.

IV. Generating Sample Student Records

Steps for the district test coordinator or principal/school test coordinator

The Department recommends using sample student records and not real student data. Schools should determine the maximum number of expected concurrent testers during operational testing (i.e., 300 students testing on one day at 10 a.m.) in order to conduct their Infrastructure Trial with the same number of concurrent testers. The principal or test coordinator will then need to create sample student records in the training site, creating as many sample records as the number of students expected to participate in the Infrastructure Trial, as well as a 10 percent overage in case of login complications.

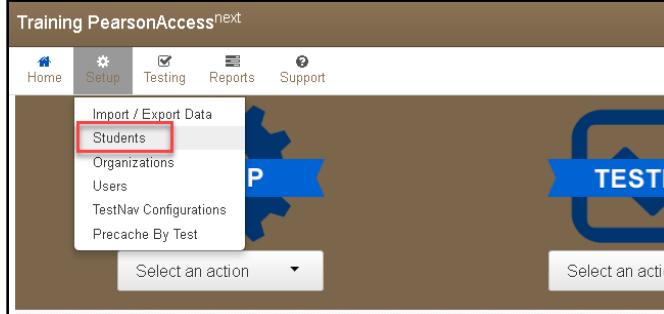
Note: The ability to generate sample student records exists only on the PearsonAccess^{next} training site.

To create sample student records:

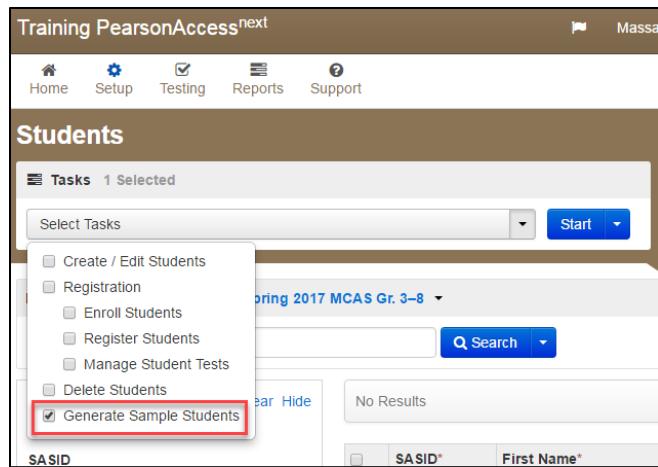
1. Log in to the MCAS training site.

Confirm that the correct administration is selected in the top right hand corner of PearsonAccess^{next}. Note for the grade 10 field tests and question tryouts: since grade 10 CBT practice tests will not be available until the 2018–2019 school year, high schools should use the grade 8 practice tests (select the Spring 2018 MCAS Gr. 3–8 Administration).

2. Click “Setup,” and then select “Students” from the dropdown menu.



3. Select “Generate Sample Students” from the “Select Tasks” dropdown menu, and then click “Start.”



4. Populate the following fields in the “Generate Sample Students” screen, and then click “Generate.”

- **Organization:** Select your school/organization.
- **Group:** Select **Create New Group**, and enter a group name that is easy to find (e.g., grade, subject, and location). This will be used later to add students to a PearsonAccess^{next} Session.
- **Student Grade:** Select the grade for which the students are reported in SIMS.
- **Test:** Select the appropriate subject area test from the dropdown menu.
- **Test Format:** Select **Online**.
- **Number of Students:** Enter the number of students. It is recommended that you create at least 10 percent more students than needed, in case additional student testing tickets are needed.

Repeat steps 2–4 for each group of sample students to be created.

V. Administering Accommodated Practice Tests

Steps for the district test coordinator or principal/school test coordinator

Most, but not all accommodations and accessibility features are available for the practice tests administered as part of the Infrastructure Trial. All accommodated tests can be taken on the TestNav app

for the 2017–2018 administrations, although it is recommended to test third party software and hardware prior to live testing to ensure compatibility with the app.

The following PNP-enabled accessibility features are available for practice tests in the Infrastructure Trial:

- **Alternative Background and Font Color:** The Alternative Background and Font Color is available for the grades 3–8 practice tests (all grades/subjects).
- **Answer Masking:** Answer Masking is available for the grades 3–8 practice tests (all grades/subjects).

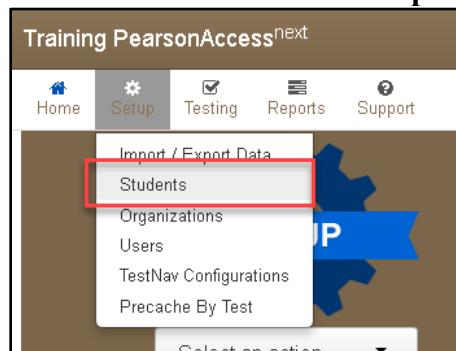
The following accommodations are available for practice tests in the Infrastructure Trial. Where noted by an asterisk, practice test editions are only accessed in the Infrastructure Trial and not via the app or in the MCAS Resource Center.

- **Text-to-Speech:** Text-to-Speech is available for all grades 3–8 ELA, Mathematics and STE practice tests.
- ***Assistive Technology:** The Assistive Technology (AT) accommodation is available only for the grade 3 ELA practice test; it is meant to be a sample for school staff to ensure that students' external AT software/hardware function as expected with TestNav prior to operational testing.
- ***Screen Reader:** The Screen Reader accommodation is available only for the grade 3 Mathematics practice test; it is meant to be a sample for school staff to ensure that students' external Screen Readers (e.g., JAWS) function as expected with TestNav prior to operational testing.
- **Human Reader/Human Signer:** These accommodations involve assigning a proctor ticket, so the students **must** be placed in a separate PearsonAccess^{next} Session marked as a Human Reader/Human Signer session. More information on this can be found in the [Guide to the Student Registration/Personal Needs Profile \(SR/PNP\) Process](#). These accommodations are available for all grades 3–8 ELA, Mathematics, and STE practice tests.
- **Spell-Checker:** The Spell-Checker accommodation is available for all grades 3–8 ELA practice tests.

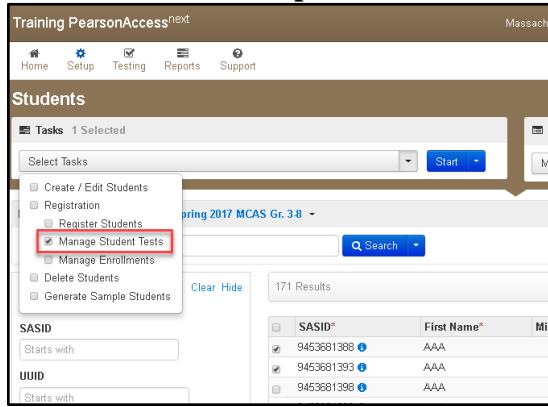
For more information about accessibility features and accommodations, refer to the [Guide to the SR/PNP Process](#). For information about assistive technology, refer to the [Guidelines for Using Assistive Technology as an MCAS Test Accommodation](#).

These accessibility features and accommodations, including accommodated test forms, **must be assigned prior to preparing and starting a PearsonAccess^{next} Session**. Use the following steps to assign accessibility features and accommodations.

1. Click “Setup,” and then select “Students” from the dropdown menu.



- 2. Select the student whose test will be assigned an accommodation, and select “Manage Student Tests” from the “Select Tasks” dropdown menu.**



- 3. Select the subject area test on the left-hand side of the screen, and select the appropriate accessibility features and/or accommodations.**

- 4. Recommended: Rename the student so that the accommodated test is easier to find. Select the “Add Task” button on the top black bar, and then select “Create/Edit Student” and select the student record on the left to update the name and click “Save.”**

STUDENTS (1)

STUDENT, NEW (1885975371)

Organization*: DESE TEST MIDDLE (00000003)

First Name*: TEXT TO SPEECH

Middle Initial:

Last Name*: STUDENT

SASID*: 1885975371

Date of Birth*: 2005-03-13

Gender: M - Male

* Required

Save Reset Show Student Details

VI. Creating PearsonAccess^{next} Sessions

Steps for the district test coordinator, or principal/school test coordinator

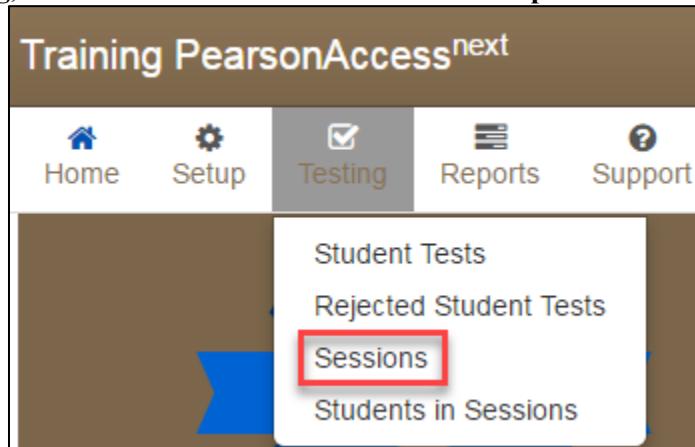
After sample student records have been created, the district test coordinator, principal or school test coordinator will need to create online PearsonAccess^{next} Sessions, which are grade- and subject-specific. A PearsonAccess^{next} Session is a group of students in PearsonAccess^{next} who will be testing at the same time and place. (This is different from the actual test session.)

Recommendations for creating PearsonAccess^{next} Sessions:

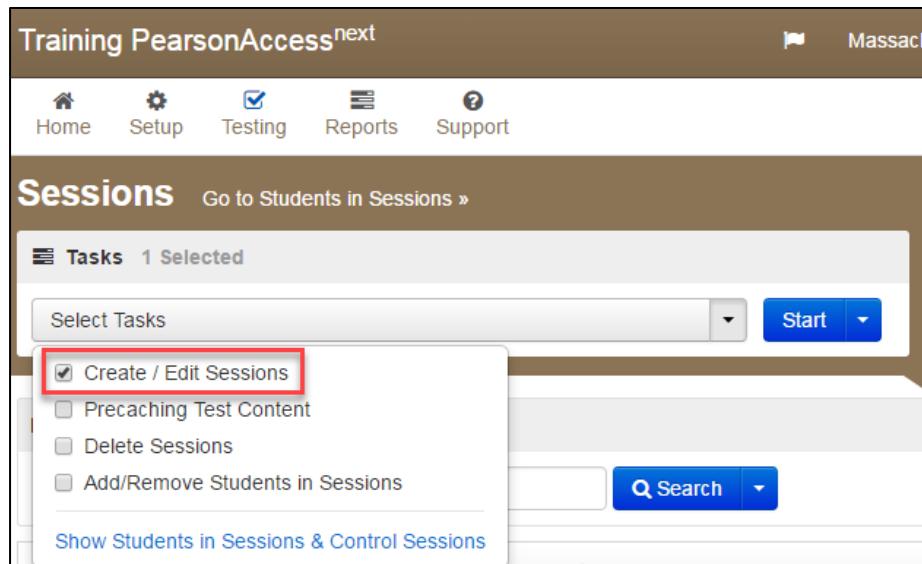
- Create a unique PearsonAccess^{next} Session for each group that will be testing.
- Include the testing location and the name of the test administrator in the name of the PearsonAccess^{next} Session.

1. Create PearsonAccess^{next} Sessions.

- a. Click “Testing,” and then select “Sessions” from the dropdown menu.



- b. Click “Select Tasks,” select “Create/Edit Sessions,” and then click the blue “Start” button.



c. Complete the “Details” screen.

- Enter the **Session Name**, and then select the **Organization** from the dropdown menu.
- Complete the **Test & Form** section by selecting the **Test Assigned** dropdown menu and choosing the appropriate practice test from the dropdown.
- Set **Form Group Type** to **Standard** from the **Form Group Type** dropdown.
- Select the **Precaching Computer** from the dropdown menu (if there are no options in the dropdown, see page 5 (“Create the TestNav configuration”) to create the precaching computer configuration).
- Enter the **Scheduled Start Date** and the **Scheduled Start Time**. (These are meant to be used for planning purposes only; entering incorrect information will not have an effect on when the practice tests can actually be administered.)
- Click in the box underneath “Students” to add individual students or click on the dropdown arrow next to the school code to instead find by group name (as shown in the following step).

DETAILS

New Session

Session Name* SESSION NAME **Organization*** Add **Create** **Reset**

Test & Form

Test Assigned* Test **Scheduled Start Date***

Proctor Reads Aloud **Scheduled Start Time** 01:00 AM EST

Form Group Type* Add **Lab Location**

Use Custom TestNav Settings

Precaching Computer* Add A pre-caching computer is required when there is one or more available.

Find by Name or ID Students

* Required **Create** **Reset**

d. When selecting the option to find groups, the screen changes as shown below:

Find by Group in TEST SCHOOL 1 (12340021) ▾

4TH GRADE ELA - TEST SCHOOL 1 (12340021)

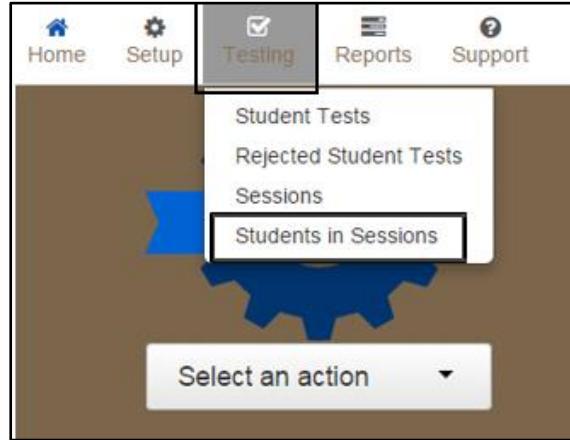
* Required

e. Click “Create.”

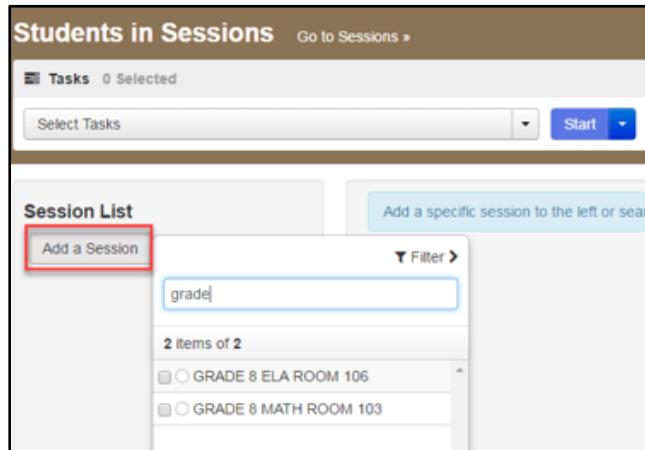
2. How to add additional sample student records to a PearsonAccess^{next} Session that has already been created (if necessary).

Follow the steps below to add student records to PearsonAccess^{next} Sessions, if the students were not included in the Session when it was created.

- a. Click “Testing,” and then select “Students in Sessions” from the dropdown menu.



- b. Select “Add a Session,” and search for the name of the Session to which you will add students.



- c. Select the checkbox next to the name of the Session, and then click “Add Selected.”

The screenshot shows the 'Students in Sessions' application. At the top, there's a navigation bar with 'Students in Sessions' and a 'Go to Sessions' link. Below it is a toolbar with a 'Tasks' dropdown set to '0 Selected' and a 'Start' button. The main area is titled 'Session List' and contains a search bar with 'grade' typed in. A message says '2 items of 2'. Two sessions are listed: 'GRADE 8 ELA ROOM 106' and 'GRADE 8 MATH ROOM 103'. To the left, there's a sidebar with 'Find Students' and 'Filters Organization' sections. At the bottom left of the session list, there's a red box around the 'Add Selected' button.

- d. Click on the “Tasks” menu, and select “Add Students to Sessions.” Then click “Start.”

The screenshot shows the 'Training PearsonAccessnext' application. The top navigation bar includes 'Home', 'Setup', 'Testing', 'Reports', and 'Support'. The main title is 'Students in Sessions' with a 'Go to Sessions' link. The 'Tasks' dropdown shows '1 Selected'. The dropdown menu lists several tasks under 'Students': 'Student Test Statuses', 'Mark Student Tests Complete', 'Resume Student Tests', 'Retake Student Tests', 'Students', and 'Add Students to Sessions'. The 'Add Students to Sessions' option has a red box around it, indicating it is selected. To the right, there's a message box with 'Add a specific session to the left or sea'.

- e. In the “Find Available Students” box, find students to add to the Session.

Search for students by last name or select the “Show all Results” checkbox to see all available students. To add students from a previously created group, select the blue dropdown and select the “by Group” option.

Training PearsonAccess^{next}

Massachusetts > 2016 - 2017 > Spring 2017 MCAS Gr. 3–8 PT SCHOOL (16451644)

Tasks for Students in Sessions

Add Students to Sessions

Add Students to Sessions

Session: GRADE 8 ELA ROOM 106 (Grade 8)

Last Name starts with:

Show all results

20 available student(s) found

<input type="checkbox"/>	Student	Organization
<input type="checkbox"/>	STUDENT, NEW (0733308597)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (2052153640)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (5088152827)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (3271400017)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (0132514055)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (8203217423)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (6917676851)	PT SCHOOL (16451644)
<input type="checkbox"/>	STUDENT, NEW (0434667509)	PT SCHOOL (16451644)

- f. Select the student(s) to be added and click the “Add” button.

VII. Preparing and Administering the Infrastructure Trial

Steps for the district test coordinator or principal/school test coordinator

1. Prepare each Session.

Sessions must be prepared by the principal or school test coordinator before they can be started. Preparing a test session assigns the test form for the students, so it is important to make sure PNP information has been updated so sample students can be assigned an accommodated form, as necessary. Preparing a test session may take a few minutes depending on the number of students in the session, preparing multiple sessions may take a longer time. It is recommended to prepare sessions the day before planned testing to ensure that all forms are assigned correctly.

- a. Go to the **Testing** tab and click **Students in Sessions**.
- b. Locate and click the session name from the **Session List**. The **Sessions Details** screen will appear for the session selected. If multiple sessions are selected, the option to **Combine View** and **Prepare all Sessions** appears.
- c. Click the blue **Prepare Session** or **Prepare All Sessions** button.

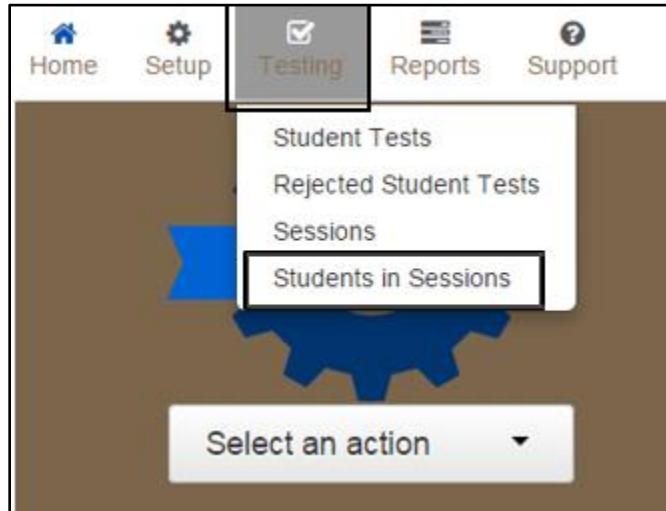
The screenshot shows the PearsonAccessnext interface. At the top, it says "Training PearsonAccess^{next}" and "Massachusetts > 2016 - 2017 > Spring 2017 MCAS Gr. 3–8". Below the header are navigation links: Home, Setup, Testing (which is selected), Reports, and Support. The main title is "Students in Sessions" with a link to "Go to Sessions ». The left sidebar shows a "Session List" with "GRADE 8 ELA ROOM 106" selected. The main content area is titled "GRADE 8 ELA ROOM 106" and includes "Resources", "Details", and "Edit" buttons. It shows a status of "Not Prepared". On the right, there are "Prepare Session" and "Refresh" buttons, with the "Prepare Session" button highlighted by a red box.

2. Print student testing tickets.

Student testing tickets include a login ID and password to log in to the practice tests, and are generated for each student added to a PAN session.

Note: Seal codes will not be used during the 2017–2018 administrations.

- Once logged in to the training site, click “Testing,” and then select “Students in Sessions” from the dropdown menu.



- Select “Add a Session,” and then search for the PearsonAccess^{next} Session.

The screenshot shows the 'Students in Sessions' application. At the top, there's a header bar with the title 'Students in Sessions' and a link 'Go to Sessions ». Below this is a toolbar with a 'Tasks 0 Selected' button, a 'Select Tasks' dropdown, and a 'Start' button. To the right of the toolbar is a search bar with the placeholder 'Add a specific session to the left or search'. The main area is titled 'Session List' and contains a button 'Add a Session' with a red box around it. Below this is a filter section with a dropdown menu set to 'grade'. Underneath is a list titled '2 items of 2' containing two entries: 'GRADE 8 ELA ROOM 106' and 'GRADE 8 MATH ROOM 103', each preceded by a checkbox.

- c. Select the checkbox next to the Session name, and click “Add Selected.”
- d. To print student testing tickets, click on the “Resources” dropdown. There will be options to print tickets for all students or selected students.

This screenshot continues from the previous one. It shows the same 'Students in Sessions' interface. On the left, the 'Session List' shows 'GRADE 8 ELA ROOM 106' selected with a radio button. On the right, a dropdown menu is open for 'GRADE 8 ELA ROOM 106', with the 'Resources' button highlighted by a red box. The dropdown menu includes options: 'Scheduled Sessions', 'STUDENT TESTING TICKETS' (which is currently selected and highlighted in blue), 'Print all for this session', and 'Print selected for this session'.

Additionally, the principal/school test coordinator or test administrators should verify with technology staff that

- all devices to be used for testing are charged.
- sufficient power cords and power strips are available.
- accessories, such as external keyboards for tables and headphones for students using the text-to-speech edition, are available and in working order prior to testing.

On the Day of the Trial:

3. Start the Session.

- a. Click **Testing**, and then select **Students in Sessions** from the dropdown menu. (See a screen shot on page 20.)
- b. In the **Session List**, click on the names of the Sessions to start. The **Session Details** screen will then appear for the selected Session(s). (If two or more Sessions were selected, options to **Combine View** and **Start All Sessions** will appear.)
- c. On the **Session Details** screen, click on the green **Start Session** (or **Start All Sessions** button). After clicking this button, it will change to a **Stop Session** button.



4. Prepare Testing Devices

Launch the TestNav app on all testing devices

5. Distribute student testing tickets

Ensure that test administrators have the student testing tickets for all students assigned to them.

6. Direct Test Administrators and students to testing locations

Direct test administrators and students to their assigned computer lab or other testing location.

7. Conduct the test session

Test administrators will unlock the sessions and have the students log into TestNav. This marks the beginning of the test session. **Refer to Section 8 of this for test administrator tasks during the infrastructure trial session.**

8. Oversee Test Administration

During each test session, principals or school test coordinators should be monitoring the administration to ensure that testing is being completed as expected.

9. Complete Testing

Students will complete two sessions for Mathematics, one for ELA and one for STE.

VIII. Administering the Infrastructure Trial

Steps for the Test Administrator to Administer a Practice Test Session as Part of the Infrastructure Trial

A. Materials Needed for Infrastructure Trial

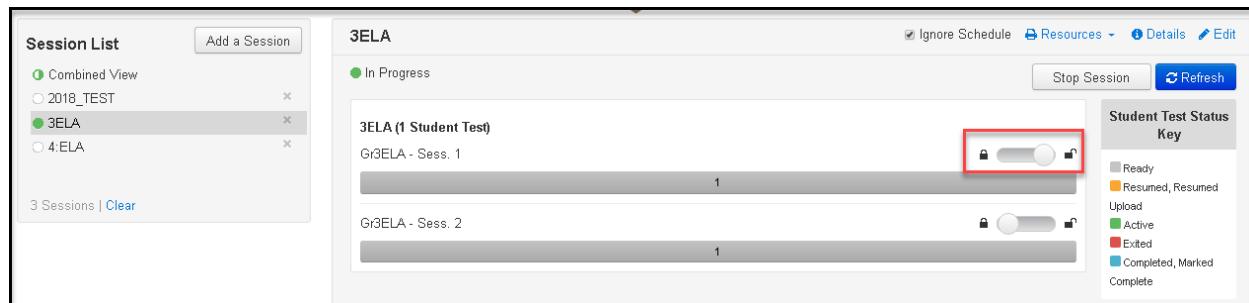
1. You will need the following materials available in your testing space prior to the Infrastructure Trial:

- testing devices for students
 - a computer with which to monitor testing sessions
- Prior to the Infrastructure Trial, you will receive the following materials for students assigned to you by the principal or school test coordinator:
 - student testing tickets
 - proctor testing tickets for Human Reader or Human Signer accommodations, if applicable
 - scratch paper
 - Additional Preparations for Computer-Based Testing
 - Ensure all devices to be used for testing are charged.
 - Make sure sufficient power cords and power strips are available.
 - Confirm that accessories, such as external keyboards for tables and headphones for students using the text-to-speech edition, are available and in working order prior to testing.

B. Before Students Arrive

- On the test administrator device, log into the PearsonAccess^{next} training site (<https://trng-mcas.pearsonaccessnext.com>) and view your PAN Session on the **Students in Sessions** page.
- Start your session.
- Unlock students' tests.

Students' tests will be locked, by default, in the **Students in Sessions** screen when a PearsonAccess^{next} Session is started. Students will not be able to log in until the first test session has been unlocked by the test administrator. The test administrator can unlock a test session for the entire class by selecting the unlock bar at the top of the **Students in Sessions** page.



Individual students can also be unlocked one at a time by selecting the lock dropdown for a test session found to the right of the student's name on the Students in Sessions page.

SID	Last Name	First Name	Middle Name	Username	Session	Gr3ELA - Sess. 1	Gr3ELA - Sess. 2	Form Group Type	Form
1058548512	GRADE SK	ELA ONLINE		053987295	ELA06 (Grade 6 ELA)	Exited	Ready	Standard	18EL06STONEND1
1058548513	GRADE SK	ELA ONLINE		5044781013	ELA06 (Grade 6 ELA)	Ready	Ready	Standard	18EL06STONEND1

C. Administer Infrastructure Trial (use of the script is optional)

The following script is provided in order to assist test administrators with the administration of the Infrastructure Trial practice test. Test administrators are not required to read the script verbatim.

- Say to students:

“Our school is about to begin a practice session for the computer-based MCAS test. This is an opportunity for you to practice MCAS questions in an environment similar to that of the real test. You should use this practice test to become more familiar with the computer-based testing system, and with MCAS questions. Your responses on this practice test will not affect your actual MCAS scores in any way.”

2. Then say to the students:
“I will now distribute scratch paper for you to use during the session. If at any point you need more, raise your hand and I will give you an additional sheet. You may have up to three pages of scratch paper at one time.”
3. For students using the text-to-speech or screen reader accommodation, which requires headphones, say:
“Put on your headphones and make sure they are plugged in. On your screen next to the ‘Sign In’ button, click the link that says ‘Test Audio.’ Ensure you can hear through your headphones and adjust the volume as needed.”
4. Then say:
“I will now distribute the student testing tickets. Do not sign in until I instruct you to do so.”
5. Distribute the student testing tickets. Testing Tickets may or may not have student names on them depending on how the tests were set up for Infrastructure Trial. Make sure you do not hand out proctor testing tickets since responses are not saved in a test accessed with a proctor testing ticket.
6. Say to students:
“Now, on the computer, enter the username that is shown on your student testing ticket. Your username is a number that is 10 digits long.”

Assist any student who needs help entering his or her username. Then say:

“Now, on the computer, enter the password that is shown on your student testing ticket.”

Assist any student who needs help entering his or her password.

Then say:

“Now, click the button that says ‘Sign In.’”

Walk around the room and make sure that all students have successfully signed in. Assist any students who did not successfully sign in. You may retype usernames and passwords for students, if necessary.

7. Once students are properly signed in, say:
“Your computer screen should now be at the ‘Available Tests’ screen.”
8. Say to the students:
“Please keep your testing ticket with you and do not use it for scratch paper. I will need to collect it at the end of this test session.”

Click the blue button on the screen that says ‘Start.’ You should now see a screen that says ‘Welcome.’

Click the box in the middle of the screen that says ‘Start.’ You should now see a screen that says ‘Session 1’ at the top and states the number of questions below. If your screen does not say ‘Session 1,’ please raise your hand.”

Assist any students who are not at the correct screen.

9. Then say to all students:

“Please read the directions that are on your screen.”

Pause to allow students to read the directions.

10. Then say to all students

“Click the ‘Start’ button. You may now begin your test.”

11. At the **end of the session**, say to any students still working:

“This is the end of the time scheduled for this session. At the top of the screen, click ‘Review’ and then click ‘End of Section.’ Click the ‘Submit Final Answers’ button to submit your answers. On the popup screen, confirm you’d like to ‘Submit Final Answers.’ When you’ve submitted your answers, exit the test by going to the User Dropdown Menu at the top, right hand corner of the screen and click ‘Sign out of TestNav.’”

IX. Monitoring the Infrastructure Trial

Steps for the Test Administrator to Monitor a Practice Test Session as Part of the Infrastructure Trial

How to monitor sessions

Once an online test session has started, there are several tasks the test administrator may be responsible for, including resuming students, locking/unlocking sessions and marking tests complete. The test administrator must have his or her own device to monitor the session and perform these actions.

The test administrator can use the **Students in Sessions** page to monitor students as they progress through each test session. The top of the Students in Sessions page contains a status bar for each test session. Underneath the status bar, each student will be listed, and the test administrator will be able to see the status of any particular student, as shown below.

The screenshot shows the TestNav software interface. On the left, a 'Session List' window shows a single session named 'GR3MATH'. In the center, the 'GR3MATH' session details page is displayed. It includes a 'Student Test Status Key' legend with color-coded categories: Ready (grey), Resumed, Resumed Upload (yellow), Active (green), Exited (red), Completed, Marked (blue), and Complete (light blue). Below the legend, a table lists student information and their session statuses. One row is highlighted with a red border. At the bottom of the page, there is a search bar and a 'Filters' section.

SASID	Last Name	First Name	Middle Name	Username	Session	Gr3Math - Sess. 1	Gr3Math - Sess. 2	Form Group Type	Form
1023849032	SEVEN	DEMO		2621113989	GR3MATH (Grade 3 Math)	Ready	Ready	Main	18MA03SPONEN01
1021309483	EIGHT	ANSWERMASKING		3654782252	GR3MATH (Grade 3 Math)	Ready	Ready	Main	18MA03SPONEN01
1045354535	TWO	CALCULATOR		4452917173	GR3MATH (Grade 3 Math)	Completed	Completed	Main	18MA03SPONEN01
1047328473	FOUR	DEMO		5833623519	GR3MATH (Grade 3 Calc)	Exited	Ready	Main	18MA03SPONEN01

Test administrator tasks in PAN

The following table lists the statuses that may appear for a student in the **Session Details** and a description of what each status indicates.

Student Status Key

Status	Description
Ready	The student has not logged in to the session yet, but is ready to log in.
Active	The student is currently in the test.
Exited	The student has exited the session, but has not submitted his or her responses yet. Students in Exited status will need to be resumed by a test administrator to re-enter the test.
Completed	The student has completed the test and has successfully submitted his or her responses.
Marked Complete	The student's test has been marked complete by the test administrator rather than being submitted through TestNav.
Resumed	The student is ready to log back in to the session.
Resumed-Upload	The student is ready to log back in to the session and some responses may not have been sent to Pearson servers before exiting. When the student logs on to a test with a Resumed-Upload status, a staff member must be present. TestNav will prompt the user to locate the saved responses from the designated save location and uploaded them to TestNav before resuming the test. This insures no student responses are lost if the testing device was unable to connect to Pearson servers.

How to Resume Students' Tests

If students exit the test for a break, or due to technical error, they will need to be resumed prior to reentering the test. Students can be resumed one at a time, or many at a time.

To resume one student at a time, go to **Testing > Students in Sessions** and select **Resume** from the dropdown next to the student's name.

The screenshot shows the 'Students in Sessions' page for the 'GR3MATH' test. At the top, there are buttons for 'Ignore Schedule', 'Resources', 'Details', and 'Edit'. Below this, a 'Student Test Status Key' is displayed with color-coded categories: Ready (grey), Resumed, Resumed (orange), Upload (yellow), Active (green), Exited (red), Completed, Marked (blue), and Complete (dark blue). The main area shows a table with 9 results, displaying columns for SASID, Last Name, First Name, Middle Name, Username, Session, Gr3Math - Sess. 1, Gr3Math - Sess. 2, Form Group Type, and Form. The second row, for student 1021309483 (EIGHT), has a dropdown menu open next to 'Resumed' in the 'Session' column. The menu options are 'Resume' (highlighted with a red border) and 'Lock'.

SASID	Last Name	First Name	Middle Name	Username	Session	Gr3Math - Sess. 1	Gr3Math - Sess. 2	Form Group Type	Form
1023849032	SEVEN	DEMO		2621113989	GR3MATH (Grade 3 Math)	Exited	Ready	Main	18MA03SPONEN01
1021309483	EIGHT	ANSWERMASKING		3654782252	GR3MATH (Grade 3 Math)	Resumed	Ready	Main	18MA03SPONEN01
1045354535	TWO	CALCULATOR		4452917173	GR3MATH (Grade 3 Math)	Completed	Completed	Main	18MA03SPONEN01

To resume more than one student's test, go to **Testing > Students in Sessions**. Be sure the PAN Session is selected in the **Session List**. Check the box next to the student names whose tests are to be resumed, and select **Resume Student Tests** from the **Select Tasks** menu. Click **Start**.

The screenshot shows the 'Select Tasks' dropdown menu. The 'Resume Student Tests' option is checked and highlighted with a blue border. Other options available are 'Student Test Statuses', 'Mark Student Tests Complete', 'Undo Student Test Submissions', and 'GRADE 4 ELA DEMO'.

Select the students whose tests you would like to resume, and click **Resume**.

The screenshot shows the 'Resume Student Tests' screen. At the top, there are navigation links: 'Add Task', 'Previous Task', 'Next Task', and 'Exit Tasks'. Below this, a table lists 'STUDENTS IN SESSIONS (2)'. Each student record includes a 'SESSION (STUDENT TEST)' dropdown, a 'DETAILS' section with status checkboxes ('Exited', 'Completed', 'Ready'), and a note that 'This action is not reversible.' A note at the bottom left says '* Required'. At the bottom right are 'Resume' and 'Reset' buttons.

After clicking **Resume**, a message will display **Success, changes saved**. Click **Exit Tasks** to return to the **Students in Session** screen. The resumed student(s) will now be able to reenter the test.

How to stop a PAN Session

Before a session can be stopped, all students in the PAN Session must be either in Completed or Marked Complete status. You may also need to remove any Ready students from the session who received testing tickets but did not log into the test.

To remove “Ready” students from a test session:

- Go to **Students in Sessions** and check the box next to the student record(s) to be removed.
- Select **Remove Students from Sessions** from the **Select Tasks** dropdown and click **Start**.

The screenshot shows the 'Students in Sessions' screen. The 'Select Tasks' dropdown is open, showing various options like 'Student Test Statuses', 'Mark Student Tests Complete', 'Resume Student Tests', etc., with 'Remove Students from Sessions' checked. To the right, a list of sessions is shown, including 'GRADE 4 ELA DEMO' with a status of 'Grade 4 ELA/Literacy' and 'Gr4ELA -Unit 1'.

Check the box besides the student record(s) and click **Remove**. Click **Exit Tasks** to return to the **Students in Session** screen.

Remove Students from Sessions

1 Remove Students from Sessions +

STUDENT NAME (CODE)
 STUDENT, NEW (203418834777425290482508129103) i

* Required

Remove Reset

To mark a student's test complete for a student who logged on, but did not complete the test:
Go to the **Student in Sessions** page and check the box next to the student record(s) that need to be marked complete.

Select **Mark Student Tests Complete** from the **Select Tasks** dropdown. Click **Start**.

Students in Sessions

Go to Sessions »

Tasks 1 Selected

Select Tasks ▼ Start ▼

Student Test Statuses
 Mark Student Tests Complete
 Resume Student Tests
 Undo Student Test Submissions

● GRADE 4 ELA DEMO i / □

Enter the reason for marking the test complete. Click the **Mark Complete** button.

PearsonAccess^{next}

Massachusetts > 2016 - 2017 > Spring 2017 MCAS Gr. 3-8 Massachusetts (MA)

Tasks for Students in Sessions

Add Task Previous Task Next Task Exit Tasks

Mark Student Tests Complete Resume Student Tests

Mark Student Tests Complete

Reason*
Student transferred to another school

Use the same Reason for checked Students in Sessions

STUDENTS IN SESSIONS (1)	DETAILS	STUDENT TEST STATUS
<input type="checkbox"/> STUDENT, ASTUDENT (8943849203)	SMITH GR 7 MATH - RM 101 (Grade 7 Math)	Exited

This action is not reversible.

* Required

Mark Complete Reset

Once all students in a Ready or Exited status have been removed, or are in a Completed or Marked Complete status, select the **Stop Session** button on the **Students in Sessions** page.

Training PearsonAccess^{next}

Massachusetts > 2017 - 2018 > Spring 2018 MCAS Gr. 3-8 - KENNY SCHOOL (95136788)

Home Setup Testing Reports Test Config Support

Students in Sessions Go to Sessions >

Tasks 0 Selected Students in Sessions 2 Selected Clear

Select Tasks Start Manage

Session List Add a Session

ELA04 In Progress Stop Session Refresh

ELA04 (2 Student Tests) Gr4ELA - Sess. 1 Gr4ELA - Sess. 2

Student Test Status Key

- Ready
- Resumed, Resumed Upload
- Active
- Exited
- Completed, Marked Complete

X. Follow-up

Steps for the district test coordinator, principal/school test coordinator, test administrators, and the technology coordinator

Once the school's Infrastructure Trial has been completed, staff participating in it should review their notes. Follow-up steps include the following:

- Share any notes regarding the need for support with the principal or test coordinator.
- Report to the principal or test coordinator any issues that could not be resolved with assistance from the MCAS Service Center.

Appendix A: Terms Related to Computer-Based Testing

PearsonAccess^{next} (PAN): The online test management system for principals/test coordinators, technology coordinators, and test administrators to manage user accounts, register students and upload selected accessibility features and accommodations via the Student Registration/Personal Needs Profile (SR/PNP), assign student tests, and set up Sessions. The PAN operational site is available at mcas.pearsonaccessnext.com/.

PearsonAccess^{next} Training site: The online practice site to run the Infrastructure Trial. Usernames and passwords for the training site will match those for the live site. The training site is available at trng-mcas.pearsonaccessnext.com/.

PearsonAccess^{next} Session: An assigned group of students in PearsonAccess^{next} who will be testing at the same time and place. (This is different from the actual “test session.”)

ProctorCache: This software will be available to all schools as part of the TestNav delivery platform. Precaching is the process of loading (i.e., “caching”) test content locally to a desktop computer at a school that will be designated as the precaching computer. Precaching reduces test delays from network congestion and provides students with a more seamless testing experience in the event of disruptions to Internet connectivity. The Department strongly recommends that schools use ProctorCache. Minimum requirements and a link to download ProctorCache can be found at mcas.pearsonsupport.com/technology-setup/.

TestNav: This is the online test delivery platform for students. Technology requirements and set-up instructions can be found at mcas.pearsonsupport.com/technology-setup/.