System Check User Guide for TestNav 8

1.0 Document Revisions

Date	Change
September 13, 2013	• Initial release of document.

2.0 System Check

System Check for TestNav is designed to help district and local technology personnel to better assess the overall readiness for online testing. High-stakes assessments that are delivered online can present networks with an uncommon use case as students begin testing at the same time. In districts with multiple campuses, schools, and buildings, hundreds or thousands of devices need to access data streams within minutes of each other.

System Check for TestNav addresses two primary components of technology readiness:

Component	Tab in System	Description
Client-side readiness	Check Your System	Includes tools to verify that all components meet the requirements for running TestNav.
Network readiness	Testing Capacity	Includes tools to help you prepare for the volume of data traffic during testing. This can help you prevent data congestion within your network infrastructure. For most effective use, district and school staff should employ this tab to ensure that any significant discrepancies between current throughput and expected throughput speeds can be accounted for by known or planned differences in network activity on the date of testing.

System Check for TestNav works on Windows, Macintosh, and Linux platforms.

2.1 About This Document

This document provides a combination of real world testing configurations and can also be used for capacity planning. The audience is primarily network or IT personnel who are responsible for setting up and configuring a school's test delivery environment prior to online testing.

2.2 Getting Help

For assistance, contact the Pearson Support Center.

2.3 To Select a Customer

1. Select a customer from the drop-down.
2. Click **Start**.

3.0 Check Your System

The device needs to meet the minimum software requirements to deliver tests online. The TestNav hardware and software requirements are located on the following page: http://www.pearsononlinetesting.com/TestNav/8/index.html

3.1 To Check Your System

1. Select the **Check Your System** tab.
2. Click **Start** to begin the check.

   - If the system passes the check, a green check mark displays at the top with the message **All Checks Passed**.

   - If the system fails the check, a red X displays next to the area that failed.

3. To print the results in PDF, click **Print Friendly**.

4.0 Check Your Testing Capacity

Prior to online testing, use the **Testing Capacity** tab to assess and manage testing capacity. This performs a real-time speed check, measuring how many testing computers your proctor caching machine can handle. If proctor caching is used, connectivity from the server to the proctor caching computer is tested.

You can add multiple proctor caching computers or delete a proctor caching computer that is not being used, you are provided a data throughput check that gives an assessment of the data transfer speeds – as well as an estimated number of concurrent testers that could be supported – at the time the throughput check is performed. However, this result may not accurately represent the actual transfer speeds during student testing, especially if network conditions will be significantly different. The proctor caching computer must be installed and running before you can check the connection speed.

When you have multiple proctor caching computers configured for use, the results are not combined. The tool assumes that all of the proctor caching machines will use the same Internet connection.

4.1 To Check Testing Capacity

1. Select the **Testing Capacity** tab.
2. Select the test size from the drop-down.
3. Click **Start** to view the results of the test.

Volume Estimates section	
Number of students testing concurrently	Increase or decrease the number of students testing concurrently to check performance using more or fewer students.
Results section	
Pearson-Calculated	Results are based on data obtained on this tab.
Planned	Results are based on data obtained on this tab.
Icons	One of the following icons will display depending on your status:
	Indicates students should experience normal performance during testing.
	Indicates students may experience slow or poor performance during testing.

4. You can add, change, or delete proctor caching computers. In order to recalculate the results, click **Start**.

5. To print the results in PDF, click **Print Friendly**.

4.1.1   To Add a Proctor Caching Computer

1. Select the **Testing Capacity** tab.
2. Click **+ Add Caching Computer**, enter the details, and then click **Save**.

   - Display Name – appears as the computer name in the Server/Computer column

   - Host – the IP address of the proctor caching machine

   - Port - the port on which the caching computer is running

4.1.2   To Edit a Proctor Caching Computer

1. Select the **Testing Capacity** tab.
2. Click the computer name.
3. Edit the host name or port, and then click **Save**.

4.1.3   To Delete a Proctor Caching Computer

1. Select the **Testing Capacity** tab.
2. Select the computer you want to delete.
3. Click **– Delete Caching Computer**, and then click **Continue**.