



SUPPORTING SCHOOLS AND STUDENTS TO ACHIEVE

Test Readiness & Technology Requirements

Presenter: AIR

January 29, 2016

Support Materials idaho.portal.airast.org

The screenshot shows the Idaho AIR portal website. At the top, there is a navigation bar with links for Home, Users, Resources, FAQs, Supported Browsers, Register for email alerts, and Manage Account. Below this is the Idaho State Department of Education logo and a banner image of a mountain range. The main content area is divided into three columns. The left column contains a vertical sidebar with four categories: Students & Families, Teachers & Test Administrators, Test Coordinators, and Technology Coordinators. A red arrow points from the left towards this sidebar. The middle column features a 'Recent Announcements' section with a microphone icon, followed by a list of five announcements regarding the 2015-2016 Paper-Pencil ELA and Math Test Administration Manual (TAM), the Online Reporting System (ORS) downtime, the Spring 2016 Summative Accommodated Paper Test Book Order form, iOS security updates, and the Idaho Assessment System Help Desk closure. Below the announcements is a 'Top FAQs' section with links for 'What is TIDE?' and 'What is TDS?'. The right column contains a 'Welcome!' message, a 'Teacher Scoring Application' section with a paragraph of text, and a vertical stack of five green buttons: 'Secure Browsers', 'Practice & Training Tests', 'Important Dates', 'Contact Us', and 'Idaho Statewide Assessment Group on Edmodo'. A red arrow points from the right towards the 'Secure Browsers' button.

Home Users Resources FAQs Supported Browsers Register for email alerts | Manage Account

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STATE DEPARTMENT OF EDUCATION

Students & Families

Teachers & Test Administrators

Test Coordinators

Technology Coordinators

Recent Announcements

- The 2015–2016 Paper–Pencil ELA and Math Test Administration Manual (TAM) is now available on the Teachers & Test Administrators and Test Coordinators Resources pages under the Summative folder.
Added January 19, 2016
- The Online Reporting System (ORS) will be down starting Friday, January 15th at 7 a.m. Mountain Time and will be back online on Tuesday, January 19 at 7 a.m. Mountain Time. AIR will be deploying the new Interim Item–Level Reports as well as the Test Status Code Report feature during this time.
Added January 14, 2016
- The Spring 2016 Summative Accommodated Paper Test Book Order form is now available in the Teachers & Test Administrators and Test Coordinators Resources section under the Summative folder. This form should be completed for students that require Large Print or Braille paper testing only.
Added January 5, 2016
- AIR has blocked iOS 9.0 and 9.1 for security concerns. Any iOS users will need to upgrade to version 9.2 for testing.
Added December 28, 2015
- The Idaho Assessment System Help Desk will be closed on December 31st and January 1st.
Added December 28, 2015
- Please [click here](#) to view all announcements

Top FAQs

- What is TIDE?
- What is TDS?

Welcome!

This site demonstrates the features that are available on the portals created by AIR to access the assessment systems.

Teacher Scoring Application

Teachers may now apply to assist with scoring Summative Assessments. Teachers who have had experience hand scoring interim assessment items should indicate this on their application. To access the application please visit [Measurement Incorporated Scoring Application](#) and select the Teachers Only – Work from Home category.

Secure Browsers

Practice & Training Tests

Important Dates

Contact Us

Idaho Statewide Assessment Group on Edmodo



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Home Users ▾ Resources ▾ FAQs Supported Browsers Register for email alerts | Manage Account

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Welcome, Technology Coordinators!

Technology Coordinator Resources

Secure Browsers

Technology Coordinators – AIR Online Systems – User Guides

Resource	Description
AIR's Support Policy for Upcoming Operating Systems and Browsers [PPTX]	This presentation is designed to provide information regarding AIR's Support Policy for upcoming operating systems and browsers.
Online System Requirements [PDF] Updated November 17, 2015	This document contains basic technology requirements for online testing using American Institutes for Research's (AIR) systems for the 2015–16 test administration.
Operating Systems Support Plan for the Test Delivery System 2015–2016 [PDF] Updated October 7, 2015	This document describes AIR's plan for supporting operating systems during the upcoming 2015–2016 test administration and following years. This plan helps districts and schools manage operating system deployments based on the support timelines.
Secure Browser Installation Manual [PDF] Updated October 7, 2015	This manual provides instructions for installing the secure browsers on computers and devices used for online assessments.
Technical Specifications Manual [PDF] Updated October 7, 2015	This manual provides information about network and internet requirements, general hardware and software requirements, and text-to-speech information—all of which is required for running various testing applications provided by American Institutes for Research (AIR).



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Technology Requirements

- **Site Readiness**
- **Network Requirements**
- **Hardware and Software Requirements**
- **Network Diagnostics and Configuration**
- **Secure Browser Installation**



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Technology Coordinator Tasks

- **Log-ins and passwords**
- **Minimum system requirements**
- **Secure browser**
- **Determining system readiness/network capacity**



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Network Requirements

- **Network Connection**

- A stable, high-speed (wired or wireless) network and internet connection are required for the test.
- The response time for each test depends on your network's bandwidth, number of students simultaneously testing, size of test content, proxy server (if used), and other factors.



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Network Requirements

- **Network Configuration**

- Session timeouts on proxy servers and other devices should be set to values greater than the average scheduled testing time. For example, if test sessions are scheduled for 60 minutes, consider session timeouts of 65–70 minutes.
- Web proxy servers must be configured to NOT cache data received from servers.
- For any device that performs traffic shaping, packet prioritization, or quality of service, the IP addresses to be used for testing should be given a high priority to ensure the best performance.



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Network Requirements

- **Whitelisting**
 - Content filters, firewalls, and proxy servers should be configured to allow the URLs for the AIR servers.



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Test Administrator Devices: Pop-ups

- **Many AIR sites use pop-ups to provide additional information.**
- **Devices used by Test Administrators should have their Internet browsers configured to allow pop-ups from your testing websites.**



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Network Requirements

- **Performance Factors**
 - Bandwidth
 - Number of students simultaneously testing
 - Wireless networking configuration
 - Secure browser



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Network Performance

- **Bandwidth**

- At least 20 Kbps bandwidth per student being tested
- Affected by both Local Area Network (LAN) traffic and internet traffic from the router
- LAN should always be analyzed to determine potential traffic bottlenecks



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Network Diagnostics

- **Number of Students Simultaneously Testing**
 - Network performance may slow when large numbers of students are testing at one time.
 - Perform network analyses at different times to ensure adequate capacity.
 - Multiply the number of students being tested by 20 Kbps to get an estimate of bandwidth needed, and compare that estimate with a network speed test.



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Diagnostic Screen

This page allows you to check the **current** bandwidth of your network. Select a test from the drop-down list and enter the maximum number of students likely to test at one time, then click [Run Network Diagnostics Tests].

Your Operating System: **Windows 7**

Your Browser Version: **Firefox v32**

Secure Browser: **false**

Network Diagnostics:

Select Test:

Enter the total number of students you would like to test at one time:

[Run Network Diagnostics Tests](#)

[Return to Login](#)

[TTS Check](#)



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Network Performance

- **Wireless Network Configuration Best Practices**
 - Wireless traffic must use encryption.
 - Wi-Fi Protected Access II (WPA2)
 - Advanced Encryption Standard (AES)
 - Wireless access points have limits on total bandwidth and number of simultaneous devices in use.



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Supported Computers

Computers		
Operating System	Minimum Requirements for Current Computers	Recommended Minimum Requirements for New Purchases
Windows XP (Service Pack 3), Vista, 7, 8.0, 8.1, 10 Server 2003, 2008, 2012	Pentium 4 or newer processor that supports SSE2 512 MB of RAM 200 MB of hard drive space	Pentium 4 or newer processor that supports SSE2 2 GB+ RAM 80 GB+ hard drive supports SSE2
Mac OS X 10.5–10.11	Intel x86 or PowerPC G4 or G5 processor 512 MB RAM 200 MB free hard drive space Minimum screen resolution 1024x768	Pentium 4 or newer processor 2+ GB RAM 80+ GB hard drive
Linux Fedora 19–22 openSUSE 13.1 Red Hat Enterprise Linux 6.5 Ubuntu (LTS) 12.04, 14.04	Intel x86 processor 512 MB of RAM 200 MB hard drive space	Pentium 4 or newer processor 2 GB RAM 80 GB hard drive



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Supported Mobile Devices

Mobile Devices			
Operating System	Supported Tablets	Browsers for TA Sites	Browsers for Student Sites
Android 4.3–5.1	Google Nexus 10 Motorola Xoom Samsung Galaxy Note (2014 edition) Samsung Galaxy Tab 3 and 4 LeapPad Quarto	Native browser Google Chrome	Android Secure Browser (AIR Mobile secure browser)
Chrome 41–46	Chromebook	Google Chrome	Google Chrome
iOS 7.0–7.1, 8.0–8.2, 9.2	iPad 2 iPad 3 Fourth-generation (Retina Display) iPad Air iPad Air 2	Safari	iPad secure browser
Windows 8.0, 8.1, 10	AIR supports any tablet running Windows 8.0 and 8.1 Pro, and 10 but has done extensive testing only on Surface Pro, Asus Transformer, and Dell Venue.		

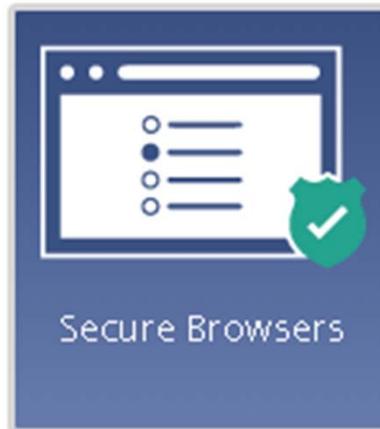


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Secure Browser

- **The secure browser is designed to ensure test security by prohibiting students from accessing any other programs or websites during testing.**



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Secure Browser Installation

- **Installation:**
 - The secure browser can be downloaded individually from the portal or pushed out via your existing software tools.
 - See the *Secure Browser Installation Manual* for additional details.



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Secure Browser

Computer/Device	Secure Browser Location
Windows, Mac, and Linux computers	ISAT Portal http://idaho.portal.airast.org/browsers
Android tablets	Play Store
iPad tablets	App Store
Google Chromebooks	Web Store



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Slide 19

DC2

Unless additional field tests have been done in Idaho, we can probably delete that reference.

Cassiday, Daniel, 1/12/2016

Secure Browser

The screenshot shows the Idaho Department of Education website. The navigation bar includes 'Home', 'Users', 'Resources', 'FAQs', and 'Supported Browsers'. The main content area is divided into several sections:

- Students & Families**
- Teachers & Test Administrators**
- Test Coordinators**
- Technology Coordinators**

The **Recent Announcements** section contains several items:

- NEW!** The Spring 2016 Summative Accommodated Paper Test Book Order form is now available in the Teachers & Test Administrators and Test Coordinators Resources section under the Summative folder. This form should be completed for students that require Large Print or Braille paper testing only. *Added January 5, 2016*
- AIR has blocked iOS 9.0 and 9.1 for security concerns. Any iOS users will need to upgrade to version 9.2 for testing. *Added December 28, 2015*
- The Idaho Assessment System Help Desk will be closed on December 31st and January 1st. *Added December 28, 2015*
- The Interim Assessment Test Administration Guide is now available in the Resources section under the Interim Assessments folder. This guide provides an overview of how to prepare for and administer the ISAT by Smarter Interim Assessments. *Added December 14, 2015*
- Large Print and Braille paper test materials for the Summative Assessments can be ordered starting on Monday, January 4. Please contact the Help Desk to place orders for students whose IEP or 504 plan require this accommodation. The Paper/Pencil Test Window for the 2015-2016 school year will open from April 18 - May 13. To receive test materials by the opening of the test window all orders must be placed by Friday, March 18. The last day to place a paper/pencil test order will be scheduled no later than Friday, April 15. *Added December 11, 2015*
- Please [click here](#) to view all announcements

The **Welcome!** section states: "This site demonstrates the features that are available on the portals created by AIR to access the assessment systems."

The **Teacher Scoring Application** section states: "Teachers may now apply to assist with scoring Summative Assessments. Teachers who have had experience hand scoring interim assessment items should indicate this on their application. To access the application please visit [Measurement Incorporated Scoring Application](#) and select the Teachers Only - Work from Home category."

The **Secure Browsers** button is highlighted with a red box and a red arrow. Other buttons include Practice & Training Tests, Important Dates, and Contact Us.



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Secure Browser



Important Information



Windows

XP (Service Pack 3),
Vista, 7, 8.0, 8.1, 10;
Server 2003, 2008, 2012



Mac OS X

10.6-10.11



Linux

Fedora 19-22
openSUSE 13.1
Red Hat Enterprise 6.5
Ubuntu (LTS) 12, 14



iOS

7.0-7.1, 8.0-8.2, 9.2



Android

4.3, 4.4, 5.0, 5.1



Chrome OS

41-46

Technical Resources

- For information about technical specifications, including supported operating systems, network and Internet requirements and recommendations, general hardware and software requirements, and text-to-speech, refer to the *Technical Specifications Manual for Online Testing*.
- For detailed information about installing secure browsers, refer to the *Secure Browser Installation Manual*.
- For information about Braille requirements and testing, refer to the *Braille Requirements and Testing Manual*.

About Supported Operating Systems

The operating system versions listed in the above table are the only ones officially supported.

Warning: Support for New Desktop Operating Systems

Desktop operating systems, in particular new versions of those operating systems, not in the above table are not supported. Do not upgrade to new operating systems on computers used to administer online assessments.

Warning: Support for Updated Mobile Operating Systems

Turn off or delay automatic updates of operating systems for mobile devices. AIR reviews these updates to verify they do not pose a risk to student testing, and will post announcements on this portal accordingly.



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Secure Browser: Automatic Update

- **Districts may be able to choose to install the desktop version of the secure browser with an auto-update option.**
 1. Leave your computers turned on and at the secure browser login and AIR will conduct the updates when the computers are idle.
 2. An installation message on the screen will appear with the option to cancel. If not cancelled, we will download.
 3. A secure browser restart message on the screen will appear. If not cancelled, the browser will restart and install the latest version.
- **Note: This feature is optional and may not be offered/supported by your district or state online assessments.**



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Text-to-Speech

- **Voice technology must be available and functioning for students who require this accommodation.**
- **For Windows and Mac operating systems, default voice packs are generally pre-installed.**
 - Julie voice packs available to install from the TIDE interface.
- **Linux users may need to install a Text-to-Speech package if one was not installed with the operating system.**



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Reminder

- **Districts are required to populate TIDE with students for testing**
 - Most accurate data comes from district SIS, not ISEE
 - Districts have greater ownership of their data
 - Information on importing students into TIDE is covered in TIDE presentation and training materials
 - District SIS populates ISEE, TIDE, and eDirect



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Additional Resources

- **Idaho Portal:** <http://idaho.portal.airast.org>
 - Important Dates
 - User Guides and Manuals
 - *Online System Requirements Manual*
 - *Secure Browser Installation Manual*
 - *Technical Specifications Manual*
- **ISAT Help Desk**
 - Email: IDHelpDesk@air.org
 - Phone: 1-844-560-7365



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Questions?

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Contacts

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