



## Supported System Requirements for ACCESS for ELLs 2.0

### Effective Winter 2016

This document describes the proposed system requirements for the DRC INSIGHT Online Testing System and the Testing Site Manager (TSM) for the ACCESS for ELLs 2.0 Winter 2016 testing cycle.

These requirements cover the following items:

- Operating systems and levels
- Hardware devices
- Screen size and resolution
- Processor, disk space, and memory

DRC must aggressively embrace new technology to offer the best testing solutions to our customers while keeping pace with constantly changing and evolving technology standards. In general, DRC software applications support new versions of an operating system within three months of public availability of the new version, or by the next release date of the DRC application, whichever duration is greater.

Updated: January 21, 2016

## DRC INSIGHT System Requirements for ACCESS for ELLs 2.0

Supported Operating Systems	Hardware Devices	Screen Size	Processor	Disk Space	Memory	Resolution
<b><u>Windows</u></b> Windows 7 Windows 8 Windows 8.1 Windows 10 Windows Server 2008 Windows Server 2012	Non-touch-screen devices plus the following touch-screen devices:  Lenovo Yoga – Netbook/Tablet Dell Latitude – Laptop Microsoft Surface Pro – Tablet	Non-touch-screen devices  <b><u>Minimum</u></b> 9.5”  <b><u>Recommended</u></b> 13” or larger	<b><u>Minimum*</u></b> 1 GHz  <b><u>Recommended</u></b> 1 GHz or faster	<b><u>Minimum</u></b> 1 GB  <b><u>Recommended</u></b> 1 GB or more	<b><u>Minimum</u></b> 1 GB RAM  <b><u>Recommended</u></b> 1 GB RAM or more	<b><u>Minimum</u></b> 1024 x 768  <b><u>Recommended</u></b> 1024 x 768 or higher
<b><u>Mac (OS X)</u></b> 10.7, 10.8, 10.9, 10.10, 10.11  <b>Note:</b> Mac Server software is not supported	Non-touch-screen devices	Touch-screen devices  <b><u>Minimum</u></b> 10”				
<b><u>Linux</u></b> Ubuntu 12.04 and 14.04, LTS version, with 32- and 64-bit Gnome 3.4, Unity Shell  <b>Note:</b> Ubuntu Server software is not supported	Non-touch-screen devices					
<b><u>Chrome OS</u></b> Chrome OS recent stable channel	Non-touch-screen devices plus the following touch-screen devices:  Acer C720P Lenovo N20P Dell Chromebook 11 HP Chromebook 14 G3					
<b><u>Apple iOS</u></b> iOS 8.1.3, 8.2, 8.3, 8.4 9.0, 9.1, 9.2	iPad 2 or newer iPad Air devices iPad mini devices are not supported	9.7”	NA	NA	NA	
<b><u>Android</u></b> Lollipop 5.0 or higher	ASUS Transformer Pad TF103CE (also known as the K010E) Dell Venue 10, model 5050	<b><u>Minimum</u></b> 10”	NA	NA	NA	

*\*Throughout this document, the minimum level of requirements represents a low compliance threshold. Districts should attempt to exceed the minimum level of requirements for an optimal student testing experience. DRC advises using the recommended level.*

## DRC INSIGHT System Requirements for ACCESS for ELLs 2.0

### Additional Specifications

#### Accessories

- Mouse
- English language keyboard (internal and external, wired and wireless)
- Touchpad
- Stylus for touch devices

The input device must allow students to select and deselect; drag items; highlight text, objects, and areas; enter letters, numbers, and symbols; use the Shift, Tab, Return, Delete, and Backspace keys.

#### Headsets

- Headset with microphone (see the link below)
- [Recommendations for Headset Specifications](#)

#### Internet Connectivity

##### **Minimum**

Devices must be able to connect to the Internet using wired or wireless networks

##### **Recommended**

Devices connected via wired network

#### Power Supply

##### **Minimum**

For battery devices, a fully charged battery with a two-hour life

##### **Recommended**

Device connected to a plugged-in power supply

#### Other

Smart Board interfaces are not supported

## DRC TSM System Requirements for ACCESS for ELLs 2.0

Supported Operating Systems	Screen Size/ Resolution	Disk Space	Internet Connectivity	Hardware Devices	Processor and Memory by Test and Number of Concurrent Testers
<p><b>Windows</b> Windows 7 Windows 8 Windows 8.1 Windows 10 Windows Server 2008 Windows Server 2012</p>	<p><b>Minimum</b> 9.5"</p> <p><b>Recommended</b> 13" or larger</p>	<p><b>Minimum</b> 20 GB</p> <p><b>Recommended</b> 20 GB or more</p> <p><b>Note:</b> The disk space requirement increases for the TSM because of the size of the ACCESS for ELLs 2.0 Voice Capture Response (VCR) audio testing files.</p>	<p><b>Minimum</b> Devices must be able to connect to the Internet using wired or wireless networks.</p> <p><b>Recommended</b> Devices connected via wired network</p> <p>100 Mbps WAN or LAN data speed</p> <p><b>Note:</b> The network requirements do not apply when the TSM software and the DRC INSIGHT software are installed on a single testing device to test one student at a time (only one student tests concurrently).</p>	<p>Desktop and laptop devices</p> <p>The TSM should not be installed on mobile or touch-screen devices.</p> <p><b>Minimum</b> Device connected to a plugged-in power supply</p> <p><b>Recommended</b> The TSM software is installed on a dedicated device for testing more than one student concurrently.</p> <p><b>Note:</b> The TSM software and the DRC INSIGHT software may be installed on a single testing device to test one student at a time (only one student tests concurrently).</p>	<p><b>Non-Speaking Tests: Listening, Reading, Writing</b></p> <p><b>Up to 25 Concurrent Testers</b></p> <ul style="list-style-type: none"> <li>• 2 GB of RAM</li> <li>• 2 x 2.4 GHz processors</li> </ul> <p><b>26 to 150 Concurrent Testers</b></p> <ul style="list-style-type: none"> <li>• 4 GB of RAM</li> <li>• 2 x 2.4 GHz processors</li> </ul> <p><b>Speaking Test</b></p> <p>The audio recordings for test items in the Speaking test require additional and more reliable network and device bandwidth than the other tests. To reduce the impact on Internet connectivity, the TSM must perform additional tasks such as compressing the student's audio response before sending the response to DRC. Because of these factors, a TSM for the Speaking test requires additional memory and CPU, and supports fewer concurrent testers, as shown below.</p> <p><b>Up to 5 Concurrent Testers</b></p> <ul style="list-style-type: none"> <li>• 2 GB of RAM</li> <li>• 2 x 2.4 GHz processors</li> </ul> <p><b>6 to 25 Concurrent Testers</b></p> <ul style="list-style-type: none"> <li>• 4 GB of RAM</li> <li>• 4 x 2.4 GHz processors</li> </ul>
<p><b>Mac (OS X)</b> 10.7, 10.8, 10.9, 10.10, 10.11</p> <p><b>Note:</b> Mac Server software is not supported</p>	<p><b>Minimum</b> 1024 x 768</p> <p><b>Recommended</b> 1024 x 768 or higher</p>				
<p><b>Linux</b> Ubuntu 12.04 and Ubuntu 14.04, LTS version, with 32- and 64-bit Gnome 3.4, Unity Shell</p> <p><b>Note:</b> Ubuntu Server software is not supported</p>					
<b>Other</b>					
A TSM is required for ACCESS for ELLs 2.0 testing.					