



Technical Specifications for COMPASS/ESL Internet Version

May 14, 2004

Hardware requirements for Testing Computer Workstations:

- 350 MHz Pentium II (500 MHz Pentium II or faster is recommended.)
- Minimum Memory Requirements:
 - 64 MB RAM for Windows 98 SE
 - 128 MB RAM for Windows ME, Windows NT, Windows 2000, and Windows XP Professional
 - 300 MB of free hard disk space
- Recommended Memory Requirements:
 - 128 MB RAM or more for Windows 98 SE
 - 256 MB RAM or more for Windows ME, Windows NT, Windows 2000 and Windows XP Professional
 - 600 MB or more free hard disk space
- Sound card and headphones with in-line volume control required if ESL testing option is to be used
- 8 MB (minimum) video card
- Video card must be capable of displaying 800 x 600 resolution with 16-bit high color
- Monitor - 15" SVGA 800 x 600 with 16-bit color depth
- 10/100 Mbps Ethernet card

NOTE: Windows NT is supported for administrative use only. NT is not supported for use as a testing workstation.

The following operating systems are supported:

- Windows 98 SE
- Windows ME
- Windows NT 4.0 with Service Pack 6a
- Windows 2000 with Service Pack 2, 3, or 4
- Windows XP Professional with Service Pack 1 or 1a

NOTE: Macintosh or the Win95 Macintosh emulation, Windows 95, or the original Windows 98 are not supported by ACT for COMPASS/ESL Internet Version. Windows NT is supported for administrative use only. NT is not supported for use as a testing workstation.

User permissions and settings:

The workstation setup process requires a login that has a minimum of Power User rights. Other user rights requirements are defined in the following tables.

	Install COMPASS/ESL Setup for All Users	Install COMPASS/ESL Setup	Run Test Launcher
Administrator	X	X	X
Power User		X	X
User			X

	Download ActiveX Controls (initial)	ActiveX Controls (Updates)	Run, Validate, and Download* (No Item Updates)	Update Items with Validate and Download*
Administrator	X	X	X	X
Power User	X	X	X	X
User			X	

***NOTE:** Updating Items will fail if the user does not have (read, write, modify) on the Item folder.

The following Internet browser versions are supported:

- Internet Explorer 5.5, with Service Pack 2
- Internet Explorer 6.0, with or without Service Pack 1

NOTE: Netscape is not supported by ACT for COMPASS/ESL Internet Version.

Browser Settings:

- Download signed ActiveX controls (Minimum: set to prompt)
- Run ActiveX controls and plug-ins (Minimum: set to prompt)
- Script ActiveX controls marked safe for scripting (Minimum: set to prompt)
 1. Click on the "Tools" option in the Internet Explorer menubar.
 2. From the drop-down menu, click "Internet Options".
 3. Select the "Security" tab. Under the "Custom" heading, click the "Custom Level" button.
 4. Click the radio buttons to enable or prompt for the listed ActiveX settings if they have not been set already.
 5. Click OK to save your settings, and OK to exit the Tools menu.
- Check for newer versions of stored pages set to "automatically."
 1. Click on the "Tools" option in the Internet Explorer menubar.
 2. From the drop-down menu, click "Internet Options."
 3. Select the "General" tab. Under the "Temporary Internet Files" heading, click the "Settings" button.

4. Click the radio button for "automatically" if it has not been selected already.
 5. Click OK to save your settings, and OK to exit the Tools menu.
- Text Size setting for Internet Explorer (under the View menu) needs to be set at "Medium."

Additional Software Required:

- Java 1.3 or 1.4 Sun version is recommended but will work with the Microsoft Java Plug-in
- Windows Media Player 9.0
- Shockwave

Network settings:

Participant must provide high-speed (dedicated T1 or above) network access to the Public Internet for the Testing Workstations, and must be capable of supporting a continuous minimum data transfer rate of 500 Kbps (kilobits per second), per 25 workstations or approximately 40 Kbps per workstation.

For testing environments with more than 15 workstations, please refer to the chart below to help identify the minimum necessary continuous data transfer rates.

Average number of testing workstations	Average Response	Bandwidth Requested
15	40 Kbps	500 continuous Kbps preferred
25	40 Kbps	500 continuous Kbps preferred
50	40 Kbps	1000 continuous Kbps preferred

NOTE: Campus-based bandwidth speed and actual testing performance are highly related to each other and must be optimized for best results. COMPASS/ESL Internet Version performance (such as the time between screen presentation) can be negatively impacted by a high volume of campus-based network traffic and/or other factors that may divert true bandwidth from the testing environment.

LAN/PORTS Settings:

COMPASS/ESL Internet Version campuses must provide testing workstations configured to operate on the LAN using TCP/IP protocol, with access to Public Internet websites.

- Ports 80 and 443 are required for standard program operation.