



## ETS Certified Test Administrator Services (CTAS) Technical Requirements

### Computer Requirements

- A. **Administrative Station:** Required for image capture, candidate check-in and other administrative tasks.
- B. **Cache Proxy (or Internet Authentication Service (IAS) local server):** This pc is required for storing test delivery information and temporary storage of candidate results.
- C. **Testing Stations:** Required for delivering tests (one testing station per candidate).

### Required Operating Systems and Browsers for ETS Internet-Delivered Testing (iBT)

- A. **Operating Systems**
  - 1. Windows® 10 and 11 (32-bit and 64-bit)
- B. **Browsers**
  - 1. You must use Microsoft Internet Explorer® (IE) v10, v11 or Edge.
- C. **Notes**
  - 1. The operating system should reside on, and boot from, the computer's local hard disk. Virtual machines and thin clients are not supported.
  - 2. Macintosh® or iMac® are not supported or approved for use with test delivery on the TOEFL iBT® platform.
  - 3. Microsoft® Server Operating System or Linux® are not supported.

### Local Area Network (LAN) and Internet Connectivity

Cache proxy, administrative and testing station computers should:

- A. Reside on a LAN in the same subnet to allow communication between test delivery applications without blocking of any ports.
- B. Be connected to the internet via a broadband internet connection with a minimum download speed of 4Mbps and upload speed of 1Mbps.
- C. Allow test delivery applications accessing TCP port 80 and 443. More detailed technical requirements and whitelist information is available in the [Test Center Configuration Tips \(PDF\)](#).

**Note:** We strongly recommend using a separate device for LAN (switch) and internet connectivity (router) instead of using an integrated device.



## Specifications for Administrative and Testing Stations

- A. Minimum Processor: Benchmark: 4000. Refer to the [Passmark CPU Benchmark values](#).
- B. Minimum Installed Memory: 4 GB
- C. Recommended Installed Memory: 8 GB
- D. Minimum Free Memory: 1 GB
- E. Free Disk Space: 2 GB
- F. Display Adapter: 1024x768 resolution, with 32-bit color depth/65,536 colors
- G. Display Monitor: Widescreen monitors must support an aspect ratio of 4:3
- H. Display Monitor Screen Size: LCD/LED 15-inch or higher
- I. Sound Card: 44.1 KHz (or better) sample rate

**Note:** Logitech® C270, C210, C170 and Microsoft VX800 webcams are approved for image capture at the Administrative Station. KOSS® SB45 headsets are approved for audio recording/playback on the Testing Stations.

## Specifications for Cache Proxy (or IAS Local Server) Computers

- A. Maximum number of concurrent test takers: 40
- B. Minimum Processor: Benchmark: 4000. Refer to the [Passmark CPU Benchmark values](#).
- C. Minimum Installed Memory: 4 GB
- D. Recommended Installed Memory: 8 GB
- E. Minimum Free Memory: 2 GB
- F. Minimum Free Disk Space: 5 GB

## Technical Configuration

Test center technicians must review the [Test Center Configuration Tips \(PDF\)](#) to ensure that they can configure the test center network and desktop environment for internet test delivery.

