



MINIMUM TECHNICAL REQUIREMENTS FOR VCBE

1. Candidates must download and install the required **LockDown browser** at least one (1) day before the examination and complete the demo test in advance. It is the candidate's responsibility to ensure that the browser is properly installed and functioning before the examination day. Failure to do so will result in the candidate being unable to start the examination, and the examination fee will not be refunded.

2. The LockDown browser can be downloaded from: <https://ems.aiiasia.org/TNA/ExamHome/index2.html>

3. Computer Requirements:

a. Microsoft Windows Operating System:

Hardware	Minimum Specification
Hardware Type	Laptop
Processor	Dual Core Intel i3/i5
RAM	4 GB
Available Disk Space	15 GB Hard Disk free space
Display Resolution	Best view in 1280 x 1024
Network adapter	1 Gbps Network Interface Card

Software	Minimum Specification
Operating Systems	Windows 10 and 11 Professional Edition Windows 10 and 11 Home Edition Note: Windows 10/11 "S mode" & "SE" is not supported.
Browsers	Chrome Version 116.0.5845.182 Firefox Version 117.0
Pop-up Blocker	Popup Blocker should be disabled to launch test.
Antivirus	Any Registered Antivirus Product [No Freeware tools]

b. MAC Operating System:

Hardware	Minimum Specification
Hardware Type	Laptop
Processor	Dual Core Intel i3/i5
RAM	4 GB
Available Disk Space	15 GB Hard Disk free space
Display Resolution	Best view in 1280 x 1024
Network adapter	1 Gbps Network Interface Card

MAC OS Version	Browser Version
MacBook Pro, Mini, Air Operating System Version 11 and above. Big Sur, Ventura, and Sequoia ++	Google Chrome 116.0.5845.182 + Safari 16.6 + Firefox 69.0 +

- The supported versions are Big Sur (11) and above, including Ventura and Sequoia for macOS. Anything lower than macOS version 11 Big Sur are not supported.
- This is due to recent macOS upgrades introduced by Apple.

c. Additional Info:

Internet Connection Type	Broadband
Internet Download Speed	1.5 GB
Internet Upload Speed	1.5 GB

Important Notes:

1. The use of **company laptops** is **NOT** recommended.
2. If you must use a company laptop, please ensure the following:
 - a. The laptop's security password must be disabled.
 - b. An IT administrator should be on standby to assist if needed.
 - c. Please take note that if the security password is not disabled, you will not be permitted to sit for the exam.
3. Smart Phones (iOS & Android) & Tablets (iOS & Android) Windows 7 & Windows 8 machines are **NOT** supported for Secure Examinations as they are out of support by Microsoft.
4. Candidates must join the Zoom Meeting within the check-in window, which opens 45 minutes before and closes 30 minutes before the scheduled examination start time.
5. If you are using any freeware antivirus tools, please switch them off. Alternatively, if your exam is being blocked by an antivirus, go to the antivirus setting and allow it.
6. Candidates are required to display their full name in the Zoom Meeting exactly as stated in their Identification Card (NRIC) or Passport.
7. After completing your examination, please uninstall the LockDown browser. A fresh installation is required before each examination to avoid technical issues.