

# Remote Exam Basics

## Technical and Location Requirements for Oral and Computer-Based Exams

2021

## Technical Requirements

### Computer System Requirements

The computer system requirements listed below provide a basic overview of a system that will meet the technical requirements for ABR computer-based and oral remote exams. Prior to your exam, you will be encouraged to complete a technical check to ensure your system meets minimum connectivity and internet browser compatibility requirements. In addition, there will be ample opportunity prior to each exam to gain familiarity with the software and systems through a practice exam. The practice exam will allow you to simulate the actual exam-day experience well ahead of your scheduled exam and confirm that your computer and location setup meet your expectations. If you change your computer specifications or location after your initial technical check is complete, we recommend you complete it again with your new setup.

#### Basic computer requirements:

- Internet/Network: reliable broadband internet connection, minimum 5 Mbps (megabit per second) download and 1 Mbps for upload
  - [Check your connection speed](#)
- Computer: Desktop or laptop (no iPad) with Windows 10 or MacOS X 10.11 or higher
- Computer memory: minimum of 4GB RAM
- Computer drive/storage: minimum of 10GB of free disk space
- Monitor: > 13" and 1080p minimum
  - [Check your monitor resolution](#)
- Keyboard and mouse
- Internet browser: latest version of Google Chrome
  - [Check your version of Google Chrome](#)
- Audio: microphone and computer speakers<sup>1</sup>
- Camera: integrated or external webcam with a minimum of 640 x 480 @ 10 frames per second
  - *Note: camera will be used for the 360° room security scan and exam proctoring*
  - *Note: use of virtual backgrounds is not permitted*

<sup>1</sup> Headset is permitted during the oral exam. If you decide to use a headset, we recommend using a wired headset to avoid technical issues.

**IMPORTANT NOTE:** You assume full responsibility for ensuring your computer setup meets the requirements for remote exams. This includes integrity of equipment, internet connectivity, system performance, and other issues related to but not limited to the above that are outside of the control of the ABR or our exam security vendor, Proctorio®. ABR staff are not able to provide technical support regarding individual setup for remote exams.

### Monitor Performance Self-Check (complete prior to exam day)

The [monitor performance self-check](#) is intended to show imaging findings that should help determine if your laptop or desktop monitor is sufficient for ABR remote exams.

## Location Requirements

Both computer-based and oral exams will take place in a remote location of your choosing, provided that place meets the basic requirements listed below.

Our expectation is that the space selected will be sufficiently private where interruptions and the presence of other people would be unexpected or unlikely to occur during the exam. If location interruptions are anticipated to be frequent or prolonged, arrangements should be made to use a different location to take the exam. Brief/sporadic interruptions could occur unexpectedly. In those cases, ABR senior staff will do a post-exam review to determine if the interruptions had potentially significant impact on the exam. Most brief/sporadic events would likely be deemed inconsequential.

### Private and Quiet Space

- Alone, away from other people
- Free from background noise
- Free from interruptions
- Clear workspace

### Permitted

- Secondary monitor
  - Not required but may be preferred. The monitor must be connected to the computer being used to take the exam and not a secondary device.
  - If you choose to use a secondary monitor, you will need to disable any other monitors connected to your computer.
- White board (8.5" x 11" maximum), dry erase markers, and an eraser
  - Required only for Medical Physics Part 3 (Oral) Exam.
  - Optional for other exams; the interface has an electronic notepad.
- Beverages and snacks
- Facial tissue
- See list of [Allowable Personal Items](#) below

### Not Permitted

- Other individuals in room
- Open books, notes, and other study materials
- Cell phone or other mobile devices<sup>1,2</sup>
- Headset<sup>3</sup>
- Camera or other recording devices (other than the webcam for security scan and exam proctoring)
- Watch
- Calculator (exam software includes a calculator)<sup>4</sup>

<sup>1</sup> In the event of a major internet disruption, please have a cell phone accessible in a nearby room to contact the ABR or Proctorio®.

<sup>2</sup> The use of a cell phone or other mobile device is permitted during breaks and intermission.

<sup>3</sup> A headset is permitted during the oral exam. If you decide to use a headset, we recommend using a wired headset to avoid technical issues.

<sup>4</sup> Medical physics candidates are permitted to use the Texas Instruments TI-30XS or the TI-30XS MultiView Scientific Calculator on the Part 1 and Part 2 qualifying exams.

## Allowable Personal Items

Please note that you do **NOT** need to request testing accommodations for the specific items indicated below. However, if any other accommodations are needed that are **NOT** listed below, the formal [Exam Accommodations](#) request process must be followed.

### Medicine and Medical Devices

- Arm/shoulder sling
- Bandages
- Braces: neck, back, wrist, leg, or ankle
- Casts/cervical collar
- Cough drops/hard candies
- Chapstick/lip balm
- Earplugs (foam with no strings)
- EpiPen
- Eye drops
- Eye patches
- Eyeglasses (without a case)
- Glucose monitor
- Glucose tablets
- Handheld magnifying glass (nonelectric, no case)
- Ice packs/nonelectrical heating pads
- Inhaler
- Medical alert bracelet
- Medical/surgical masks
- Medical rubber gloves
- Nitroglycerin tablets
- Pillow/lumbar support
- Pills
- Stool for elevating a limb
- Walking boot casts

### Medical Devices (Attached to a person's body)

- Heart rate monitor
- Insulin pump
- Oxygen tank
- Spinal cord stimulator
- TENS units (Transcutaneous Electrical Nerve Stimulation) for nerve pain
- Continuous Glucose Monitor

### Communication Aids

- Hearing aid/cochlear implant
- Vocal cord magnifiers

### Mobility Devices

- Cane
- Crutches
- Walker
- Knee scooter
- Wheelchair

## Useful Resources

**myABR:**

<https://myabr.theabr.org/>

**Monitor Performance Self-Check:**

<https://www.theabr.org/monitor-performance-self-check>

**Help Desk:**

[information@theabr.org](mailto:information@theabr.org)

