The information listed in this Site Information and Equipment List is for informational purposes only. There may be additional equipment or supplies on-site during the exam that may not be reflected in this manual. Additionally, equipment and supplies may change without warning.

This information is not intended to prepare Candidates for the exam, but instead is intended to provide a general overview of equipment and supplies used during the exam. Candidates are reminded to thoroughly review the Evaluation Forms and Candidate Guide to adequately prepare for the Part III, Clinical Skills Examination.
NCCTO® SITE INFORMATION AND EQUIPMENT LIST OVERVIEW

NCCTO EQUIPMENT-ONLY QUICK REFERENCE:

Station 1:
Reliance 6200-L Chair Reliance
M&S Smart System II 20/20 Basic Projector
Marco 101 Lensmeter
Blood Pressure Simulator Life Form 01095
Welch Allyn 3.5v 41100 Transilluminator

Station 2:
Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Haag-Streit 900 Bi Slit Lamp Video System
Volk G-3 Three-Mirror Glass Gonio Fundus Lens with Flange

Station 3:
Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Reichert 11636 Minus Cylinder Back Illuminated Ultramatic Rx Master Phoroptor Refractor
M&S Smart System II 20/20 Basic Projector
Welch Allyn 18245 Elite Streak Retinoscope

Station 4:
Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Haag-Streit 900 Bi Slit Lamp Video System
“Modified” Keeler BIO Vantage Plus Slimline Wireless Plus Indirect System with +2.00 Oculars
Volk 20D Lens
Volk Digital Clear Field Lens
Volk VDGTL1 Digital High Mag Imaging Lens
Volk Digital Wide Field Lens
Volk 78D & 90D Lenses
**All Stations**
The following information is identical in all exam rooms

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**Main Overhead Light Switch**

**Dimmer Switch & Slider**

Located behind computer workstation

Location of this switch is the same in EVERY exam room

Main Overhead Light Switch is located on the LEFT
Dimmer switch is located on the RIGHT
Slider to adjust dimmer brightness is on the RIGHT side of the dimmer switch
All Stations
The following information is identical in all exam rooms

Under Cabinet Light Switch
Located above sink counter, by soap dispenser
Location of this switch is the same in EVERY exam room
All Stations
The following information is identical in all exam rooms

Exam Chair Overview
Reliance 6200-L Chair Reliance
Exam Chair Overview
Reliance 6200-L Chair Reliance

To recline the exam chair:
- Pull DOWN on the lever located on the back of the chair
- Lower the chair and position appropriately
- Release the lever while lowered to lock the chair in place
All Stations
The following information is identical in all exam rooms

Computer Workstations
- Displays Station Instructions
- Not an item-by-item list, but a brief overview of Skills expected to be performed
- Turn the monitor off/on by pressing the button on the bottom right corner

Repeat Policies
Posted on the back of the exam room doors, next to the computer workstation

Pens & Pencils are provided in each Station for Candidate use

Band-Aids are available in all Stations in the event an injury occurs
Countdown clocks on the computers are NOT THE OFFICIAL CLOCKS that determine a candidate’s time.

A countdown clock will be minimized on the menu bar at the bottom of the screen:

Candidates wishing to use the countdown clock will need to click on the menu bar to be able to start the countdown.

Once the announcement begins to play, that is when official testing time begins. Once the announcement plays ending the exam, time ends. Candidates wishing to use the countdown clock in the rooms must press the START button to begin the countdown clock. There will always be a delay between when the announcement plays and when a candidate presses START thus the time on the computer will always be less than 30 minutes (15 minutes for Station 4). Using the countdown clock in the room is optional and only to provide Candidates assistance in determining the amount of time, digitally, remaining in the station. Again, these clocks are not the official time keepers of the exam.

“CLEAR” will reset the timer. Candidates can minimize the timer by clicking on the minimize button located in the upper right corner:

The clock will continue to countdown minimized on the menu bar.

Here is a link to the timer that is available in the exam room: http://www.online-stopwatch.com/countdown/
Station 1 Equipment & Supplies

Station 1 Room View

Transilluminators
Welch Allyn 3.5v 41100 Transilluminator

Prism Bars

M&S Acuity Chart
Remote Control
(see Station 3 for detailed remote information)
Station 1 Equipment & Supplies

- **Fixation Targets**
  - Third Line from the Top is the 20/40 line
- **Rulers**
  - Reverse Side is the PD Ruler
- **Pen Lights**
- **Tape Measure**
- **Cover Paddles**
- **Fixation Target**
- **20/40 BLNCS**
- **Silver/Gold Wands**
- **Alcohol Wipes**
- **Tissues**
Station 1 Equipment & Supplies

Simulated Blood Pressure Arm and Equipment Overview

Blood Pressure Simulator Life Form 01095

The simulated arm is attached to a control box. The display of the control box is partially covered. Lifting the cover will result in failure of the Blood Pressure Skill. Do not lift the cover.

Candidates will need to turn on the box before pumping the BP cuff. The power button is located at the top right corner of the control box.

As soon as the power button is pressed, the machine will be ready to use.

Candidates can verify the machine is turned on by viewing the letters in the corner of the display.
Station 1 Equipment and Supplies

Lensmeter and Lensometry Supplies
Marco 101 Lensmeter

Candidates are responsible for focusing and zeroing the lensmeter.

The pair of Progressive lenses will have necessary markings needed to obtain adequate findings. Glasses will vary for each exam.
All Station 2 Skills are performed using the Slit Lamp
Haag-Streit 900 BI Slit Lamp Video System
CAMERA IS ON THE LEFT OCULAR

Candidates must use focus rod to focus the oculars.

Power:
blinking green=standby; solid green=on
Station 2
Slit Lamp Settings Overview

**Bright White**
*Largest Aperture - No Filters*

Top pin pushed to the **Left** all the way

**Blue Filter**

Circular dial turned all the way to the **Left** so “B” is displayed
Station 2
Slit Lamp Settings Overview

Yellow Filter
If the lever is at the Solid White Circle, the filter is **IN**
If the lever is NOT at the Solid White Circle, the filter is **OUT**

Toric Contact Lens Overview

(D) Correct  (E) Incorrect

OK  OK  OK
Station 2 Supplies Overview

Note: The brand of the item may change and be different than what is displayed

Example of Station 2 Supplies set-up on the counter ready for use

Tray

- Tray will contain ready to use, already disinfected, gonio lens, tonometer, forceps.
- Do not touch these instruments unless it is during exam time and you have washed your hands.
- After using the instruments please place on the clean paper towel.

Gonio Lens

Example

Volk G-3 Three-Mirror Glass Gonio Fundus Lens with Flange

Collagen Inserts/Plugs

Alcohol Wipes

Kim Wipes

Tissues
Station 2 Supplies Overview

Note: The brand of the item may change and be different than what is displayed.

RGP Contact Lens Example

Toric Soft Contact Lens Example

Cotton Tipped Applicators
Station 3 Equipment and Supplies

Reichert 11636 Minus Cylinder Back Illuminated Ultramatic Rx Master Phoroptor Refractor

Cover Paddles / PD Rulers examples

Kim Wipes

Alcohol Wipes

Welch Allyn 18245 Elite Streak Retinoscope
Remote Control Overview

Guidance for Commonly Used Settings

**FNC** – “Shift” key provides access to less commonly used features

**LTR** – Provides a descending chart of lines of letters. Press again to randomize the chart

**R/G** – Red/Green (only works with targets up to 20/125 in size)

**SGL** – Displays a single letter

**LINE** – Displays a single line of letters

**LINES** – Displays 3 lines of letters of the same size

**VLine** – Displays a vertical line of letters

**B** – Blank/Black Screen (press any button to turn the screen back on)

**CYC** – Single line on screen will randomize at regular timing intervals

**Arrow** – Displays an arrow beneath the first letter in a single line – vertical or horizontal

**+** – Scroll up in letter size

**-** – Scroll down in letter size

10, 15, 20 etc – Select a given acuity level. E.g. 30 = 20/30. Pressing a 2nd time will randomize

Additional Remote Tips

The Red/Green does not work with targets larger than 20/125 in size. However, the NBEO does not require Red/Green for scoring purposes. If a candidate wishes to use Red/Green they can do so with a 20/125 target.

Randomizing – There are several ways to randomize the display:

1. Press the test mode button again. For example, if you desire to randomize the letters, simply press **LTR** a second time
2. Press the size button again. For example if the top line of the chart is 20/40 and you wish to randomize the chart, simply press **40**
3. If working with a single letter or single line, press the **SGL** or **Line** button a second time

To access a particular size letter or a particular line of the chart, press the numbered button corresponding to it. For example to bring up 20/100, press **100**
Station 4 Equipment and Supplies

Station 4 Room View
Station 4 Equipment and Supplies

BIO Headset Overview
“Modified” Keeler BIO Vantage Plus Slimline Wireless Plus Indirect System

- The BIO Headset will be hanging on the light stand in Station 4.
- Without an appropriate working distance (18-25 inches) the target may appear decentered.

<table>
<thead>
<tr>
<th>FIXED</th>
<th>ADJUSTABLE</th>
</tr>
</thead>
</table>
| • aperture  
• filter  
• brightness  
• circle beam height | • fit behind head  
• fit on top of head  
• PD  
• angle of ocular to eyes |

Turn to adjust ocular distance to eyes

Illumination will be set by the SP

Slide to adjust PD between 48-76

Turn to tighten or loosen fit

Vertical fit
Station 4 Equipment & Supplies

**Station 4 Slit Lamp**
Haag-Streit 900 BI Slit Lamp Video System
*Camera is on the left ocular

**Candidates must use focus rod to focus the oculars**

**Power:**
- Blinking green = standby
- Solid green = on

**Rheostat**

**Non-functioning buttons**
Station 4 Equipment & Supplies

Station 4 Lens Overview

The following lenses are available for Candidate use during Skill 18 and Skill 19

- Volk 20D Lens
- Volk Digital Clear Field Lens
- Volk VDGTL1 Digital High Mag Imaging Lens
- Volk Digital Wide Field Lens
- Volk 78D & 90D Lenses

Miscellaneous Supplies

- Alcohol Wipes
- Kim Wipes
- Tissues

Elbow Rest available for use with Slit Lamp