



International  
**Paralympic**  
Committee

## Requirements

### Visual Impairment Classification

June 2016

**International Paralympic Committee**

Adenauerallee 212-214 Tel. +49 228 2097-200  
53113 Bonn, Germany Fax +49 228 2097-209

[www.paralympic.org](http://www.paralympic.org)  
[classification@paralympic.org](mailto:classification@paralympic.org)



The equipment and facilities listed are necessary for standardised Classification of athletes with visual impairment approved by the International Paralympic Committee (IPC). It is the Local Organising Committees (LOC) responsibility to meet these equipment standards described below.

## **1 Basic room requirements**

Throughout the classification area (all spaces listed below), there may be no natural light or large variation in luminosity. The rooms shall be well lit with standard room illumination. A dimmer should be available as some exams require the room to be darkened.

- All rooms should be lockable and must have numerous electrical outlets.
- There must be access to restrooms in the classification area.

### **1.1 Classification Panel Room**

There must be one (1) room per classification panel each with:

- Minimum size of 7x 3 meters
- Two (2) tables and five (5) chairs (1 table and 2 chairs being vertically height adjustable)
- One computer<sup>1</sup>

<sup>1</sup> Classifiers require reliable internet connection to access SDMS (IPC athlete database). It is highly desirable to have internet connection in all assessment rooms.

### **1.2 Ancillary Testing Room**

There must be one (1) room for ancillary testing shared by all panels with:

- Ideally in a quiet area.
- Two (2) tables and four (4) chairs (1 table and 2 chairs being vertically height adjustable)

### **1.3 Waiting Room**

- This room must be large enough and with 10 chairs (based on 2 panels). An additional three (3) chairs should be added per extra panel.

### **1.4 Reception**

- Adjacent to the Waiting Room or within it, there will be a check-in area for staff or volunteers to welcome athletes and fill in the VI Classification Form. This area must be equipped with a desk and some chairs.

### **1.5 Chief Classifier's Room**

An additional room shall be provided for the Chief Classifier to work if not a member of a classification panel.



## 2 VI Classification equipment

This list includes that equipment which is required in the field of ophthalmology and optometry. We suggest establishing contact with an equipment supplier, local hospital or clinic to rent the equipment for the Classification Period. Further explanation of the equipment is found below.

### 2.1 Classification Panel

This equipment is required in each classification panel room:

- Big set of large aperture lenses with trial frame (adult size)<sup>2</sup>, occluder, spherical, and cylinder lenses (266 pieces).

<sup>2</sup> *A small set of aperture lenses (100 pieces) is not sufficient.*

- Lensmeter or Focimeter (automatic with printer is preferred)<sup>3</sup>
- Slit Lamp with 90D, 78D or Superfield fundus lens and spare bulb
- Ophthalmoscope (direct, with adjustable light sensitivity) with recharger and spare bulb
- Disposable eye cleaning pads/tissues (small 5x5 cm)
- Hand cleaning liquid and disposable (paper) towels
- Static Autorefractor<sup>3</sup>

<sup>3</sup> If the technician is able to complete these tests, these may be shared by all panels in the Ancillary Testing room.

### 2.2 Ancillary Testing

Equipment shared by all classification panels is stored in the ancillary testing room and includes:

- Automated perimeter (Goldmann VF Perimeter, Humphrey Field Analyzer, or Octopus Interzeag)<sup>4</sup>

The software in automatic perimeters must be for full range fields (80° or more), not only for central visual fields. The reference stimulus/isopter is Goldman III/4 or the equivalent on other equipment.

- Topical medications (Drops)<sup>4</sup>
  - 1 bottle Dilating (tropicamide 0.5%)
  - 1 bottle Topical anesthesia (proparacaine 0.5%)

<sup>4</sup> In preparation the LOC should coordinate with the Chief Medical Officer for the event (or other relevant personnel) to access prescriptions as required.



### **3 Office Supplies**

The following supplies shall be made available in the classification space; should a Classification Administration room be made available these supplies will be found there.

- Printer/ scanner/copier;
- Computer connected to the printer, scanner and reliable internet connection;
- Metric measuring tape, 7m minimum;
- Masking or similar paper tape (to be used on the floor);
- Marker (used to mark tape)
- Permanent ink pad (to collect finger prints from athletes, who cannot sign the classification form);
- Wet wipes (to clean the athlete's fingers after using the ink pad);
- Pens;
- Staplers, staples, paper clips and staple remover.

### **4 Volunteers and Technician**












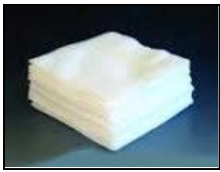
The LOC should provide volunteers to help the classifiers with the administration work. Volunteers can help with athlete check-in, copying and scanning paperwork and filling in basic information on the classification forms. The number of volunteers needed depends on the number of classification panels appointed; one (1) volunteer per classification panel up to a maximum of three (3) total is required. The volunteers should speak English and be introduced to their tasks prior to classification.

Therefore, at least a trained technician must be available to explain the operation of the automated perimeter. This technician may also assist in using the static autorefractor and lensmeter.

A technician who is trained to conduct visual field assessments on the provided automated perimeter is highly desirable. Should no capable technician be available some athletes may not be classified. Due to regional diversity classifiers are unlikely acquainted with the specific equipment.



## 5 Equipment Photos

Slit lamp		
Fundus lens (90D, 78D or Superfield or equivalent)		
Set of trial lenses (spherical and cylinder lenses), 266pcs.		
Adult size trial frame (for trial lenses)		
Direct ophthalmoscope, portable (With charger or enough spare batteries)		
Lensmeter or Focimeter (Automatic with printer is preferred)		
Autorefractor with printer		
Automated Perimeter : Goldmann VF Perimeter is preferred, Humphrey Field Analyser or Octopus Interzeag, accepted.		
Eye occluder		
Tropicamide 0,5% - pupil dilating (topical eye drops)		
Proparacaine 0.5% - anaesthetic (topical eye drops)		
Disposable eye cleaning tissue/pads (small - 5x5 cm)		
Hand cleaning liquid		
Disposable (paper) towels		