

# SPECIFICATIONS FOR INTERNATIONAL STANDARD PARA-BADMINTON FACILITIES



In Force: 01/01/2022

The requirements stated in this Section are the minimum requirements for BWF Sanctioned Para Badminton Tournaments in the different grades/levels. Guidelines specific to the different Tournament grade/levels and Host Contracts may specify higher levels of requirements.

## 1. Venue height

### 1.1 Grade 1, Grade 2 Level 1 and 2, Regional Multisport Games

- 1.1.1. It is a **requirement** that the minimum height from the floor over the full court be 9 meters
- 1.1.2. The required height shall be entirely free of girders and other obstructions over the area of the court

### 1.2 Grade 2 Level 3 and other BWF sanctioned events

- 1.2.1. It is a **requirement** that the minimum height from the floor over the full court be 8 meters
- 1.2.2. The required height shall be entirely free of girders and other obstructions over the area of the court.

## 2. Flooring for Competition Courts

### 2.1. Grade 1, Grade 2 Level 1 and 2, Regional Multisport Games

- 2.1.1. It is a **requirement** to have a wooden sprung floor, or equivalent subfloor for the Badminton Court Mats for standing and Short Stature events. BWF has the authority to approve any equivalent surface to a wooden sprung floor
- 2.1.2. It is a requirement to have a hard floor for Wheelchair events as approved by BWF.
- 2.1.3. It is a **requirement** that all matches for standing and short stature events are played on approved Badminton Court Mats (minimum approval level 1B according to the [BWF Equipment Approval Scheme](#)).
- 2.1.4. All Grade 1 and Grade 2 Level 1 and 2 Tournaments must use approved BWF Court Mats with a run-off measurement of 1 meter for the back of the court, and a run-off measurement of 0.5 meters for the sidelines

It is a **requirement** that there be at least two-metres clear space behind the baselines of the court (distance to any A-boards or similar advertising) and 1.5 metre clear space from the side-lines of the court. The 1.5 metre clear space shall also be a minimum requirement between any two courts marked out side by side. In Grade 1 and 2 Tournaments it is **recommended** that the space between courts is at least four metres to accommodate A-boards and chair for the officials. On courts with TV-production additional space may be required. Advertising in the playing area may be applied as per GCR Regulation 18.

## 2.2. Grade 2 Level 3

2.2.1 It is **recommended** to have a wooden sprung floor, or equivalent subfloor for the Badminton Court Mats for standing and Short Stature events. BWF has the authority to approve any equivalent surface to a wooden sprung floor.

2.2.2. It is **recommended** to have a hard floor for Wheelchair events as approved by BWF.

2.3 Competition Courts must always be laid down side by side unless approved otherwise by BWF.

## 2.4. Other BWF Sanctioned Tournaments

2.2.1. It is a **recommended** to have a wooden sprung floor, or equivalent subfloor for the Badminton Court Mats for standing and Short Stature events. BWF has the authority to approve any equivalent surface to a wooden sprung floor

It is a **recommended** to have a hard floor for Wheelchair events as approved by BWF.

2.2.2. It is **recommended** to have approved Badminton Court Mats (minimum approval level 1B with a wooden sprung floor or minimum approval level 2A without a wooden sprung floor. For more information, please consult the [BWF Equipment Approval Scheme](#).

2.2.3. It is a **requirement** that there be at least two-metres clear space behind the baseline of the court (distance to any A-boards or similar advertising) and 1.5 metre clear space from the side-lines of the court. The 1.5 metre clear space shall also be a minimum requirement between any two courts marked out side by side

## 3. Other Court Equipment

3.1. **Net and Net-posts – All Tournaments.** It is a **requirement** to have BWF approved nets and net-posts.

### 3.2. Umpires Chair – All Tournaments

3.2.1. It is a **requirement** that the construction be stable and safe for the umpire to ascend and descend.

3.2.2 It is **recommended** to be equipped with a hinged writing platform so that the umpire can rest the scoresheet, unless electronic scoring equipment is used.

3.2.3. It is **recommended** that the seat should be at the same height as the net i.e. 1.55 metres and should be comfortable in terms of size and material used for construction.

3.2.4. It is **recommended** that the chair should be centred along the extension of the net approximately one metre from the net.

3.3. **Service Judge Chair – All Tournaments:** It is a **requirement** that the Service Judge Chair be a normal height and shall be centred along the extension of the net approximately one metre from the net.

3.4. **Line Judge Chairs – All Tournaments:** It is a **requirement** that Line Judge Chairs be positioned flush with the lines where the line judge is judging. The Chairs

must be positioned a minimum of two metres clear space behind the baselines and 1.5 metres clear space from the side-lines.

#### 4. Background – Grade 1, Grade 2 Level 1 and 2 and Regional Multisport Games.

- 4.1. It is a **requirement** that the area directly behind each end of each court not have predominantly white or light-coloured areas to avoid difficulties seeing the shuttle. that only darker colours are used. It is **recommended** that only darker colours are used.
- 4.2. It is a **requirement** that any A-boards at the ends of the court have less than 20% of their surface area white or light-coloured. It is recommended that A-boards have no white or light-coloured areas at all
- 4.3. According to light placements and the height of the ceiling above the lighting, it is **recommended** for the ceiling not to be of a light colour to avoid difficulties sighting the shuttle

#### 5. Lighting – All BWF Sanctioned Tournaments

- 5.1 For Grade 1 and Grade 2 Level 1 Tournaments it is a **requirement** that the minimum lighting level be 1000 Lux and be able to provide even light over the court area.
- 5.2 For Grade 2 Level 2,3 and Grade 3 Tournaments it is **recommended** that the minimum lighting level is 1000 Lux and must provide even light over the court area
- 5.3 It is a **requirement** that lighting not be positioned directly over the playing area to avoid glare and lighting causing difficulties seeing the shuttle. Lighting behind the playing area shall be focused in a way not causing difficulties seeing the shuttle, but lights should preferably be positioned along the sides of the court.
- 5.4 It is a **requirement** that all sources of daylight or sunlight behind or along the sides of the court be eliminated.
- 5.5 It is **recommended** that lighting be set up for optimal conditions for still photographers with 1500-1800 Lux.
- 5.6 **TV production lighting – Grade 1 and Grade 2 Level 1 and Regional Multisport Games**
  - 5.6.1 BWF and TV Host Broadcasters will advise on their lighting requirements in separate guidelines, but it is a **requirement** that it will not be less than 1500-1600 Lux on courts with TV production and must provide even light over the court area.

#### 6. Air movement

- 6.1. Any air movement (e.g. draughts from air conditioning or from other sources) must be tightly controlled or eliminated.
- 6.2. The field of play in particular must be free of draughts or other air movement. Where air conditioning is normally used, special attention must be paid to its effects. Double-doors (air-lock) around entry/exit points must be provided.
- 6.3. Airflow is to be checked with competition set up in place, in an unoccupied state and air flow should not exceed 0.2 m/s over the Field of Play
- 6.4. Airflow is to be measured with a hot wire anemometer at heights of 3m, 6m and 9m and should not exceed 0.2 m/sec over the area of the FOP (measured on at least eight different locations on each court).

- 6.5. The location and protection of all air supply and extract grilles or openings must be carefully considered – particularly in relation to the flight path of the shuttlecock. It is better if ventilation systems are designed to operate around the perimeter of the hall to limit air movement over the court.
- 6.6. A method of turning off the A/C 'without delay', shall be available at the request of the BWF. Preferably A/C air speed shall be adjustable to enable the organiser to find an acceptable level for both the Field of Play and comfort
- 6.7. In venues used for Grade 1 Tournaments where airflow is identified as a potential issue, CFD analysis must be undertaken to check the predicted airflow measurements. This should be defined in good time for any recommendations to be undertaken

## **7. Temperature**

The temperature in the arena should be kept between 18 and 30° C

## **8. Shuttles**

### **8.1 Grade 1, Grade 2 Level 1 and 2 and Regional Multisport Games**

- 8.1.1. One brand of BWF Approved shuttles only must be adopted for exclusive use during any Tournament and the name of this brand must be advertised in the Tournament Prospectus.
- 8.1.2. Rationing of shuttles per match shall not be allowed, and all shuttles used must be the financial responsibility of the Tournament without charge to the Players concerned.
- 8.1.3. At least three speeds of shuttles must be available throughout the Tournament. The middle speed nominated by the organisers, shall be the speed which would normally be used for the majority of the matches, and there shall be at least one speed faster and one speed slower

### **8.2 Grade 2 Level 3**

- 8.2.1. One brand of BWF Approved shuttles only must be adopted for exclusive use during any Tournament and the name of this brand must be advertised in the Tournament Prospectus.
- 8.2.2. Rationing of shuttles per match shall not be allowed, and all shuttles used must be the financial responsibility of the Tournament without charge to the Players concerned.
- 8.2.3. At least two speeds of shuttles must be available throughout the Tournaments. Referee must approve the speed to be used for the majority of matches.

### **8.3 Grade 3 and other BWF Sanctioned Tournaments**

- 8.3.1. One brand of BWF Approved shuttles only must be adopted for exclusive use during any Tournament and the name of this brand must be advertised in the Tournament Prospectus.
- 8.3.2. Rationing of shuttles per match shall not be allowed, and all shuttles used must be the financial responsibility of the Tournament without charge to the Players concerned.

## 9. Warm-up and Practice Courts – and practice allocation

### 9.1. Grade 1, Grade 2 Level 1, 2 and 3, Regional multisport games

9.1.1. The following requirements describe the minimum warm up and practice court requirements, but more courts and available earlier would be recommended depending on demand. Practice courts must be available at least one day before competition:

	Grade / Level of Tournaments			
	Paralympic Games, regional multisport games	World Championships	Grade 2 Level 1	Grade 2 Level 2-3
<b>Warm Up Courts</b>	Mandatory	Mandatory	Mandatory	Optional
Minimum Warm up courts	4 (2 wheelchair, 2 standing)	2 (1 wheelchair, 1 standing)	2 (1 wheelchair, 1 standing)	At hosts capability but equal for WH and Standing
<b>Practice courts</b>	Mandatory	Optional	Optional	Optional
Minimum practice courts (if being offered)	4 (2 wheelchair, 2 standing)	4 (2 wheelchair, 2 standing)	4 (2 wheelchair, 2 standing)	At hosts capability but equal for WH and Standing

Day	Tournament Status	Practice hours (if requested)	No. of courts required
Sunday	Players arriving	09:00 – 21:00	Based on the chart above.
Monday	Players arriving	09:00 – 21:00	
Tuesday	Players arriving / Competition Day	09:00 – 21:00	
Wednesday	Competition Day	09:00 – 21:00	
Thursday	Competition Day	09:00 – 21:00	
Friday	Competition Day	09:00 – 21:00	
Saturday	Competition Day	09:00 – 21:00	
Sunday	Competition (Finals) Day	09:00 – 15:00	

9.1.2. The practice time must be offered in the practice hall and main venue throughout the competition and it shall be allocated on an equitable basis having regard to the number of active Players in each team.

9.1.3. **Height of practice hall:** The **recommended** minimum height in the practice hall shall be nine metres for Grade 1 and Grade 2 Level 1 and 2. The **recommended** minimum height in the practice hall shall be eight metres for Grade 2 Level 3

9.1.4. **Flooring in practice hall:** The practice hall shall have a wooden sprung floor or equivalent surface, either as the subfloor (with court mats on top) or as the main playing surface for standing and short

stature players. Hard flooring or appropriate surface as approved by BWF shall be used for wheelchair players.

- 9.1.5. **Location of the practice hall:** The travel time to the practice hall should normally not take more than 30 minutes from the official hotel.
- 9.1.6. **Timetable:** A form must be sent out to participating Members who have entered Players requesting their practice requirements. A detailed schedule shall be drawn up on this basis and if a Member does not respond they should be scheduled in the timetable. This timetable should then be distributed to all participating Members so they can plan in advance of traveling. The practice schedule must be approved by the Referee in advance of the Tournament.
- 9.1.7. **Practice on Competition Courts:** Once entries are known the time available for each Player for practice on the Competition Courts must be calculated. It should be the aim that each Player gets a minimum of 30 minutes on the Competition Courts before the start of the Tournament. The Practice schedule for the Competition Courts must be approved by the Referee in advance of the Tournament.

## 10. Doping test facilities – All Grade 1-3 Tournaments:

- 10.1. It is a requirement that there shall be two rooms / distinct and separate areas – 1) a waiting room and 2) a processing room together with toilets for sample collection (one for men and one for women) in accordance with the requirements below. All rooms must be clean, well-lit and well laid out for people waiting for sample collection.
- 10.1.1. Location: Near mixed zone / where the players come off the Field of Play.
- 10.1.2. Signage: Signs clearly directing people to the rooms and a sign clearly identifying “Doping Control”.
- 10.1.3. Two Rooms: One Waiting Room and one Processing Room with attached bathrooms – one bathroom/toilet for men and one separate bathroom / toilet for women. The toilets must be large enough to allow for supervision of the player by the chaperone – i.e. two people in the cubicle at the same time. The rooms must be accessible by wheelchair.
- 10.1.3.1. **The Waiting Room Furniture must have:**
- 2 office tables – one for filling in forms and 1 for processing
  - 6 chairs
  - 4 ‘easy’ chairs or sofas – comfortable seats for players to sit on
  - Reading material
  - Walls decorated with posters of the event / players etc.
  - 1 refrigerator for keeping beverages (lockable)
  - Supplies of still water, soft drinks in sealed cans or sealed bottles – or in containers as advised/recommended by the BWF and the National Anti-Doping Organisation (NADO)

- 1 big dustbin (cans/bottles garbage)

**10.1.3.2. The Processing Room Furniture must have:**

- 1 office table
- 4 chairs
- 1 refrigerator for keeping samples
- 2 dustbins (medical garbage)

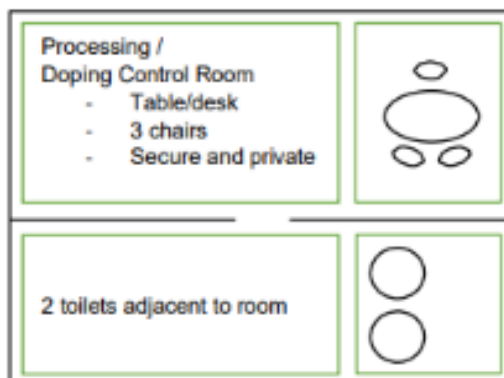
**10.1.3.3. The Toilet Area must have:**

- Wash basin – running water
- Towel stand / rack
- Paper towels
- 1 big dustbins (medical garbage)
- 1 liquid soap

**10.1.3.4. The Doping Control Facility must:**

- have a waiting area / waiting room.
- have a sample collection room.
- have a toilet facility which allows a chaperone to directly observe a competitor providing a urine sample.
- be solely reserved for doping control purposes.
- only enable authorised personnel to access it.
- be secure enough to store doping control / sample collection equipment.
- be private enough to maintain athlete privacy and confidentiality.

**10.1.3.5. Minimum Requirements**



**11. Classification Room (for tournaments with classification)**

- 11.1. Classification room should be hosted at the competition / practice venue. The following facilities must be provided by the Host and be ready at least one (1) day

before the first day of classification. It must be inspected by the classifier team before the classification meeting. The arrangement should have these items:

- Waiting area with chairs or sofas
- Classification room – must be next to the waiting area. A room that is at least 4m x 4m in area. A sport wheelchair must be able to go into the room and manoeuvre within the room.
- It is **recommended** that the Classification room be a short walking distance to a wheelchair court.

#### 11.2 Equipment in a Classification Room

- Examination bench, moveable in height.
- moveable examination chairs without back, moveable in height if possible
- 1 big table for administration with 4 normal chairs
- 1-2 screens (for privacy)
- Protection paper for the bench
- Disinfection liquid for the bench and hands
- Unsterile gloves
- Computer that is linked to a printer
- Coloured tapes

11.3 If there are two classification teams, two classification rooms with the same equipments will be required.

11.4 A minimum of one (1) wheelchair court needs to be allocated to the classifiers to assess the players. This court must be the closest to the Classification room. Practice schedule for team must not include this court (except after all Classification is completed or if the Classifier team does not require its use anymore).

#### 11.5 Classification Meeting Room

11.5.1 The meeting room must be accessible for wheelchair users.

11.5.2 The meeting room should have:

- Computer & Projector
- Large Screen
- Table & Chairs (enough for 2 representatives per team)
- Microphone

## 12. Other requirements

### 12.1. Medical Personnel

12.1.1. **Grade 1 and Grade 2 Level 1 Tournaments, Regional Multisport Games:** It is a **requirement** that a doctor or qualified paramedic, who is experienced in sports medicine, be available at court-side at all times during play to go on court and assist Players to diagnose on-court



injuries. It is furthermore a requirement that a Physiotherapist also be available at all times during the Tournaments.

12.1.2. **Grade 2 Level 2 and 3 and Other BWF sanctioned tournament**

A doctor, physiotherapist or first aid personnel must be available at all times during the Tournaments.

12.2. **Players Lounge/Rest Area**

12.2.1. **Grade 1, Grade 2 Level 1, Regional Multisport Games:** It is a **requirement** that a separate Players' lounge/area be available within or in close proximity to the competition venue, where Players can rest without being disturbed by general public. The Players' lounge/area must include reasonable amount of appropriate drinks and refreshments.

12.2.2. **Grade 2, Levels 2-3:** It is **recommended** that a separate players lounge/area is available within or in close proximity to the competition venue, where Players can rest without being disturbed by general public. It is recommended that the lounge/area include reasonable amount of appropriate drinks and refreshments.

12.3. **Wheelchair and prosthesis repair service**

12.3.1. **Grade 1, Grade 2 Level 1 and 2, Regional Multisport Games:** It is a **requirement** that wheelchair and prosthesis repair service is available at the venue for players one day before the competition begins to the final day.

12.3.2. **Grade 2 Level 3:** It is a **recommended** that wheelchair and prosthesis repair service is available at the venue for players one day before the competition begins to the final day.

**13. General**

13.1 Subject to the specific exception as set out in the Regulation, these specifications shall be enforced by the BWF in connection with the organisation of the International Tournaments

13.2 In exceptional circumstances, the Referee may vary these requirements.

13.3 It is essential that all aspects of health, safety and security for players, officials and spectators are in accordance with (local) Government Regulations.