

SPECIFICATIONS FOR INTERNATIONAL STANDARD FACILITIES

In Force: 14/10/2019



The requirements stated in this Section are the minimum requirements for BWF Sanctioned 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. **Olympic Games, YOG, Grade 1 (BWF Tournaments/Major Events, except Tournaments for seniors) and Grade 2, BWF World Tour Level 1-5**
 - 1.1.1. It is a **requirement** that the minimum height from the floor over the full court be 12 meters.
 - 1.1.2. The required height **shall** be entirely free of girders and other obstructions over the area of the court.
- 1.2. **Other BWF Sanctioned Tournaments**
 - 1.2.1. It is a **requirement** that the minimum height from the floor over the full court be nine 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. **Olympic Games, YOG, Grade 1 (BWF Tournaments/Major Events, except Tournaments for seniors) and Grade 2, BWF World Tour Level 1-6.**
 - 2.1.1. It is a **requirement** to have a wooden sprung floor, or equivalent subfloor for the Badminton Court Mats. BWF has the authority to approve any equivalent surface to a wooden sprung floor.
 - 2.1.2. It is a **requirement** that all matches are played on approved Badminton Court Mats (minimum approval level 1B according to the [BWF Equipment Approval Scheme](#)).
 - 2.1.2.1 All Grade 1 and 2 Tournaments (recommended for Grade 3 and Junior International 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.
 - 2.1.3. 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.
 - 2.1.4. Competition Courts must always be laid down side by side.
- 2.2. **Other BWF Sanctioned Tournaments**
 - 2.2.1. It is a **recommended** to have a wooden sprung floor, or equivalent surface, together with approved non-slip mats. BWF has the authority to approve any equivalent surface to a wooden sprung floor, if necessary.

- 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 Grades 1-3:** It is a **requirement** to have BWF approved nets and net-posts.
- 3.2. **Umpires Chair – All Tournaments Grades 1-3:**
- 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. **Fixed Height Service Measuring Device – All Tournaments Grades 1-3, Junior International Tournaments, and Continental Championships:** It is a **requirement** that the BWF approved fixed height service measuring device be used by the Service Judge. It is recommended that at least two of these devices are supplied per court.
- 3.4. **Service Judge Chair – All Tournaments Grades 1-3:** 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.
- 3.5. **Line Judge Chairs – All Tournaments Grades 1-3:** 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 – Olympic Games, YOG, Grade 1 (BWF Tournaments/Major Events, except Tournaments for seniors) and Grade 2, BWF World Tour Level 1-5.**
- 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. 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 2 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 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 – Olympic Games, Grade 1 (BWF Tournaments/Major Events, except Tournaments for seniors) and Grade 2, BWF World Tour Levels 1-5.**
 - 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 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 and Olympic Games 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. **Olympic Games, YOG, Grade 1 (BWF Tournaments/Major Events) and Grade 2 (BWF World Tour Level 1-6)**

- 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 3 Tournaments and International Junior Tournaments Under 19**

- 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.

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

9.1. **Olympic Games, Grade 1 (BWF Tournaments/Major Events, except Tournaments for seniors) and Grade 2, BWF World Tour Level 1-5 and Level 6)**

- 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 two days before competition:

	Grade/Level of Tournament			
	Olympic Games	Grade 1	Grade 2 – Level 1-5	Grade 2 – Level 6
Warm Up courts	Mandatory	Mandatory	Mandatory	Mandatory
Minimum Warm up courts	4	2	2	1
Practice courts	Mandatory	Mandatory	Mandatory	Mandatory
Minimum Practice courts	8	8 or as per Host contract	8	4

Day	Tournament Status	Practice hours (if requested)	No. of courts required
Saturday	Players arriving	08:00 – 22:00	8 (Level 6 – 4)
Sunday	Players arriving	08:00 – 22:00	8 (Level 6 – 4)
Monday	Players arriving	08:00 – 22:00	8 (Level 6 – 4)
Tuesday	Qualifying or main draw in progress	08:00 – 22:00	8 (Level 6 – 4)
Wednesday	Main draw in progress	08:00 – 22:00	8 (Level 6 – 4)
Thursday	Main draw in progress	08:00 – 22:00	8 (Level 6 – 4)
Friday	Quarter-finals	08:00 – 22:00	8 (Level 6 – 4)
Saturday	Semi-finals	08:00 – 22:00	8 (Level 6 – 4)
Sunday	Finals	08:00 – 22:00	8 (Level 6 – 4)

- 9.1.2. The practice court requirements noted assume a full entry to both the qualifying and the main draw in a Tournament. The number of courts provided can be reduced proportionately on the first two days if there is less than a full entry.

- 9.1.3. 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.
- 9.1.4. **Height of practice hall:** The minimum height in the practice hall shall be nine metres.
- 9.1.5. **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.
- 9.1.6. **Location of the practice hall:** The travel time to the practice hall should normally not take more than 30 minutes from the official hotel.
- 9.1.7. **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.
- 9.1.8. **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.
- 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)

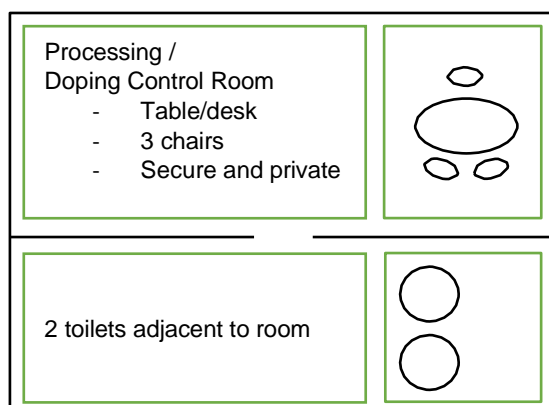
10.1.3.3. The Toilet Area must have:

- 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. Other requirements

11.1. Medical Personnel

11.1.1. **Grade 1 and Grade 2, Levels 1-4 Tournaments:** 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.

11.1.2. **Grade 2, Levels 5-6 and all Grade 3 Tournaments:** A doctor, physiotherapist or first aid personnel must be available at all times during the Tournaments.

- 11.2. **Changing facilities – All Grade 1-3 Tournaments:** All venues must have separate changing rooms for males and females, and must offer shower rooms.
- 11.3. **Players Lounges/Area**
 - 11.3.1. **Grade 1 and Grade 2, Levels 1-4:** 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.
 - 11.3.2. **Grade 2, Levels 5-6:** 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. General

- 12.1. Subject to the specific exception as set out in the Regulations, these specifications shall be enforced by the BWF in connection with the organisation of the International Tournaments.
- 12.2. In exceptional circumstances, the Referee may vary these requirements.
- 12.3. It is essential that all aspects of health, safety and security for Players, officials and spectators are in accordance with (local) Government Regulations.