

- Media Tribune
- Accredited Event Participants Seating
- VIP and Sponsors
- Section to be sold primarily
- Section to be sold secondarily
- Medical Seats

**Volleyball World**  
**VENUE and SITE PLAN**

NOTE: Representational Only - Not to scale  
 REVISED: Aug 2025

- 1** General areas/spectator stands may be used for Accredited Event Participants Seating. Total number of seats reserved in that section should be adjusted based on event needs, and the entire block as shown on this plan may not be required.
- 2** Camera positions are tentative and will be confirmed for each event by VW.
- 3** Video Challenge System working position to be located at an area facing the first referee. See detailed explanation below.
- 4** Teams Statisticians position can be on either side of the stands. Positions on both sides may be required depending on total number of participating teams.
- 5** TV commentary position should be next to Camera 1, either to the side of it, above it, or just below it. TV graphics operator working position should be close to Camera 1 and TV commentary.
- 6** An existing control room of the venue can be used for E & E and Production Area. See detailed explanation below.
- 7** VIP and Sponsors Seating size and location to be adjusted based on event needs.
- 8** Media Tribune size and location to be adjusted based on event needs. See detailed explanation below.
- 9** Medical Seats should be at FOP level, off camera view and provide direct access to the ambulance.

Drawn by: WCL	Date: Jan-2022
Revised: Tadokoro	Date: 01-Aug-25
Scale: 1:300	Size: TABLOID(A3)

Note:  
This drawing is intended to be representational only. Individual venues will vary.

# VOLLEYBALL WORLD VENUE and SITE PLAN

REVISED: Aug 01, 2025



## SECTION TO BE SOLD PRIMARILY

- Ticket sales should start with this section
- Tickets to be sold from front row to the back
- The primary goal is to fill the stands in the TV camera view

## SECTION TO BE SOLD SECONDARILY

- This section should be available for ticket purchase after the TV view stands are sold
- Ticket sales should start from front row to the back

## MEDIA TRIBUNE

- Not visible on TV
- Located on main TV camera side
- Easily accessible from other media areas
- Number of seats, tables and equipment as per event rider

## REFEREE COACH SEATING

- Working position to be located at the same spot as Video Challenge System station
- Table and chair
- Power plugs and internet connection

## ACCREDITED EVENT PARTICIPANTS SEATING

- Approximately 50 seats
- Seats not visible on Camera 1
- Area protected from spectators

## VIP AND SPONSORS

- Not visible on Camera 1
- Easy access to VIP/ Hospitality area



## CAMERA PLAN

- Camera plan to be provided by VW for each event separately.



## TV COMMENTARY POSITION

- Not visible on TV
- TV Commentary position should be next to Camera 1, either to the side of it, above it, or just below it.
- Position to offer unobstructed and the best possible view onto the Field of Play



## TV GRAPHICS OPERATOR WORKING POSITION

- Working position to be close to Camera 1 and TV commentary
- Minimum 300 x 70 cm table
- 3 chairs
- Power plugs and internet connection as per the Rider



## TEAMS STATISTICIANS

- Short side (left or right.)
- Elevated and centered position
- Not visible on Camera 1
- 1 seat reserved for every participating team and 2 seats reserved for every team playing the match
- If possible, easy access to the FOP



## MEDICAL SEATS

- Medical seats to have a direct view of the court as well as quick access to the FOP in case of any emergency.
- Not visible on Camera 1
- 6 seats in total needed for the following people:
  - Team A Medical personnel x 1 seat
  - Team B Medical personnel x 1 seat
  - Local First Aid Crew x 3 seats
  - Medical delegate x1



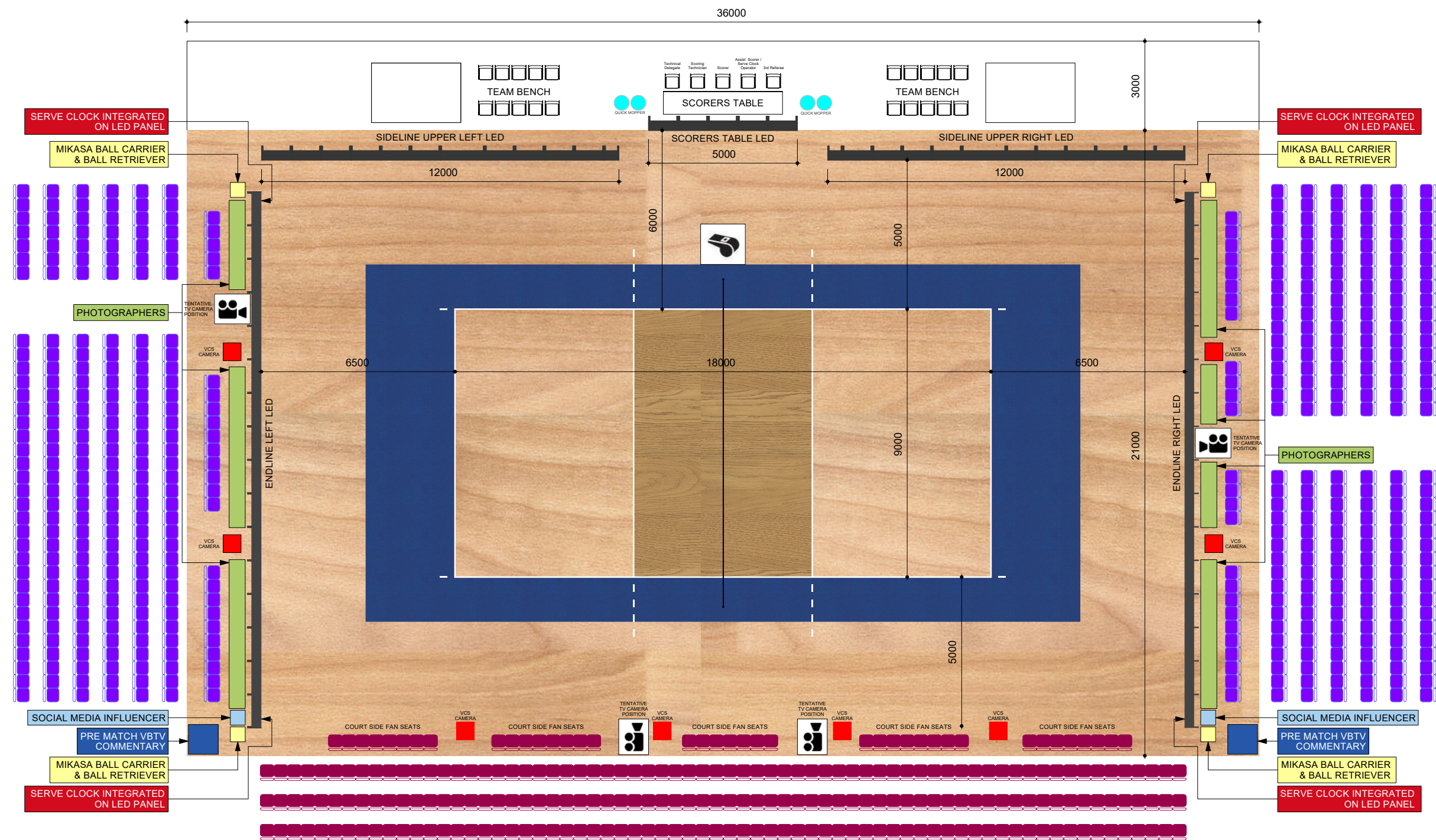
## VIDEO CHALLENGE SYSTEM

- Clear and unobstructed view of the entire FOP
- Direct line of sight of the 1st referee
- Elevated position/Not on FOP Level\*
- Adequate space (5m x 3m) with 5m of desk space and 5 chairs (1 has to be a high chair/high stool for the Challenge Referee)
- A secure area away from the public
- Screens must be out of view of spectators and broadcasters
- Elevator access to the operations area level
- Easy access to FOP (within 80m)
- Easy to connect to OB facilities



## ENTERTAINMENT & ENGAGEMENT (E&E) and PRODUCTION TABLE

- Not visible on TV.
- A dedicated production area secured on the spectator stands or a production booth (such as a control room of the venue) must be provided for sound, lights, and entertainment.
- In case the location is on the spectator stands, it must be secured with no spectator access.



# FOP LAYOUT

REVISED: Aug 01, 2025

NOTE:  
 'Seat Kills' due to tentative TV camera positions are only for illustration purposes. The cameras should be embedded in the audience and the seat kills should be optimised considering sightlines.

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Scale: <b>1:150</b>	Size: <b>TABLOID(A3)</b>

# AVC Rider – Appendix E – Competition Court, Training Court and Fitness Gym Technical Equipment List

## 1. COMPETITION VENUE

### 1.1 Competition Hall and Sport Equipment

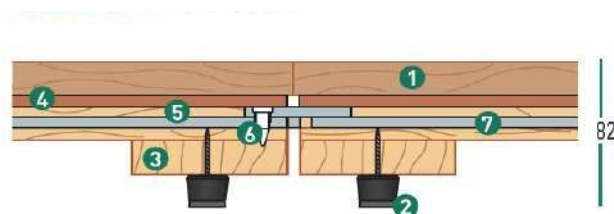
Technical Aspects and Sport Equipment	Requirement
Area free of obstacles	35 x 24 meters
Light Intensity 1 m above floor	2000 lux
Height of free space	min 12.5 meters
Free Zone	
→ Sidelines	5 m
→ End lines	6.5 m
Homologated synthetic floor cover	Gerflor AVC Specific
Technical Table & seats	1 table & 5 seats
Ice machine	Mandatory with a minimum capacity of 15kg/team/day
Match balls - MIKASA V200W	10 new balls per match
Pre-match warm-up balls - MIKASA V200W	At least 20 balls per team
Ball Carriers - MIKASA	6
Ball weight and measuring device	1
Ball pressure gauge	1
Ball circumference device	1
Ball hand pump & needles	1
Ball pump – electronic	1
Net (45 mm <sup>2</sup> mesh) - SENOH	1
Net antennae - SENOH	1 pair
Posts - SENOH	1 pair
Pads - SENOH	1 pair
Pads covers - SENOH	1 pair
Referee chair - SENOH	1
Net measuring rod – 2.5 m long	1
Manual scoreboard – Technical Table	1
Team Benches	2
Team Bench Buzzers – Mid Rally Challenge	2
Electricity connection available at team benches	2 outlets at each bench
Internet connection available at team benches	2 LAN cables at each bench
Towels for floor moppers	30
Stools for ball retrievers and floor moppers	10

Thermometer	1
Hygrometer	1
Luxometer	1
Line-up & Libero sheets (backup)	min 4 copies per match (with 5 sets)
Subfloor	Requirement
Flooring	Wooden or FIVB approved Min thickness 20 mm / width 57 mm
Flat and even surface for the complete area free of obstacles	Required
Resilience	Min 18 mm shock absorption pads
Subfloor construction	Full sleeper and panel subfloor framing with laminated double sleepers
Locking system	Panels of 1.23 m x 2.14 m – Weight: 80 kgs
Performance	Shock absorption > 50% Vertical deformation < 5 mm Ball bounce > 90% Abrasion resistance < 0.08 g Impact resistance > 8 N/m Indentation resistance < 0.5 mm Resistance to fire Resistance to wear

### Example Images



- 1 Wooden strips (20 mm x 57)
- 2 Resilient Pads (18 mm)
- 3 Laminated (19 mm x 89 mm) Sleeper
- 4 Subfloor (7 mm)
- 5 Full Subfloor Frame
- 6 Quick Pin
- 7 Continuous Steel Tongue



Reserve Equipment	Requirement
Net (45 mm <sup>2</sup> mesh) - SENOH	1
Net antennae - SENOH	1 pair
Posts - SENOH	1 pair
Post padding - SENOH	1 pair
Net measuring rod – 2.5 m long	1
Libero replacement jackets (in case of injury)	2
Line tape – white colour and Gerflor color	1 roll
Manual scoreboards (to replace electronic scoreboard in case of breakdown)	1 pair
Long mop	1
Seating Allocations	Requirement
VCS Operators' working position  <i>*to be inspected together with the FIVB Referee Coach (if any) and the VW Event Supervisor</i>	<p>4m x 3m space:</p> <ul style="list-style-type: none"> <li>• With direct sight of the entire court and 1<sup>st</sup> ref within 50m of the court</li> <li>• With tables &amp; chairs for 4 people</li> <li>• Air-conditioned if in a closed space</li> <li>• No obstruction to view of court – fan seating</li> </ul>
Team Statisticians' working position	<p>Located in the tribune behind the service line. <b>(not allowed on the Field of Play)</b> Number of seats available: 2 for teams playing and 1 for non-playing teams. incl. power supply for laptops and printer. 2 stream cables provided.</p>
Team Video Camera area	Min 6m x 2.5m
Local VIS Manager	Same location as for Team Statisticians, incl. power supply for laptops and printer 2 seats for the Local VIS Manager.

## 1.2 Game Technology

Field of Play Technology	Requirement
Referee communication system - with 6 headphones (Vokkero Elite recommended) and option to connect to competition venue PA system	1 set

Video Challenge System	<ul style="list-style-type: none"> <li>• 15 cameras on the field of play surrounding the Playing Area</li> <li>• 12 cameras on upper tiers of stadium</li> <li>• 8 desktop PCs</li> <li>• Cabling</li> </ul>
Team Tablets by Official Scoring Provider	1 per team, next to the team's benches
Printer and laptops for E-Scoresheet and Officials Statistics	1 printer and 2 laptops, plus: <ul style="list-style-type: none"> <li>• power and USB cables</li> <li>• printer paper and supplies</li> </ul>
Serve Clock Monitors	Integrated into the LED panels in each corner of the FoP
Electronic Scoreboard	Requirement
Number	Minimum 2 required – 4 recommended
Type of display system used	VolleyStation
Live TV Feed and Scoreboard	Separate Boards Recommended if 4 screens available
Name of the participating teams	Mandatory
Service indicator	Mandatory
Time-outs granted per team	Mandatory
Substitutions made by each team	Mandatory
Score of current set	Mandatory
Score of previous set(s)	Mandatory
Challenges remaining	Mandatory

### 1.3 Changing Rooms

Teams' Changing Rooms	Requirement
Number	4
Dimension	30 m <sup>2</sup>
Showers	4
Massage table	1
Toilets	3
Lockers	15
Chairs and benches	20
A/C - Adjustable Temperature	Yes
Ice Machine	mandatory
International Referees' Changing Room	Requirement
Number	1 per gender
Dimension	20 m <sup>2</sup>
Showers	2 per room

Toilets	1 per room
A/C - Adjustable Temperature	Yes
Lockers	6 per room
Tables and chairs	1 table + 5 chairs per room
<b>Referee Lounge</b>	
	<b>Requirement</b>
Dimension	24 m <sup>2</sup>
Coffee tables with comfortable chairs	1 table + 8 chairs
Air-condition	Mandatory
Catering	Mandatory
<b>NTO's Changing Room</b>	
	<b>Requirement</b>
Number	1 per gender
Dimension	20 m <sup>2</sup>
Toilets	1 per room
Lockers	5 per room
Chairs and benches	5 per room
<b>Ball Retrievers &amp; Moppers' Changing Rooms</b>	
	<b>Requirement</b>
Number	1 (both genders)
Dimension	20 m <sup>2</sup>
Showers	1
Toilets	1
Chairs and benches	5

## 1.4 Working Rooms

<b>FIVB/VW Office</b>	
	<b>Requirement</b>
Dimension	30 m <sup>2</sup>
Coffee tables with comfortable chairs	3 tables + 12 chairs
Air-conditioning	Mandatory
Catering	Mandatory
Laser printer	1
Wi-Fi connection	Mandatory
<b>Local Organizer Operations Office</b>	
	<b>Requirement</b>
Dimension	50 m <sup>2</sup>
Coffee tables with comfortable chairs	Sufficient number of working tables and chairs
Air-condition	Mandatory
Laser printer & high-speed photocopier	1
Wi-Fi connection	Mandatory

## 1.5. Warm-Up Court (mandatory if only 3hrs between matches)

Warm-Up Court	Requirement
Access to the playing court	Direct
Total number of warm-up courts	2
Halls or with separations	2
Flooring	Taraflex (Gerflor recommended)
Height of free space	min 7 meters
Free of obstacles	24 x 15 m
Lighting	Min 500 lux
Heating	mandatory
Air conditioning	mandatory
Communication device with playing court	mandatory
Balls - MIKASA V200W	20 balls per team
Ball carriers - Mikasa	4
Posts, nets, antennae	FIVB Homologated
Net measuring rod – 2.5 m long	1

## 1.6 Warm-Up Areas (mandatory if only 3hrs between matches and no warm-up court is used)

Warm-Up Area (per team)	Requirement
Number	2
Area	80 - 100 m <sup>2</sup>
Height	> 4m
Flooring	Taraflex, synthetic flooring, sports floor, wooden/parquet
Lighting	Min 500 lux
Climate controlled zone	Individually or part of a larger space
Location and orientation	Physical separation between the two areas or acceptable distance
Stretching mats	10 per team
Mikasa V200W	20 balls per team
Water	Available
Distance from the competition court	< 100m

## 2. TRAINING VENUE

### 2.1. Technical and Sport Equipment

Technical Aspects and Sport Equipment	Requirement
Area free of obstacles	34 m x 19 m
Playing area	18 m x 9 m
Height free of obstacles	min 10 meters
Floor	Gerflor taraflex
Under flooring	wooden beams with non-slip paint or absorbent material
Lighting	Min 500 lux
Heating	mandatory
Air conditioning	mandatory
Posts, nets, antennae	FIVB Homologated
Match balls - MIKASA V200W	40 balls available per training session
Ball carriers - Mikasa	2
Net measuring rod - 2.5 m long	1
Ice machine	1
First aid room	At each Training Hall
Distance from the Teams' Hotel	No more than 15-minute drive away

### 2.2. Teams Changing Rooms

Changing Rooms	Requirement
Number	2
Lockers	15
Benches/chairs	15
Massage table	1
Showers	4
Toilets	2

## 3. FITNESS GYM

Technical Aspects	Requirement
Size	Ideally 400 m <sup>2</sup> if not exclusive to teams. Should allow all 14 players to be able to train comfortably simultaneously.
Warm-Up/Stretch/Core area	Adequate space to be provided
Location	At the training or competition venue, or at a facility located no further than 15 driving minutes from the hotel, or volleyball venues.
Equipment	Requirement
Squat racks w/ Olympic barbell at each rack	4
Weights to accompany squat racks (4x25kg/rack, 4x20kg/rack, 2x10kg/rack, 2x5kg/rack, 2x2.5kg/rack)	2 sets
Barbell collars (2/rack, 2/platform)	1 set
Dumbbells (ranging from 2.5kg/5lbs - 45kg/90lbs in 2.5kg/5lb increments)	1 full set
Bench press	2
Adjustable benches	2
Medicine balls (ranging from 3kg-10kg (in 1 kg increments))	1 full set
Adjustable height cable/pulley system	2
Lat pulldown machine	2
Seated row machine	2
Leg press	2
Prone leg curl machine	2
Seated leg extension machine	2
Spin bikes	5
Treadmills	2
Elliptical machines	2
Smith machine	2
Pull-up bar	2
Box jump	4
Floor mats	20
Swiss ball	4
Kettlebell (ranging from 6kg - 20kg)	1 full set
Pvc or wood stick (1m50cm long)	5
Trap bar	2

## MEDICAL CHECKLIST 2023 FIVB Volleyball Events

<b>Event:</b>		<b>Country:</b>	
<b>Dates:</b>			

### A. Medical Services Area

<b>Requirements:</b>	Minimum of 30 m <sup>2</sup> with at least one bed, basic medical equipment, basic first aid equipment, defibrillator and oxygen, equipment to assess and treat dehydration and hyperthermia (including intravenous treatment), stretcher(s), ice machine, 1 massage table, 1 table, 1 chair and telephone. Please note that it must be protected from the open air and climate controlled.
<b>Description:</b>	
<b>FIVB approval:</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO

### B. Ambulance

<b>Requirements:</b>	Ambulance equipped for advanced cardiopulmonary resuscitation (including defibrillator), always available, as close as possible to the venue, located on the same side as the medical area. The ambulance shall be onsite as of the first official activity of the competition.
<b>Description:</b>	
<b>FIVB approval:</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO

### C. Doping Control Section

<b>Requirements:</b>	Minimum of 40 m <sup>2</sup> , divided into 3 sections (25 m <sup>2</sup> waiting room, 15 m <sup>2</sup> sampling room, and 2 toilets, one per gender). The Doping Control station should be equipped with tables and chairs in waiting and sampling rooms together with a refrigerator (with locker), bottled soft drinks, bottled water and refreshments.
<b>Description:</b>	
<b>FIVB approval:</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO

### D. Medical Director

<b>Requirements:</b>	Medical director must be physician trained in sports medicine. CV and contact information must be received 2 months before the event, indicating the doctor's training in sports medicine.
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Name, mobile #, e-mail & qualifications of medical director (CV to be enclosed):	Name:
	Mobile phone number:
	Email address:
FIVB approval:	<input type="checkbox"/> YES <input type="checkbox"/> NO

### E. Other medical personnel

Requirements:	At least two (2) medical doctors on duty at the venue whenever there is training or competition (for events with more than one venue, it is required to have at least one doctor at all court locations, including training halls). Doctors should be onsite 1h before the first official training and 30 minutes after the last match of the day or the last official activity of the competition. One doctor available on 24-hour duty to cover the athlete and officials' hotels.
Description:	
FIVB approval:	<input type="checkbox"/> YES <input type="checkbox"/> NO

### F. Hospital

Requirements:	Assigned hospital and trauma centres near the venue for emergency specialist care and hospitalization.
Name & capacity of hospital:	Name:
	Phone number:
Distance from venue:	
FIVB approval:	<input type="checkbox"/> YES <input type="checkbox"/> NO

### G. Material for referees' controls

Requirements:	1. Referees Equipment for Alcohol tests, in case of need. 2. Space to allow for referee medical controls (M-6). This room must be equipped with a calibrated weight scale, height rod, Snellen vision chart and blood pressure monitor.
Description:	
FIVB approval:	<input type="checkbox"/> YES <input type="checkbox"/> NO

FIVB comments:	..... ..... .....
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*To be submitted to the FIVB Medical Department 2 months prior to the event and verified on site by the Medical Delegate and/or Technical Delegate.*

# AVC Rider – Appendix G – VCS Technical Requirements

## **Operations Area Requirements**

VCS would ideally be positioned in a commentary booth or equivalent with dimensions of approximately 3 x 4m within 50m of the court. The location should have a direct and unobscured line of sight to the court, and would ideally be positioned with easy access for wheeled cases (i.e. minimal stairs or a lift to reach the area). Specific requirements below:

1. Power:
  - a. Dedicated technical power (230V 16A or 100-120V 32A minimum);
  - b. Provided on 2 x IEC strips with a minimum of 4 x outputs per strip. If IEC can not be provided then cables that can plug into the power strip that have an IEC termination should be provided alongside the strips;
  - c. Power should be available from 3 days prior to the first match day.
2. Four chairs and two 2m desks at a sensible height.
3. Suitable air conditioning system to maintain an ambient temperature of 21 degrees Celsius;
4. A waste bin should be provided at the operational area;
5. Cable protection for all cables running back to the operational area (e.g. matting, yellow-jackets);
6. Cabled internet to the booth, provided on an RJ45-terminated ethernet cable, meeting the requirements described in the Internet Requirements section;
7. VCS supplier will provide an HD-SDI signal to enable integration with the big screen. Event should provide:
  - a. Suitable cabling from the big screen to the broadcaster location and any necessary signal conversion;
  - b. Big screen operator communication channel integrated into the broadcaster communications system to enable the line call operator to talk to both big screen and broadcast from the same talkback unit.
8. Two high-performance two-way radios w/ chargers, or access to wifi within the venue to allow free communication between VCS crew members whilst setting up;
9. Storage of up to 9 x VCS supplier's flight cases of 920 x 520 x 450 mm before the arrival of operators on-site, during the event, and post-event until they are collected for onward travel;
10. A challenge referee tablet (ETT).

## **Internet Requirements**

There are some specific internet requirements that are crucial to the correct running of the system:

1. Guaranteed minimum 650Mbps upload, 120Mbps download speed, dedicated for VCS use (i.e. not affected by other providers, or fans);
2. Redundant internet connection providing the same guaranteed minimum, in case of a failure on the primary route;
3. Internet should be available from 3 days prior to the first match day, until the end of the tournament, 24 hours per day;

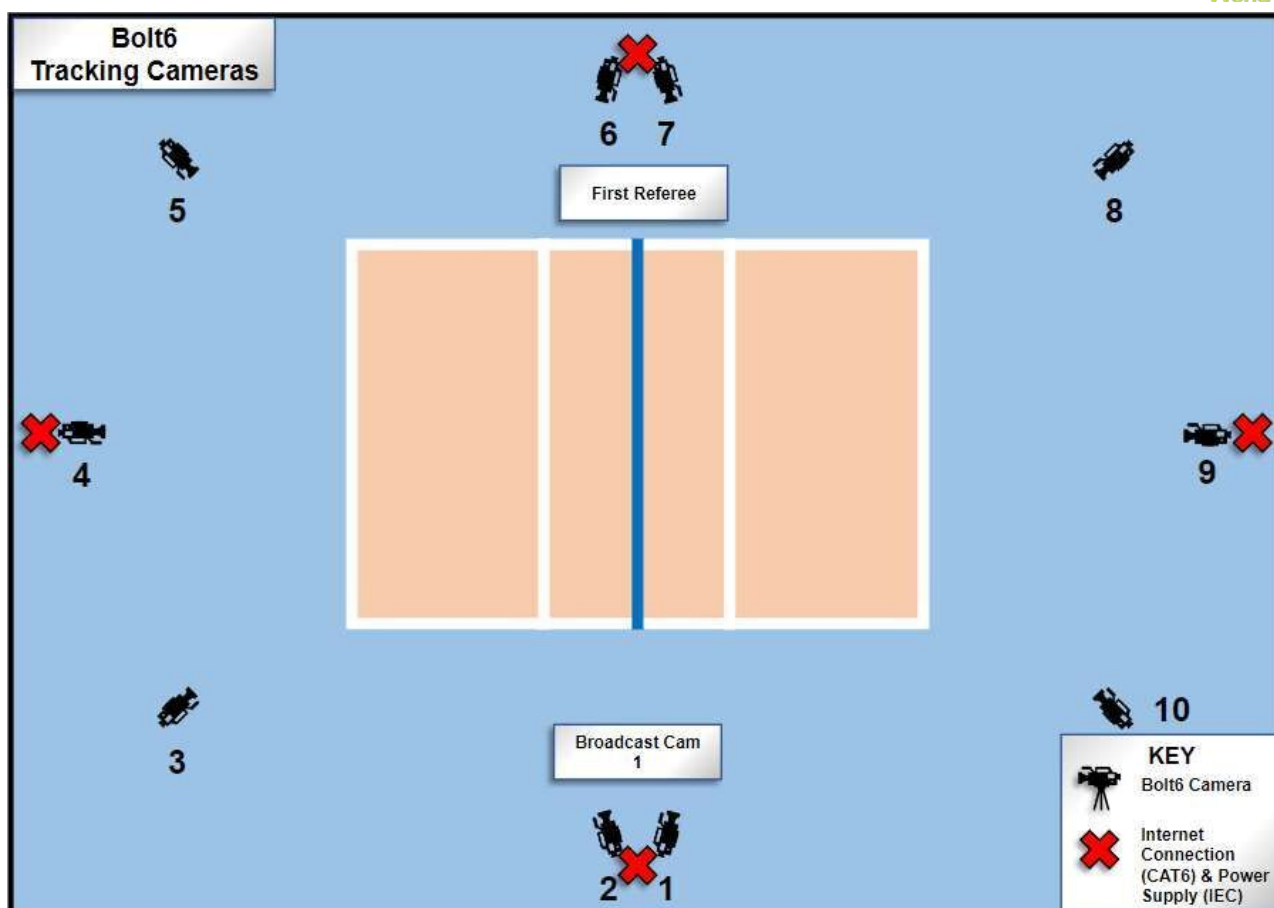
4. Internet should provide reliable IPv4 communication;
5. Internet should be provided as a dedicated DHCP network with a minimum of 36 internal IP addresses.
6. No restrictions or regulations such as firewalls, port restrictions, network shaping. No block on any internal traffic to the internet on port 7000 and 7001, both TCP and UDP.
7. Internet drops should be provided at the locations marked in the Court Requirements and Line Calling Requirements sections below, with additional internet drops at the VCS booth (as described in the Operations Area Requirements, above) and the broadcaster location. If the data cable to these internet drops exceeds 100m it may be necessary to use fibre optic cable in which case the event should supply fibre optic to RJ45 Media Converters or configured SFPs.

## **Court Requirements**

VCS supplier will provide 12 colour officiating cameras positioned around the court on tripods, often behind floor-level advertising hoardings. On the day prior to the tournament starting, the provider will require a minimum of 2 hours court time to set-up the cameras and test the system in place.

The diagram below shows the relative placement of the courtside equipment with respect to the playing area. Two dedicated power sockets are required at the locations marked with the red cross; these will require the specifications detailed in the Operations Area Requirements section and must be in place at a minimum of three days prior to the first match. At the same location the provider requires an RJ45-terminated CAT6 cable with access to the internet, meeting the requirements in the Internet Requirements section. Power is also required at the first referee's net post, to allow the tablet to be powered.





Some examples of typical camera mounting are below:



## Requirements

1. Photos of the venue and seating at least 3 months prior to VCS's crew arrival, to allow agreement on the positioning of tracking cameras;
2. Contact details of the relevant people at the stadium and the local organising committee to grant permission for the mounting of cameras in the locations identified from the above photos, and organise cordons as appropriate to protect the cameras from the public;
3. Access to an A-frame ladder, at a minimum of 6 feet high conforming to Class EN131 or equivalent to allow access to high camera positions;
4. Protection of cables (e.g. matting) run from the cameras to the court or operations area as appropriate;
5. 10 minutes of dedicated access to the court on each of the two days leading up to the beginning of competition, with the court under match lighting during these times;

6. Court floor laid, and the design/covering finalised for match days prior to VCS's crew court time;.

## **TV Broadcast Requirements**

The following outlines VCS's provision to, and requirements from, the TV broadcaster:

1. A schedule for TV Broadcast 'on air' timings and dates should be shared a minimum of one week in advance of VCS's arrival on-site, with relevant Broadcaster contacts, production manual, and call sheet;
2. VCS supplier will provide three SDI feeds, one for video challenges, one for line calls and full frame stats, and one chroma key feed for info bugs (serve, spike speeds etc.). We can provide these feeds in a variety of formats, however the format required must be communicated to VCS supplier at least two weeks prior to the event. These feeds should be frame-stored by the broadcaster, to ensure they are referenced correctly;
3. VCS supplier will provide an 8RU rack containing encoders and decoder for taking TV's SDI feeds and providing VCS's SDI outputs to TV. This should be placed in an airconditioned environment in the TV truck. The broadcaster should be responsible for providing and running the cabling from the TV truck to the location of the VCS supplier's rack;
4. The broadcaster should provide 2 x 16A power, on Ceeform-terminated cables, to the rack location;
5. The broadcaster should run the following feeds to be run to the Operations Area in HD-SDI format, and provide 2 small SDI monitors for the following feeds::
  - a. Tx x 2;
  - b. Camera 1 x 2
  - c. VCS return;
  - d. Chroma key return;
  - e. Line call return
6. The broadcaster should provide two small communication panels and 2 foot pedals with access to the Director, Producer and Engineering in the Operations Area;
7. The broadcaster should provide a small speaker and XLR cable to hear court effects (e.g. umpire's microphone), to be provided in the Operations Area.

## **Additional Requirements**

1. Tournament accreditation for access to:
  - a. Court;
  - b. Camera positions;
  - c. Broadcast area;
  - d. Operations area;
  - e. Meeting rooms.
2. Graphics of sponsors, advertising, including the court decal layout and anyother images required in the officiating outputs at least 2 weeks prior to the event.

## **System Set-up Timeline**

### **Three Months Before**

- Contact details of Venue Manager and IT Manager provided to VCS supplier;
- Site photos shared with VCS provider;

- VCS provider agrees camera positions with Venue Manager, and confirm IT infrastructure is suitable with IT manager, proactively flagging any issues that arise to VW.

## **Two weeks before**

VW provide:

- Graphics of sponsors, advertising or other images required in the virtual reality world;
- Contact details of the host broadcaster and camera plan where available.

## **One week before**

- Remote internet testing to take place once the internet line has been installed. A call between the provider and the On-Site IT team should be organised for this to take place.

## **Set Up – Match Day -3**

VW provide:

- Accreditation;
- Power and internet provided to all required locations;;
- Tables and chairs on the Operations Area;
- Suitable air conditioning in Operations Area;
- Class EN131 A-frame ladder, at a minimum of 6 feet high to access camera positions;
- Two high performance radios and appropriate chargers;
- Protection of cables being run back to the Operations Area/court-side.

VCS Set-Up Schedule:

- Mount tracking cameras in pre-agreed positions;
- Run cables to tracking cameras;
- Set-up Operations Area;

## **Set Up – Match Day -2**

VW to Provide:

- Minimum of 10 minutes court time with ability to modify lighting;
- Protection of cables being run back to the Operations Area from court-side.

VCS Set-Up Schedule:

- Set-up, run cables to, and align cameras on court level;
- Align and calibrate Tracking cameras;

## **Set Up – Match Day -1**

VW to Provide:

- Cabling for integration with Big Screen;
- Communications with the Big Screen operators;
- Minimum of 10 minutes court time with ability to modify lighting;

VCS Set-Up Schedule:

- System sign off at Dress Rehearsal;
- Integration with TV Broadcaster (arrival time dependent);
- Integration with Big Screen.

# AVC Rider – Appendix H – Scoring System Technical Requirements

## Operations Area Requirements

Scoring System Technician should be positioned at the Scorers Table. This position should be also close to benches and post, in order to operate in case of need.

Scoring System Cameras should ideally be positioned behind both short end lines of a court in a safe area, allowing to set up on a tripod or a clamp. The camera location should allow recording at an angle where the bottom tape of the net is between 3mt and 9mt line of the opposite side of the court. Scoring System Camera should be installed on a stationary platform to eliminate any shakes. Placing Scoring System Camera close to the TV Camera operator is a possibility. Scoring System Technician will cooperate with Local Host to find the best area for Scoring System Camera. Local Host is responsible for protection of the Scoring System Cameras when their location is close to the audience.

Scoring System Provider should receive an event playbook when available from the Local Host.

The below requirements should be in place two days prior to the first match day (or as otherwise arranged if access time for installation is restricted).

Scoring System Referee allows for paper-less work during the entire competition. All necessary signatures can be input directly on the computer, and our integration with FIVB VIS allows to directly upload confirmed and signed forms.

## Requirements

1. Power:
  - Dedicated Technical Power, distributed over 3x16 Amp CEE form sockets under the scorers table (230V if possible).
  - All provided power must be earthed to prevent damage.
  - The power should be made available to Scoring System two days prior to the first match day and at all times be dedicated for Scoring System use.
2. One chair for Scoring System Technician.
3. Cabled Internet, absolute minimum is 200 Mbit/s up and down. Spare cable run if possible.
4. Hardware:
  - Provided by Scoring System – see under Scoring System Equipment
  - Provided by Local Host :
    - 2x Printers (1x Printer as backup if utilising paper-less solution)
5. Serve Clock Operations:
  - Local Host has to provide additional laptop on the Scorers Table (FoP Area) and connection between LED Console and Scorers Table to send Serve Clock graphic.
6. Cables:
  - Provided by Scoring System :

- Sufficient cables for connecting Scoring System equipment.
- Provided by Local Host :
  - 2x LAN (RJ45 plugs) cables for each post to connect Referee tablets
  - 1x LAN (RJ45 plugs) cable for 3rd Referee tablet
  - 2x LAN (RJ45 plugs) cables for each bench to connect bench tablet
  - 1x LAN (RJ45 plugs) cable for Technical Delegate
  - 2x LAN (RJ45 plugs) cables from Team Statisticians area to both Team Benches
  - 2x LAN (RJ45 plugs) cables for IP cameras
  - 2x SDI Cable (BNC plugs) from Team Statisticians area to both VS Cameras
  - \* for cable length, please refer to Responsibilities of the Local Host

## **Responsibilities of the Local Host**

- Power supply for all equipment and accessories in Field of Play.
- Furniture- Table and Chairs.
- Cabling protection
- Cables (one end of every cable must be delivered to scorer table):
  - To provide the lay down underneath the taraflex, at the center line:
    - 1x 20mt (minimum) flat LAN cable (min. CAT6 S/FTP or SF/UTP) for 1st/2nd Referee post (cable should reach the top of the post).
    - 1x 10mt flat LAN cable (min. CAT6 S/FTP or SF/UTP) for 1st/2nd Referee post.
    - if this is not possible, to provide:
      - 1x 60mt LAN cable (min. CAT6 S/FTP or SF/UTP).
      - 1x 20mt LAN cable (min. CAT6 S/FTP or SF/UTP).
  - 2x 10mt LAN cable (min. CAT6 S/FTP or SF/UTP) for 3rd Referee and Technical Delegate.
  - 2x 20mt LAN cables (min. CAT6 S/FTP or SF/UTP) for Team benches.
  - 2x LAN (RJ45 plugs) cables from Team Statisticians area to both Team Benches (cable length depends on Team Statisticians area placement)
  - 2x LAN (min. CAT6 S/FTP or SF/UTP, PoE) cables for VS Cameras (cable length depends on VS Camera placement)
  - 2x SDI Cable (BNC plugs, 75 Ohm, allowing to send 3G-SDI signal [SMPTE 424M standard]) from Team Statisticians area to both VS Cameras (advise with TV Operator)
- Internet access (absolute minimum is 200 Mbit/s download and upload) LAN
- To provide contact and meet local IT Expert
- 2x Printers for Scorer and Scoring System Technician (1x Printer as backup if utilising paper-less solution):
  - Supporting AirPrint
  - With necessary power and USB cables
  - With printer paper and supplies
- Local Host to provide vehicle allowing to transport two Scoring System Equipment boxes and personal luggage from the airport to the hotel (for both arrival and departures).
- If Scoring System Provider and Local Host agree to send Scoring System Network equipment via a courier, additional requirements are as follows:
  - To provide address of the venue, name and phone number of person responsible for Equipment of Service Provider pick-up.
  - To pick-up Equipment of Service Provider from the courier.
  - To store Equipment of Service Provider in the Competition Venue.

## **Accreditation Requirements**

Scoring System Technician require tournament accreditation for access to:

- Field of Play
- Operations Area
- Broadcast Compound
- Teams Area

## **Scoring System Equipment**

Scoring System Technician will bring the following equipment to ensure stability and connectivity of the network system in the Field of Play. Scoring System Equipment fulfils all FIVB requirements, and was tested on a various indoor volleyball events.

- 1x Windows laptop and 1x LED Scoreboard on the official scorer's table
- 1x Windows laptop for FIVB Technical Delegate
- 1x Windows laptop as a backup
- 3x tablets for referees (1st Referee post, 2nd Referee post, 3rd Referee table)
- 1x tablet for Serve Clock
- 1x tablet for Sports Presentation
- 1x tablet for Commentator
- 1x tablet for MC
- 1x tablet for backup
- 2x tablets for coaches (1x per each team bench)
- 2x tablet stands (1x per each team bench)
- Ethernet connectors to tablets
- VS Network equipment: 1x router; 1x access point with switch; 1x switch;
- 1x wireless bridge (if needed by Local Host); sufficient cables for connecting VS Network eq.
- VS Camera equipment: 2x cameras, 2x SDI Splitters, 2x SDI-USB cards,
- 2x tripods; sufficient cables for connecting VS Camera eq.

## **System Set-up Timeline**

For an optimal 2-day installation period, Scoring System will typically follow this timeline.

### **Set Up – Match Day -3**

Arrival of the Scoring System Technician. Local Host to provide vehicle allowing to transport two Scoring System boxes and personal luggage from the airport to the hotel.

### **Set Up – Match Day -2**

Local Host to provide:

- Accreditation
- Necessary cables, as written above
- Power in Courtside (Scorer, Technical Delegate)
- Table and Chairs
- Internet at the Scorers Table

Scoring System Set up Schedule:

- Mount hardware and Scoring System Referee system
- Set-up in Field of Play
- Assist scorers if needed
- Assist teams if needed
- Find the best area for Scoring System Cameras (in cooperation with Local Host) if not provided earlier.

## **Set Up – Match Day -1**

Local Host to provide:

- Audio Cable to connect Scoring System Scoreboard (1 x 6.35 mm (1/4 inch) Audio Jack port) to venue mixer
- Printers

Scoring System set up schedule:

- Test Scoring System Referee system
- Attend the Dress Rehearsal

# AVC Rider – APPENDIX J – Media Guidelines

## GENERAL RULES

Members of the media accredited to Volleyball World events are required to act respectfully towards other media representatives, players, coaches, staff, organizers and volunteers. They must always act in accordance with international media and journalism ethics principles, maintaining high standards and professionalism.

All accredited media representatives are required:

- To always wear their accreditation badge, keeping it visible. The same applies to armbands/bibs provided to specific media groups (more details below).
- To closely follow all instructions given by Volleyball World and FIVB, the Local Organizing Committee as well as security.
- To follow the rules included in the Media Guidelines.
- not to cheer or display support for a specific team in any designated media area in a loud and disturbing manner (keep in mind that these are working areas).
- Not to behave in an abusive, threatening or aggressive way.

In the event of any violation of the conditions or non-compliance with on-site instructions, Volleyball World reserves the right to withdraw accreditation, with or without prior warning, and to deny accreditation for future events.

In case of any questions please contact: [media.accreditation@volleyball.world](mailto:media.accreditation@volleyball.world).

## Rights Holders (RH)

- Must be registered (and approved) for accreditation to receive “Media” accreditation at the venue.
- Should collect green media armbands from the appointed Venue Broadcaster Services Manager (VBSM) to have access to all relevant working areas.
- The RH should collect the branded microphone windshields from the VBSM for use during all interviews and stand-ups, including those in the Mixed Zone and on the court. Should verify their booking(s) for each event or tournament in advance, as access and content filming are pre-determined by the agreement with Volleyball World (VW) and the specific booking(s) for each event.

### Working areas:

- ✓ All members of RH crew have access to media working room.
- ✓ RH journalists/reporters have access to media tribune. Cameramen and technicians are not permitted to occupy seats in the media tribune unless prior approval has been granted by the local media manager / VBSM. If approval is given, filming equipment (e.g., cameras) must not be brought into the media tribune.
- ✓ Reserved and priority positions in the Mixed Zone for players’ interviews, as per pre-agreed bookings with VW.
- ✓ Access to Flash Interview Positions around the Field of Play (FOP), only if pre-agreed and booked with VW.
  - Priority to interview players without interference from other media members.
  - Position managed and agreed upon by VW.
- × RH crew to always wear the green armband. RH are not permitted to roam the court for players on their own. The VBSM will bring the requested players.
- × No access to team benches, area behind them nor team dressing rooms.
- × In the mixed zone: no media members should enter the players' path. During interviews, all media representatives must remain on the opposite side of the fences from the players.

### Content:

- Can film all or part of the match and FOP action, only if pre-agreed and booked with VW.
- Can use game footage on social media to promote their coverage, however live streaming is forbidden.
- Flash interviews on the FOP, only if pre-agreed and booked with VW.
- Match footage should preferably come from VW, unless a fixed FOP/court position has been pre-agreed with VW.

### Award Ceremony:

- ✓ Direct access to the live feed.
- ✓ Reserved and priority positioning in the Mixed Zone for player interviews after the medal ceremony, as per pre-agreed bookings with VW.
- Can film all or part of the ceremony from a fixed position, only if pre-agreed with VW.

- Can use such footage on social media to promote their coverage, however live streaming is forbidden.
  
- × Not allowed on the FOP for flash interview after the match point of gold matches, unless pre-agreed with VW.
- × Only main flash interview for host broadcast will take place after the match point of gold matches – Mixed Zone will be closed after the gold medal match and will open after the award ceremony.

## Non-Rights Holders (TV, radio) and General Media (journalists, reporters, online, etc.)

- Must be registered (and approved) for accreditation to receive “Media” accreditation at the venue. No armband required.

### Working areas:

- ✓ Have access to the media tribune and the media working room.
- ✓ Have access to the Mixed Zone – placed after the Rights Holders – no fixed spot.
- × No access to the area around the Field of Play (FOP) – only photographers with specific armbands are allowed there (see below).
- × Unless agreed upon with the local organizers, no media member should sit in the spectator areas.
- × No access to team benches, area behind them nor team dressing rooms.
- × In the mixed zone: no media members should enter the players' path. During interviews, all media representatives must remain on the opposite side of the fences from the players.

### Content:

- ✓ Can film only in the Mixed Zone – interview players stopping by after the match.
- ✓ Official photos: royalty-free photos are uploaded for every match and are available on each match page on <https://en.volleyballworld.com/>. When posting any of these photos, the following credits „©Volleyball World” should be added.
- × Cannot film anything on the FOP or inside the venue before, during, and after the match – This also applies to any social media content – no video coverage is allowed except for footage filmed in the Mixed Zone.
- × Radio Commentators/Journalists cannot record live commentary of matches, It is not permitted for Non-Rights Holders. This also includes short live reports or live links, as they fall under the category of live coverage. Recording of live links is allowed only from the media working room.

### Award Ceremony:

- Must stay in the media tribune – no media member should sit in the spectator areas during the award ceremony.
- Have access to the Mixed Zone for post-award ceremony interviews – Mixed Zone will be closed after the Gold Medal Match and will open after the award ceremony.
- Can film interviews from the Mixed Zone.
- Official photos: royalty-free photos are uploaded for every match and are available on each match page on <https://en.volleyballworld.com/>. When posting any of these photos, please add the following credits „©Volleyball World”.
- No access to the FOP is allowed.
- **NO FILMING DURING THE AWARD CEREMONY AND TROPHY MOMENT** – this rule also applies to social media coverage. Any unauthorized media filming during the ceremony will be removed from the FOP and may face further consequences.

- Radio Commentators/Journalists cannot record live commentary during the award ceremony inside the venue.
- Please note: to obtain the media rights for video footage or request match footage please contact [broadcast@volleyball.world](mailto:broadcast@volleyball.world).

# Photographers

- Must be registered (and approved) for accreditation to receive “Media” accreditation at the venue.
- Should collect white media armband from the local Press Officer / Media Manager to have access to all relevant working areas.

## Working areas:

- ✓ Armbands holders are permitted to access specific areas around the Field of Play (FOP), typically three sides of the court (but it depends on the event and the venue), except the area behind the team benches. They must be mindful of the audience behind them, cannot stand, and remain as low as possible.
- ✓ Photographers must change positions regularly – every 10–15 minutes (please use the breaks between rallies, preferably: time-outs, challenges, breaks between sets, etc.) – so that other accredited photographers have the opportunity to capture images from different angles and perspectives. Access areas may be limited, and details may vary by venue. More information will be available on-site.
- ✓ Have access to designated photo positions located on the short sides of the court and to spectators’ areas (might vary depending on the venue).
- ✓ Have access to the media working room.
- ✓ Unless agreed upon with the local organizers, no photographers should sit in the spectator areas.
- × No photographer, except the VW Official Photographers, is allowed behind the players’ benches and the technical table.
- × Cannot sit on evacuation route and should not occupy the spectator’s seats.
- × No access to the FOP, including after the end of the match.
- × No access to team benches, area behind them nor team dressing rooms.
- × No laptop is allowed around the FOP; editing in media working room only.
- × Tripods, stools, and foldable chairs are not permitted in photo positions. Tripods may only be used in the mixed zone.
- × In the mixed zone: no media members should enter the players’ path. During interviews, all media representatives must remain on the opposite side of the fences from the players.

## Content:

- ✓ Photographers are expected to deliver only photos (still images) to their media outlets.
- × Cannot film anything on the FOP or inside the venue before, during, and after the match – This also applies to any social media content – no video coverage is allowed except for footage filmed in the Mixed Zone.
- × No photos of players or coaches when being interviewed by Rights Holders in the Mixed Zone.

### **Award Ceremony:**

- ✓ Must wear white armband to access dedicated areas of the FOP during the award ceremony as informed during the photo briefing.
- ✓ Allowed to enter the FOP during a short time before the award ceremony to take a position – time will be communicated by the local Press Officer / Media Manager during the photo briefing; once this time is over, no accredited photographer will be allowed to enter the FOP.
- ✓ Must remain at all times behind the rope set-up on the FOP and should not leave this position during the award ceremony.
- × **NO FILMING DURING THE AWARD CEREMONY AND TROPHY MOMENT** – this rule also applies to social media coverage. Any unauthorized media filming during the ceremony will be removed from the FOP and may face further consequences.

# Team Photographers/Videographers and Team Journalists

- Appointed by the National Federations or the participating Teams.
- Must be registered (and approved) for accreditation to receive “Media” accreditation at the venue.
- Team Photographers should collect white media armband from the local Press Officer / Media Manager to have access to all relevant working areas.
- The regulations below apply to the content published on the National Federations/Teams channels.

## Working areas:

- ✓ Armbands holders are permitted to access specific areas around the Field of Play (FOP), typically three sides of the court (but it depends on the event and the venue), except the area behind the team benches (same as regular photographers). They must be mindful of the audience behind them, cannot stand, and remain as low as possible.
- ✓ Team Photographers/Videographers must change positions regularly – every 10–15 minutes (please use the breaks between rallies, preferably: time-outs, challenges, breaks between sets, etc.) – so that other accredited photographers have the opportunity to capture images from different angles and perspectives. Access areas may be limited, and details may vary by venue. More information will be available on-site.
- ✓ Have access to designated photo positions located on the short sides of the court and to spectators’ areas (might vary depending on the venue).
- ✓ Access to mixed zone and media tribune (on high-attended events access to media seats might not be possible for Team Photographers/Videographers)
- ✓ Have access to players’ locker rooms and areas reserved to players – if accredited also as a team member (registered with O-2 form).
- Access to the FOP for filming is allowed only after the live feed and post-match flash interview have concluded. Before that, access is restricted to areas around the FOP and behind the LEDs.
- ✗ Cannot sit on the players’ bench or be in the area around the players’ bench.
- ✗ Cannot sit on evacuation route and should not occupy the spectators seats.
- ✗ No laptop is allowed around the FOP; editing in media working room.
- ✗ Tripods, stools, and foldable chairs are not permitted in photo positions. Tripods may only be used in the mixed zone.
- ✗ In the mixed zone: no media members should enter the players' path. During interviews, all media representatives must remain on the opposite side of the fences from the players.

## Content:

- ✓ Photos (still images) can be published on social media and websites at any time.
- ✓ May film all or part of the match and FOP action from designated photo areas, however, such content cannot be published earlier than 24 hours after the match ends and must not exceed 1 minute in length.

- ✓ Federations/Teams can reach out to social@volleyball.world to get official highlights of the game for their team.
- ✓ All post-match interviews for NF channels must be recorded in the mixed zone.
- ✗ Live streaming is strictly prohibited, including on Instagram/Facebook Stories. This restriction also applies to personal social media accounts and websites.
  
- ✗ Team journalists, videographers, and photographers are not allowed to post video content from the FOP on their personal social media accounts, websites, or any platforms other than the official accounts of the National Federation, Team, or Player.
- ✓ However, the National Federation, Team, or Player may add the content creator for collaborative posts (collabs).
- ✗ Non-rights-holders are not permitted to publish video content from the FOP or the stands, even if a team journalist, videographer, or photographer represents the media outlet. This restriction also applies to social media channels.

#### **Award Ceremony:**

- ✓ Must wear specific armbands to access dedicated areas of the FOP during the award ceremony as informed during the photo briefing.
- ✓ Allowed to enter the FOP during a short time before the award ceremony to take a position – time will be communicated by the local Press Officer / Media Manager during the photo briefing; once this time is over, no accredited photographer will be allowed to enter the FOP.
- ✓ Must remain at all times behind the rope set-up on the FOP and should not leave this position during the award ceremony.
- ✓ Any moving images filmed during the ceremony cannot be published earlier than 24 hours after the match ends, and the clip must not exceed one minute in length.
- ✗ Live streaming is strictly prohibited, including on Instagram/Facebook Stories. This restriction also applies to personal social media accounts and websites.

## Official VW/LOC Photographers and Videographers

- Appointed by the Volleyball World/FIVB or LOC, respectively.
- Must wear the “VW official” black armband.
- All official photographers and videographers must be announced to VW Event Operations Manager, Event Operations Supervisors, and VW Media Operations Manager.

### Working areas:

- ✓ Have full access to the place around Field of Play (FOP) – including behind the players’ benches
- ✓ Have access to the FOP directly after game ends, however always being mindful of main broadcast camera on the FOP.
- ✓ Have access to media tribune, mixed zone, and media working room.
- ✓ Have access to players’ locker room and other players reserved areas (depending on the venue), only if pre-agreed with the relevant players/team.

### Content:

- ✓ Can film part of all matches and FOP action.
- ✓ Can film in the mixed zone and in the spectator’s area.

## Host Broadcaster

- Applies to the Host Broadcaster.
- Should receive “Host Broadcaster” accreditation (not “Media”) to have access to all their relevant working areas; no armband required.

## Please note: Members of the Public

- × Not allowed to bring in professional equipment – filming and photo cameras.
- × Not allowed to bring in tripods, monopods.
- × Not allowed to enter the Mixed Zone or any other Media working area.

The security check should be done upon entrance and not inside the venue.