



Introduction



A proper IT set-up is essential for a successful competition. Please read & follow carefully!

- This document needs to be **forwarded** to the responsible persons and companies in charge of fulfilment. The **experts** in each field need to have these requirements as soon as possible.
- Every **detail** is important. If a specification cannot be fulfilled entirely or certain items cannot be delivered as described: please **communicate** this beforehand with the IJF IT department. All changes need approval.
- The installation time and effort are easily underestimated. Finishing the set-up late in the night before start of competition is risky. All needs to be properly tested. Set the right **priorities**!
- If there are any questions, please don't hesitate to **contact** IJF IT department: **it@ijf.org**

**We are looking forward to a close cooperation
and a successful event**





Before start...

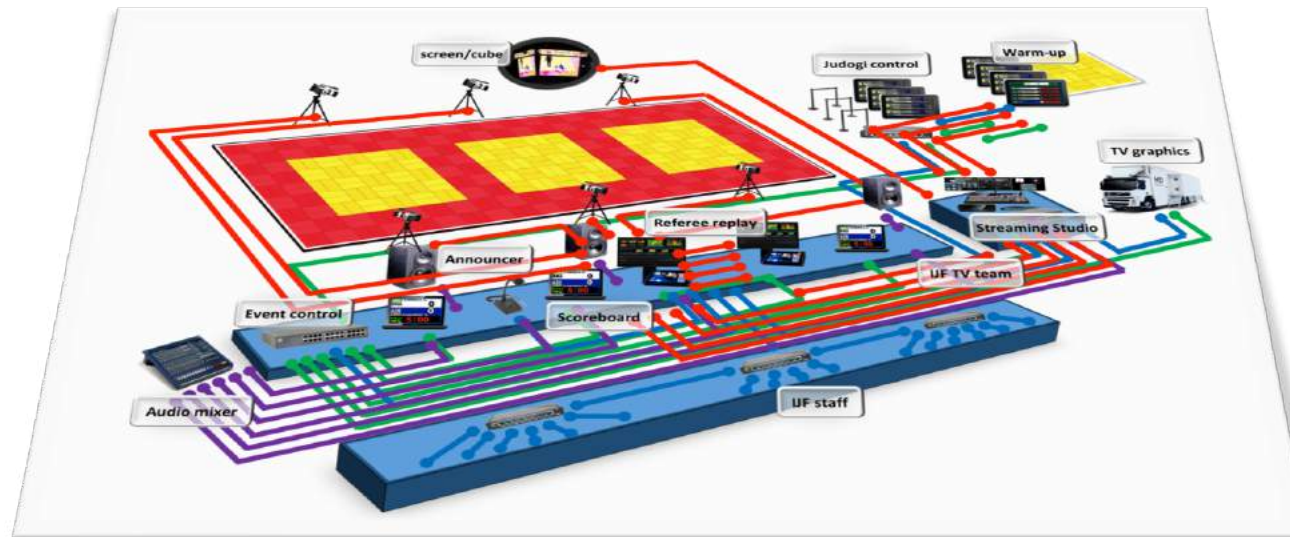


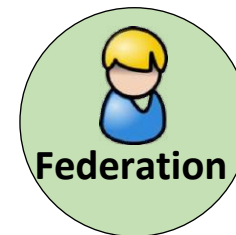
The positions in the venue may vary for each event.

We will provide an exact **seating plan** before the start of cabling.

Additionally, we will add **stickers** on the tables with the position names and start/end points for each cabling: Local network, internet, audio, video etc.

Therefore, please set the **priority** to have the **podiums** (including streaming studio) with **tables** and covers ready first! Then the cabling can start...





Equipment & Transport



The IJF IT equipment (video streaming machines, referee replay devices, cameras etc.) will be shipped by a professional **logistics company**. They will handle all custom procedures

We need from your federation a **contact person**. The logistics company will get in touch with you for coordinating the **date, time** and **place** for **delivery** before and the **pick-up** after the event

Before and after the event: the equipment needs to be **stored** and locked in a **safe room** in the **venue**



Accreditation cards and lists



Organiser provides to IJF:

Logos:

- Event
- Federation
- Local sponsors

Responsible Persons

with contact mobile number:

- General organisation
- Accommodation
- Transport



IJF finalises the card layout



Organiser gives final approval



IJF sends PDF cards of all delegations and several lists for accreditation to the organiser for printing in color



Nation



Cards front



Cards back



Numbers



Accreditation cards need to be printed, cut and laminated. Everything needs to be ready the day before the start of accreditation at the latest



Print all front cards on A4 paper (210 x 297 mm) with PDF settings „custom scale: 100%“ (no „fit“ or „shrink“)

Turn all papers and print backsides on the back

Cut all papers two times, horizontal and vertical in the middle. All white borders should have same size

Laminate with A6 pouches (154x111 mm)

Punch hole(s) for lanyard

Don't attach lanyards. This will be done later



Accreditation Setup



	Checklist	<input checked="" type="checkbox"/>
2	Color laser printer: <ul style="list-style-type: none">• 20 ppm or faster• network connection	<input type="checkbox"/>
2	Complete set of toner	<input type="checkbox"/>
1	Copy machine	<input type="checkbox"/>
2	Laminating machines	<input type="checkbox"/>
2	Paper cutter	<input type="checkbox"/>
2	Hole puncher	<input type="checkbox"/>
	Paper A4	<input type="checkbox"/>
	Laminating pouches Exact size: 154x111 mm	<input type="checkbox"/>
	Lanyards	<input type="checkbox"/>
5	Multi-outlet power strips	<input type="checkbox"/>
	Wireless Internet	<input type="checkbox"/>



The room needs to be set-up the evening before the start of accreditation.
This includes delivery of all equipment plus the printed and laminated accreditation cards

Network IP addresses from printers need to be set manually to 192.168.2.8 and 192.168.2.9

The same printers (plus toners) need to be taken afterwards to the draw and then to the venue

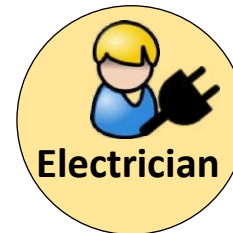


IT Requirements



Power

for Referee Replay + Streaming



The electricity planning for the whole event must be done by experts using professional power distribution equipment. No line is allowed to come from a simple wall plug!



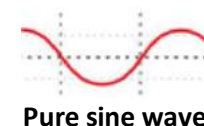
6x



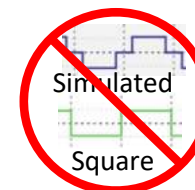
6x Uninterruptible Power Supplies (UPS):



- Min. power each UPS:
3x 3000 VA
3x 2000 VA
- Waveform Type: **pure Sine wave**

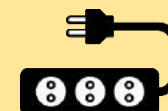


Pure sine wave



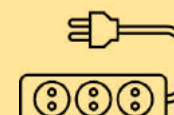
Exclusive power lines:

- 2x streaming studio
(different phase/circuit than lighting equipment!)
- 1x Event IT
- 2x Referee replay
- 1x IJF TV team



Multi-outlet power strips:

- With 5 or more plugs each
- No switches

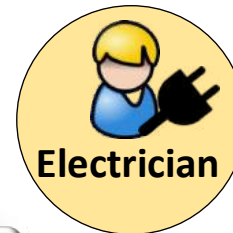


	<u>Checklist</u>	<input checked="" type="checkbox"/>
6	UPS as specified	<input type="checkbox"/>
	Multi-outlet power strips	<input type="checkbox"/>
	Power cable extensions	<input type="checkbox"/>

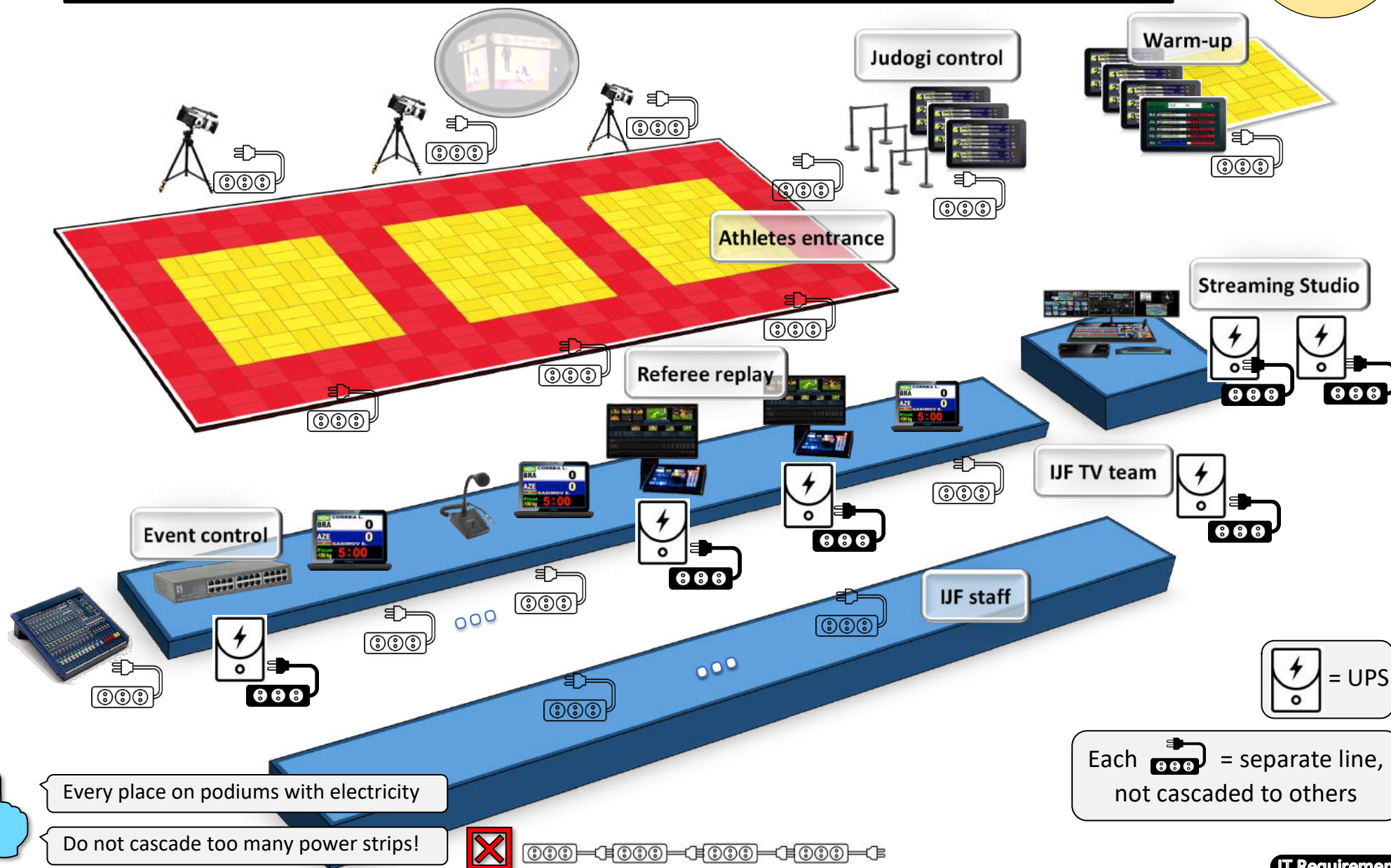


IT Requirements

Electricity points



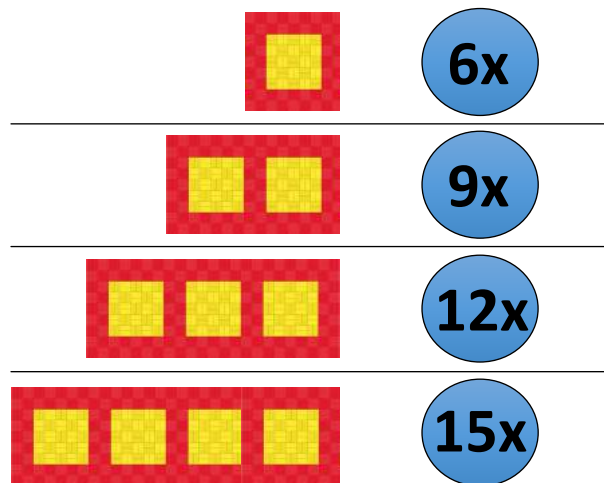
Electrician





IT Requirements

Laptops



local IP 192.168.2.x

Location	x
IJF Server	3
Scoreboard	11, 12, 13,...
Judogi control	21, 22, 23,...
Warm-up	31, 32, 33,...

Subnet: 255.255.255.0

Gateway: empty

DNS: empty

Hardware Requirements:

- Up-to-date model
- For scoreboards:
 - 8 GB RAM
 - Resolution 1920x1080
- 200 GB disk space free
- Network input
- HDMI output
- Mouse

Operating System Requirements:

- **MS Windows 10 Professional**
- **English** language version and keyboard
- Clean installation
- No login password
- Windows firewall: file and printer sharing exception enabled
- No security suite/Antivirus software/3rd party firewall installed
- Screensaver/power saver disabled
- Reduced screen brightness on battery



Monitors for Referee Replay + Streaming



15x

HDMI input



All TFT monitors:

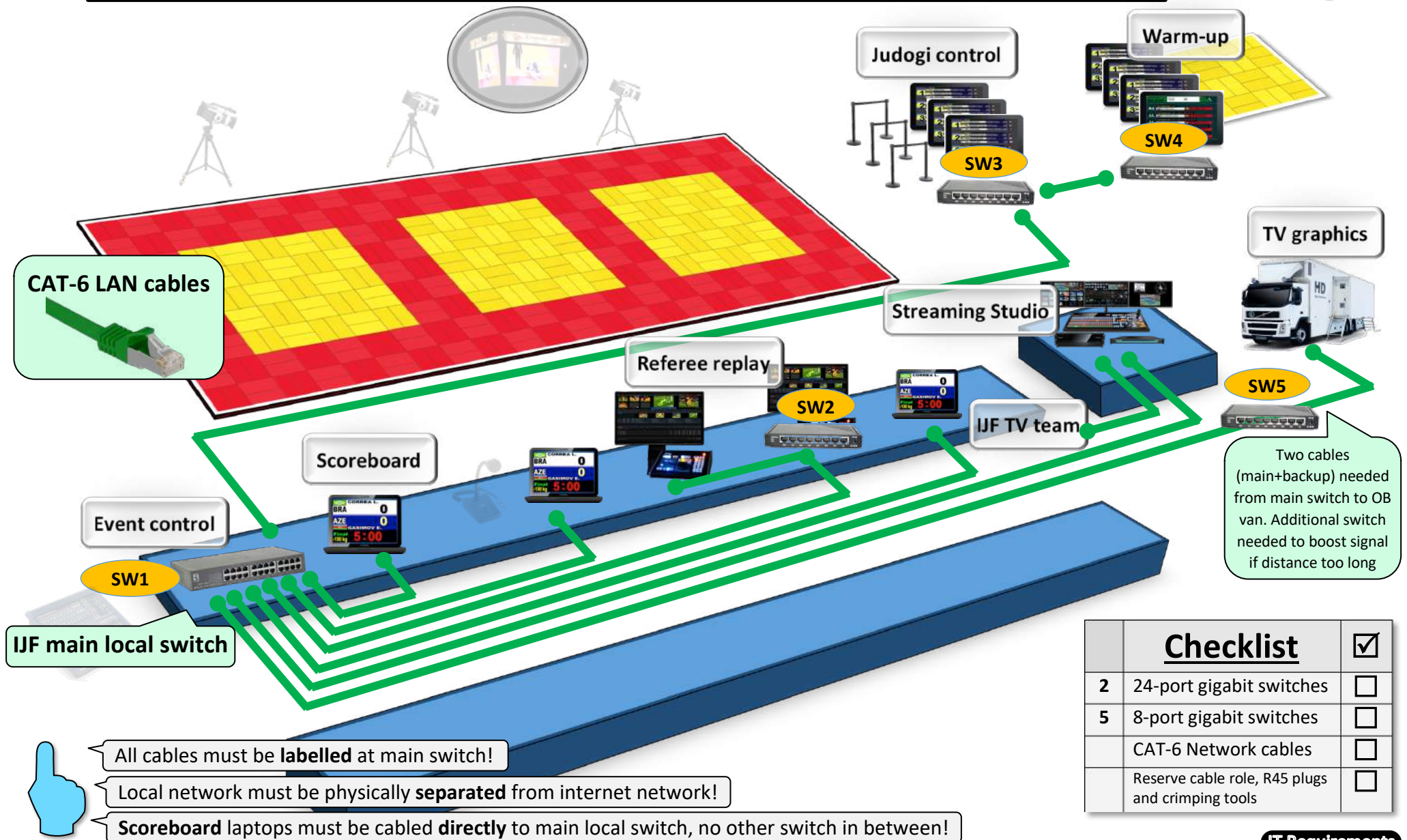
- **Size:** 23"-26"
- **Resolution:** 1920x1080 Full HD
- **Format** 16:9
- **Input:** HDMI

Checklist		<input checked="" type="checkbox"/>
15	Full-HD TFT monitors with HDMI input	<input type="checkbox"/>



IT Requirements

Local Network



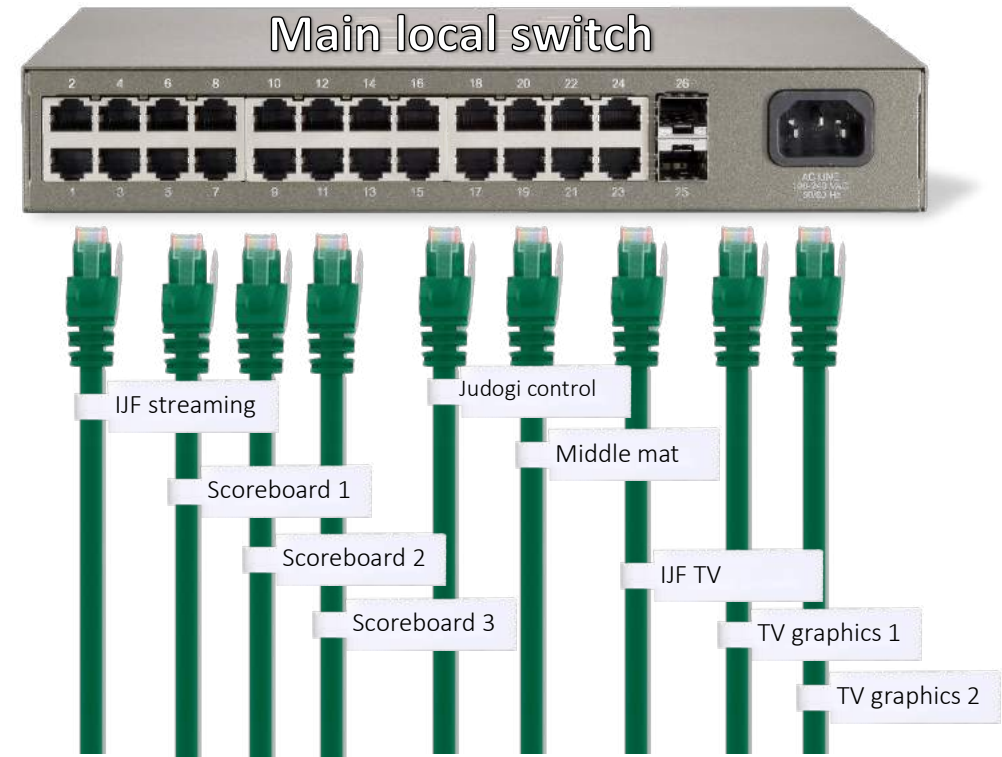


Local Network



Network switches		<input type="checkbox"/>
SW1	Main local switch (24 port)	<input checked="" type="checkbox"/>
SW2	Middle-mat local switch (8 port)	<input type="checkbox"/>
SW3	Judogi-control local switch (8 port)	<input type="checkbox"/>
SW4	Warm-up area local switch (8 port)	<input type="checkbox"/>
SW5	Optional: TV-graphics local switch (4 port)	<input type="checkbox"/>

Order of cabling		<input type="checkbox"/>
1	Cable from main local switch to IJF streaming studio place	<input type="checkbox"/>
2	Cables from main local switch to scoreboard laptops mat 1, 2, 3, ...	<input type="checkbox"/>
3	Cable from main local switch to judogi-control local switch	<input type="checkbox"/>
4	Cables from judogi-control switch to judogi-control laptops	<input type="checkbox"/>
5	Cable from judogi-control switch to warm-up area local switch	<input type="checkbox"/>
6	Cables from warm-up area switch to warm-up area laptops	<input type="checkbox"/>
7	Cable from main local switch to middle-mat local switch	<input type="checkbox"/>
8	Cables from middle-mat-switch to IJF replay machines 1+2	<input type="checkbox"/>
9	Cable and back-up cable from main local switch to TV-graphics place (using additional switch if distance too long)	<input type="checkbox"/>
10	Cable from streaming studio to IJF TV team place	<input type="checkbox"/>



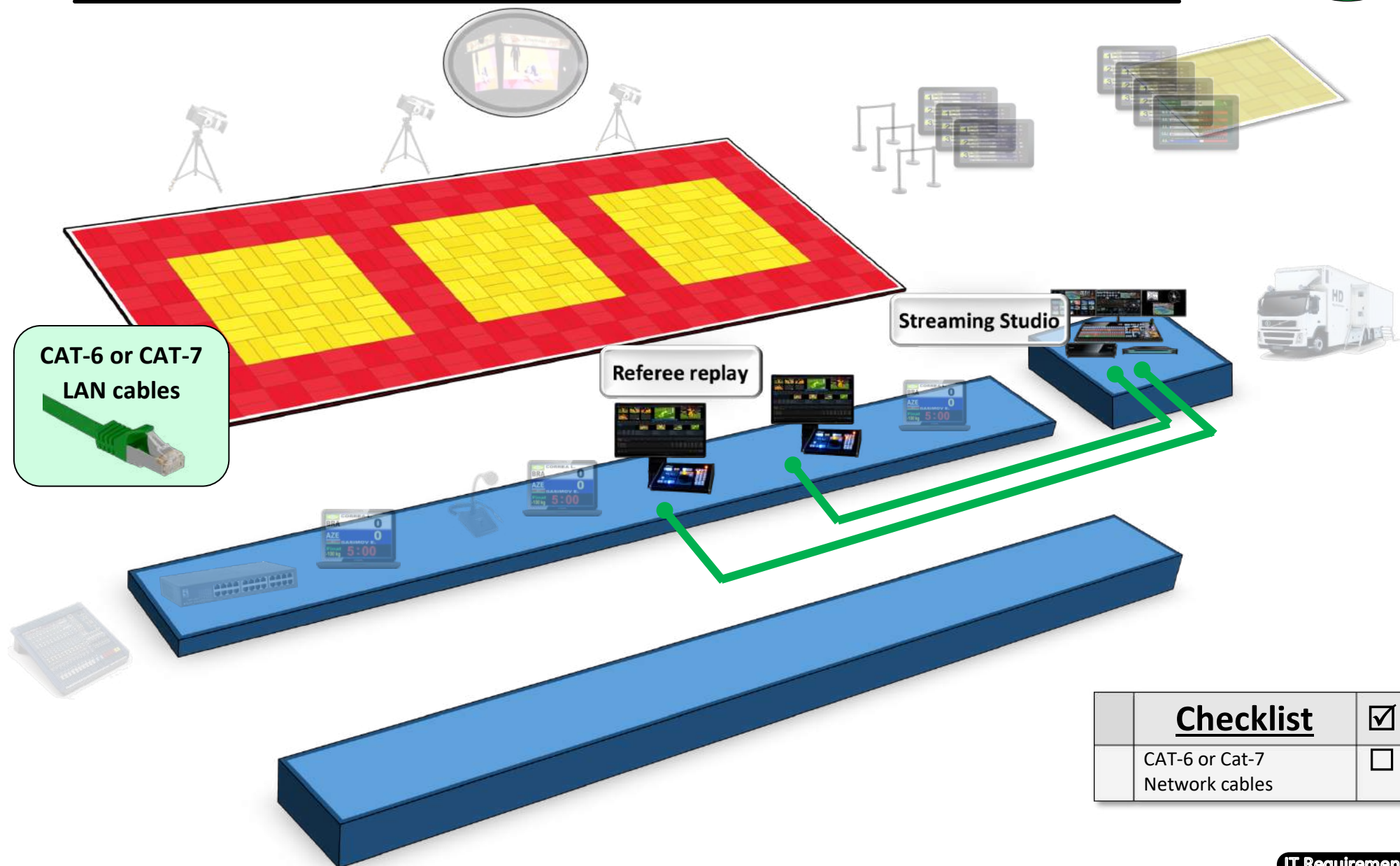
Key points:

- Whenever a cable is ready:
 - Label with target location
 - Ping test
- No broken latches!



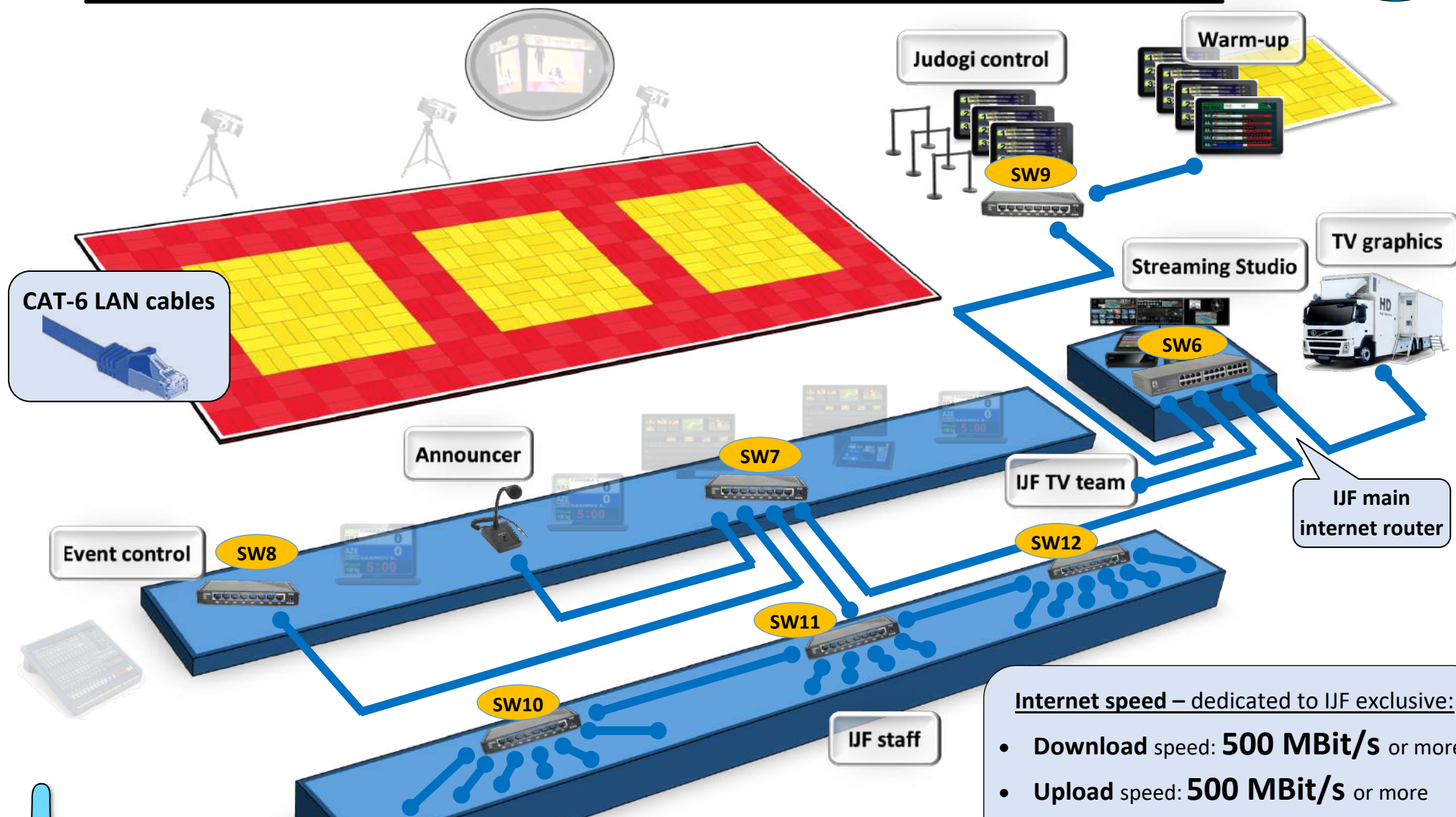


Local Network 10 GBit





Internet Network



Internet for Media/others is handled by organiser

All Internet connections need to be wired. Additionally, IJF will create own wireless network

Internet speed – dedicated to IJF exclusive:

- Download speed: **500 MBit/s** or more
- Upload speed: **500 MBit/s** or more

(Values tested to Frankfurt using www.speedtest.net)

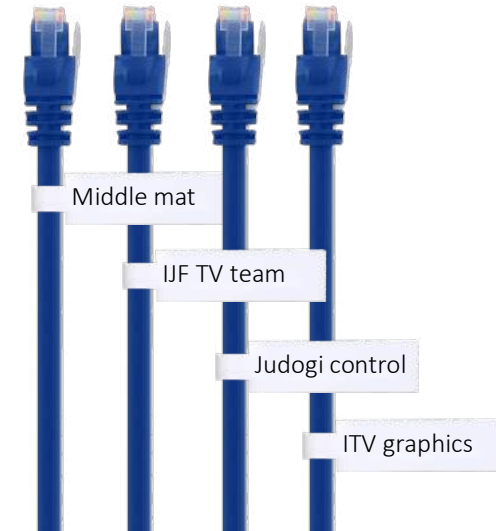
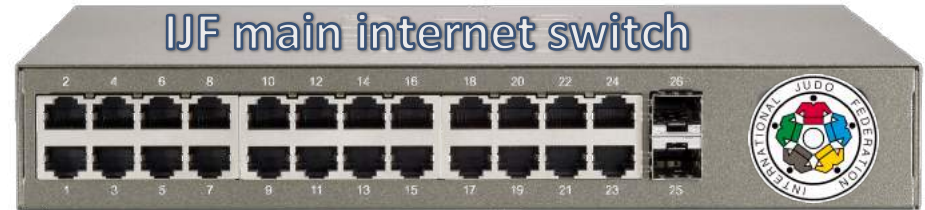


Internet Network



Network switches (provided by IJF)			<input type="checkbox"/>
SW6	IJF main internet switch located at IJF streaming studio	<input checked="" type="checkbox"/>	
SW7	Middle-mat internet switch (8 port)	<input type="checkbox"/>	
SW8	Event control internet switch (8 port)	<input type="checkbox"/>	
SW9	Judogi-control internet switch (8-port)	<input type="checkbox"/>	
SW10-12	Staff internet switches (8 port)	<input type="checkbox"/>	

Order of cabeling			<input type="checkbox"/>
11	Cable from main internet switch to middle-mat internet switch	<input type="checkbox"/>	
12	Cables from middle-mat internet switch to speakers place	<input type="checkbox"/>	
13	Cable from middle-mat switch to event control place	<input type="checkbox"/>	
14	Cable from middle-mat internet switch to staff internet switches	<input type="checkbox"/>	
15	Six cables from each staff internet switches to nearby IJF staff places	<input type="checkbox"/>	
16	Cable from main internet switch to IJF TV team place	<input type="checkbox"/>	
16	Cable from main internet switch to TV graphics in OB van	<input type="checkbox"/>	
18	Cable from main internet switch to judogi-control area	<input type="checkbox"/>	
19	Cables from judogi control internet switch to warm-up place (TBC)	<input type="checkbox"/>	



Key points:

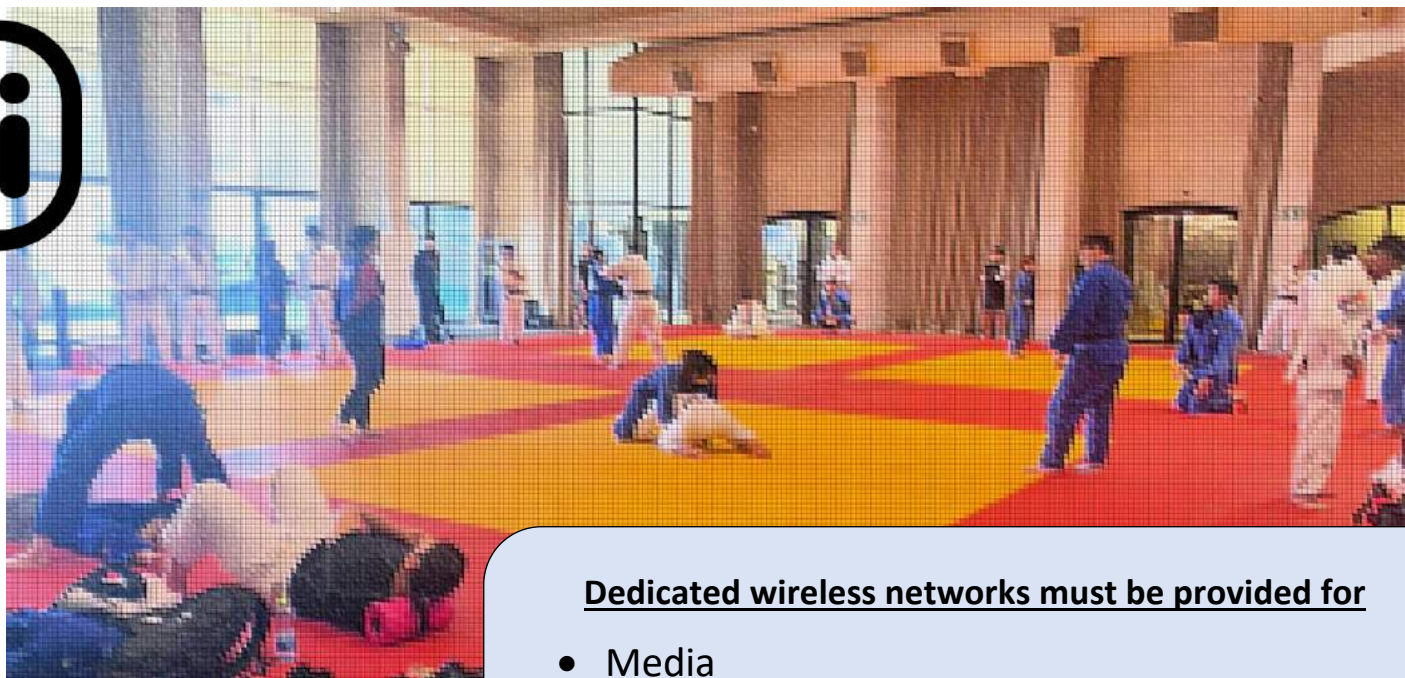
- Whenever a cable is ready:
 - Label with target location
 - Ping test
- No broken clips



For main internet line do not use IP 192.168.2.x as it is reserved for the local network!



Internet Network Wireless



Dedicated wireless networks must be provided for

- Media
- VIP and VVIP areas
- Warm-up area for coaches and athletes



Sufficient bandwidth and maximum capacity to chose

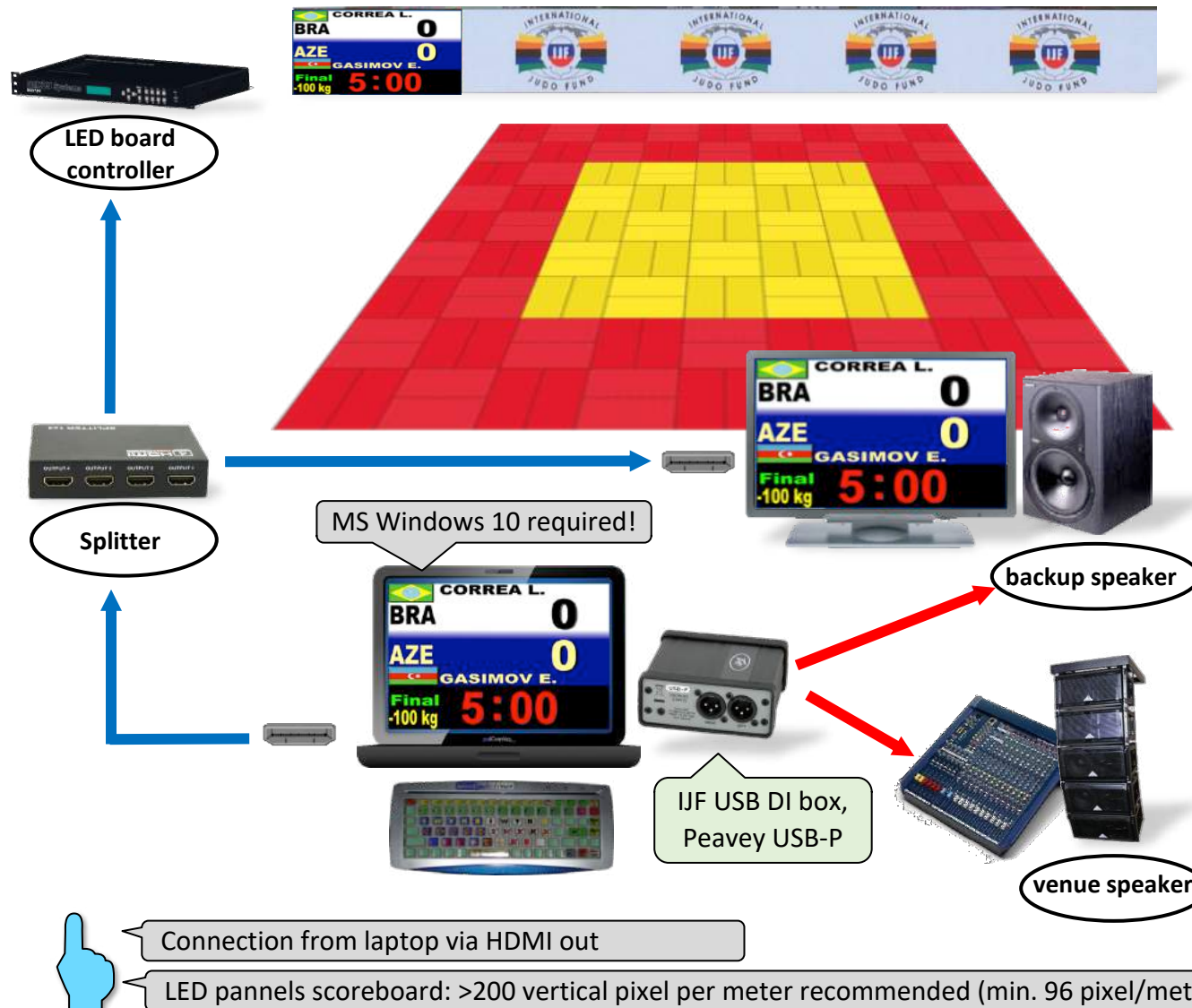
All wireless needs to be password protected

Please exchange all passwords with the IT team, so they can be forwarded to each sector

The wireless networks must be separated from the requested cable internet in the venue



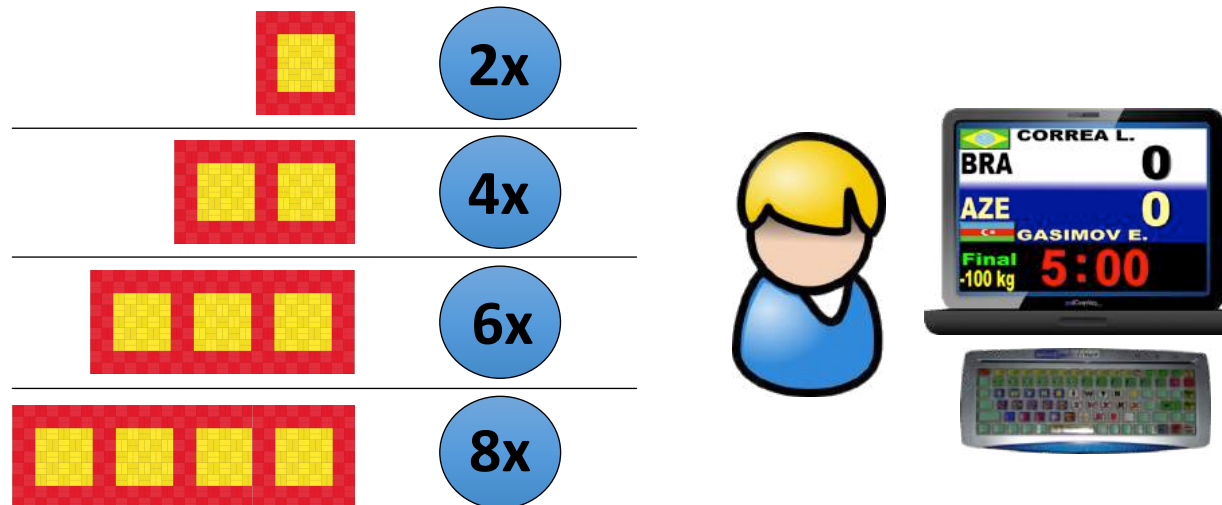
Scoreboard Setup



	Checklist	<input checked="" type="checkbox"/>
1	LED screen 55" or bigger 16:9, HDMI input	<input type="checkbox"/>
1	LED board controller	<input type="checkbox"/>
1	converter HDMI to LED board input (if needed)	<input type="checkbox"/>
1	HDMI Splitter (1x in, 2x out)	<input type="checkbox"/>
1	Laptop	<input type="checkbox"/>
1	Scoreboard keyboard	<input type="checkbox"/>
	HDMI cables	<input type="checkbox"/>
1	Big active speaker	<input type="checkbox"/>
	XLR audio cables (from laptop to backup speaker and venue mixer)	<input type="checkbox"/>



Scoreboard operators



Scoreboard operators from local organiser:

- ≥ 18 years old
- English speaking
- Judo referee license

Introduction and briefing:

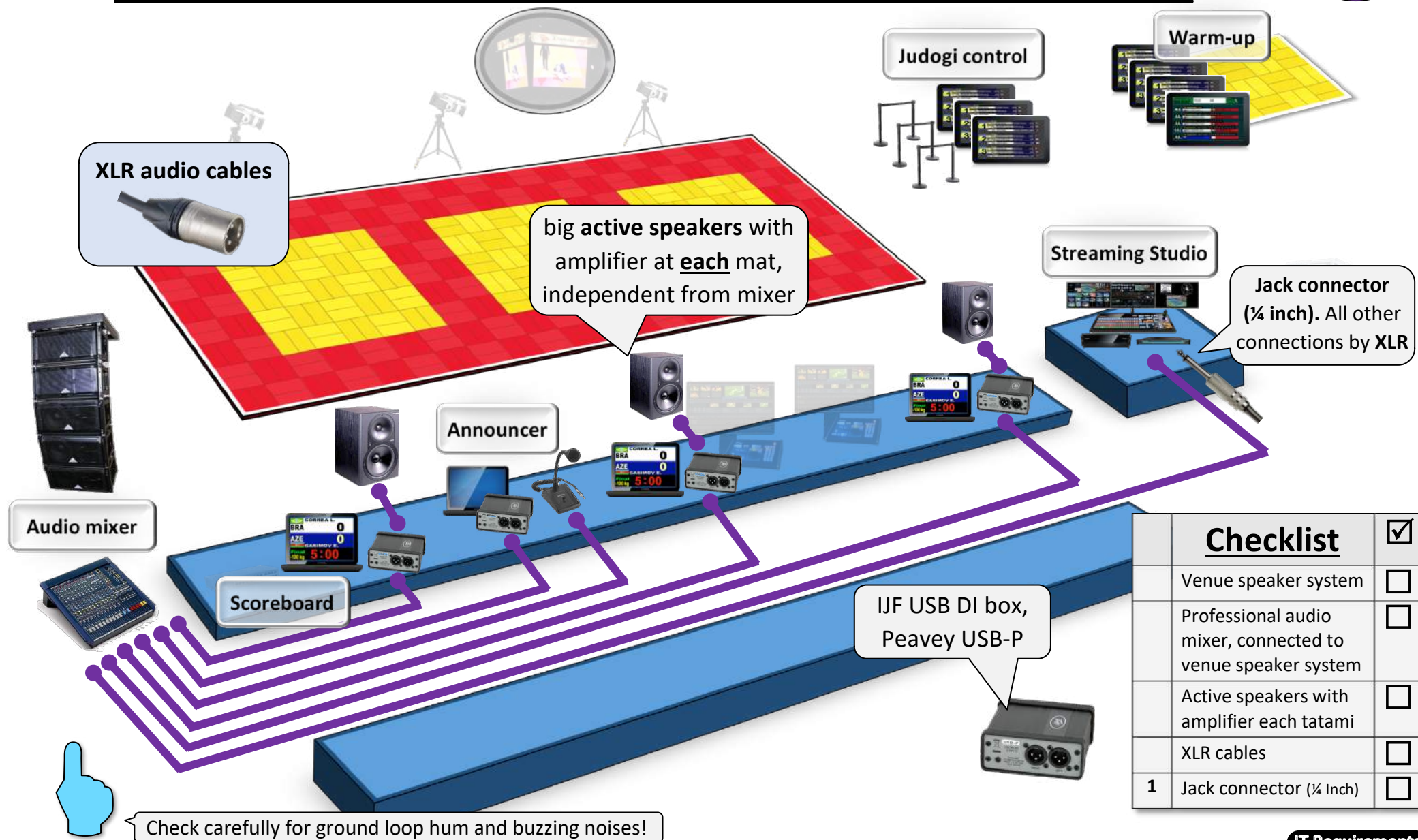
New users: Day before start of competition at 19:00 in the venue

Experienced: First day of competition, one hour before start in venue

Checklist		<input checked="" type="checkbox"/>
List of names of all scoreboard operators		<input type="checkbox"/>



Gong & Audio set-up



Checklist		<input checked="" type="checkbox"/>
	Venue speaker system	<input type="checkbox"/>
	Professional audio mixer, connected to venue speaker system	<input type="checkbox"/>
	Active speakers with amplifier each tatami	<input type="checkbox"/>
	XLR cables	<input type="checkbox"/>
1	Jack connector (¼ Inch)	<input type="checkbox"/>

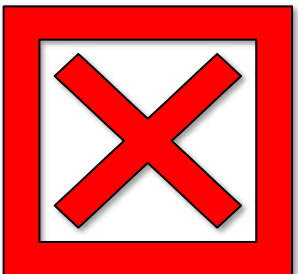
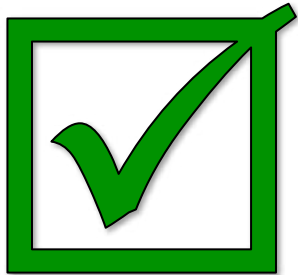


Gong & Audio set-up



At each mat: Additional big **active speakers** with **amplifier** and **XLR input**

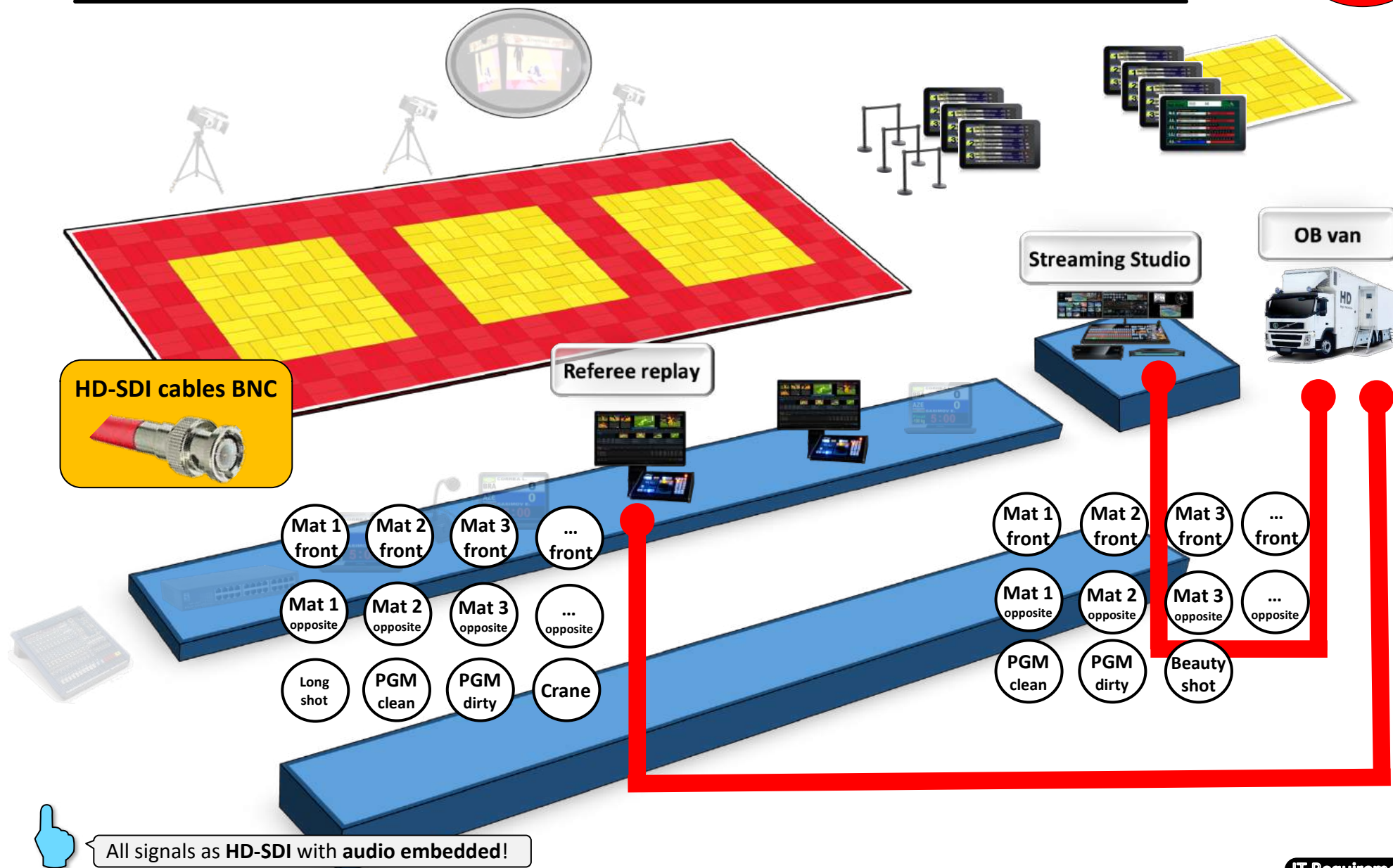
- Used solely for gong signals from each mat as backup
- Directly connected to DI boxes from scoreboard laptops
- Gong signal must be heard in venue with noisy crowd





IT Requirements

Video signals from TV

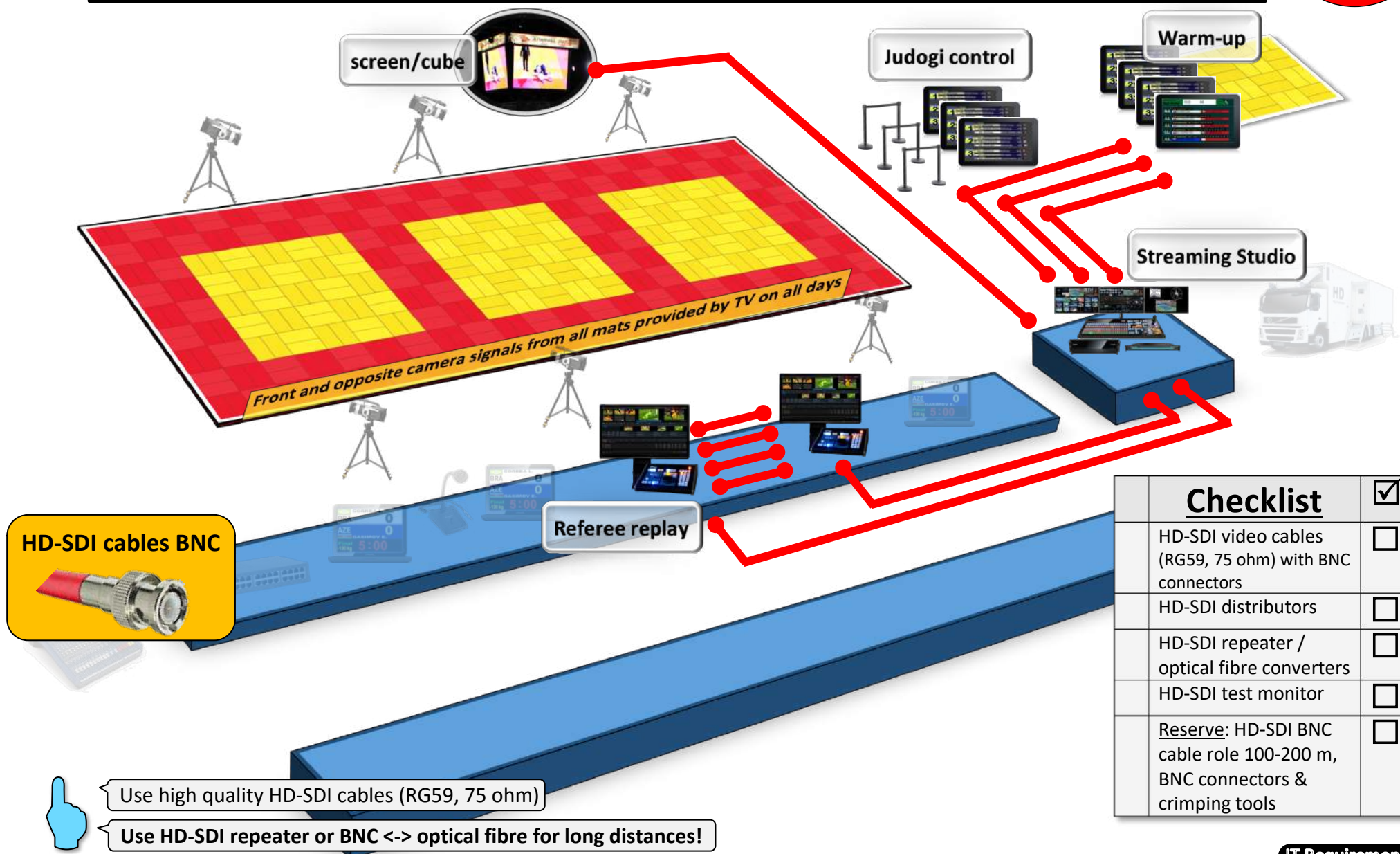




IT Requirements

Video cabling organiser

Option 1: when TV is providing both front and opposite camera signals from all mats on all days

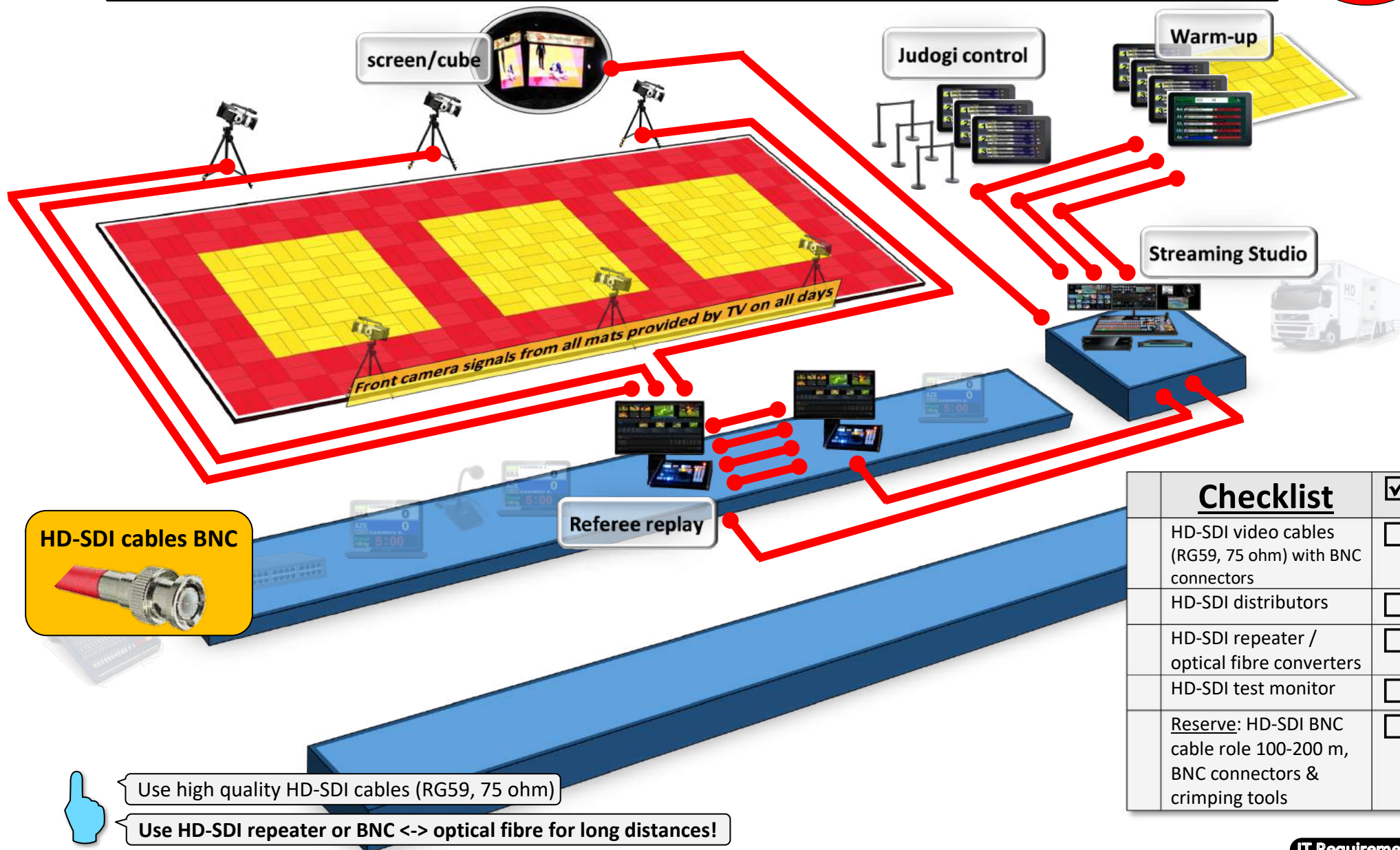




IT Requirements

Video cabeling organiser

Option 2: when TV is providing only front camera signals from all mats on all days



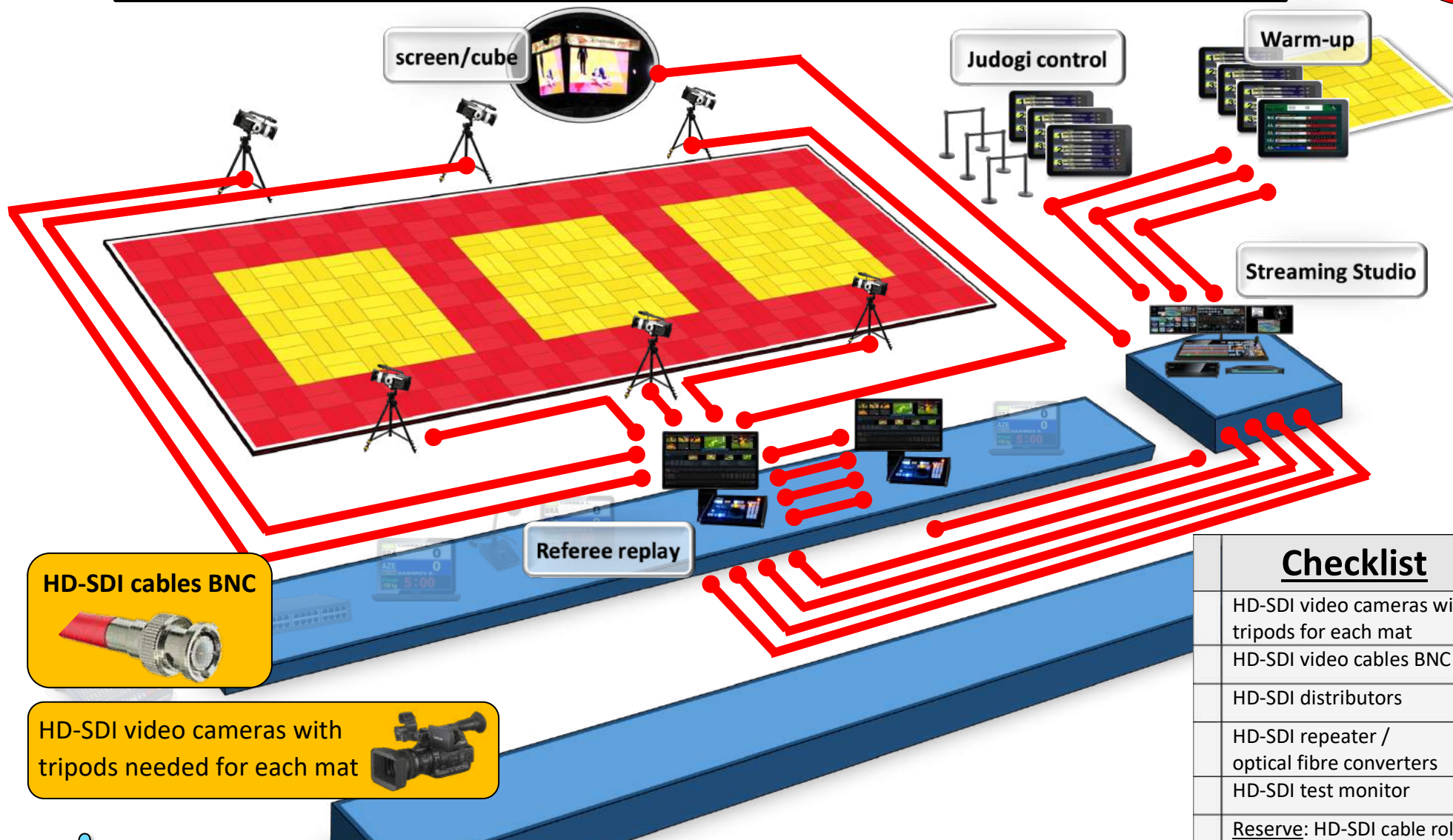
Checklist	<input checked="" type="checkbox"/>
HD-SDI video cables (RG59, 75 ohm) with BNC connectors	<input type="checkbox"/>
HD-SDI distributors	<input type="checkbox"/>
HD-SDI repeater / optical fibre converters	<input type="checkbox"/>
HD-SDI test monitor	<input type="checkbox"/>
Reserve: HD-SDI BNC cable role 100-200 m, BNC connectors & crimping tools	<input type="checkbox"/>



IT Requirements

Video cabling organiser

Option 3: when there is no TV providing any signals



HD-SDI cables BNC



HD-SDI video cameras with tripods needed for each mat



Use high quality HD-SDI cables (RG59, 75 ohm)

Use HD-SDI repeater or BNC <-> optical fibre for long distances!

Checklist

- | | |
|---|--------------------------|
| HD-SDI video cameras with tripods for each mat | <input type="checkbox"/> |
| HD-SDI video cables BNC | <input type="checkbox"/> |
| HD-SDI distributors | <input type="checkbox"/> |
| HD-SDI repeater / optical fibre converters | <input type="checkbox"/> |
| HD-SDI test monitor | <input type="checkbox"/> |
| Reserve: HD-SDI cable role 100-200 m, BNC connectors & crimping tools | <input type="checkbox"/> |



Video camera operators from organiser



When TV is providing only signals from front

With TV is covering all mats



Without TV providing signals

	0x	6x	8x
	0x	8x	12x
	0x	6x	12x
	0x	8x	16x
	0x	10x	18x



Camera operators from local organiser:

- ≥ 18 years old
- English speaking
- Judo background

Introduction and briefing:

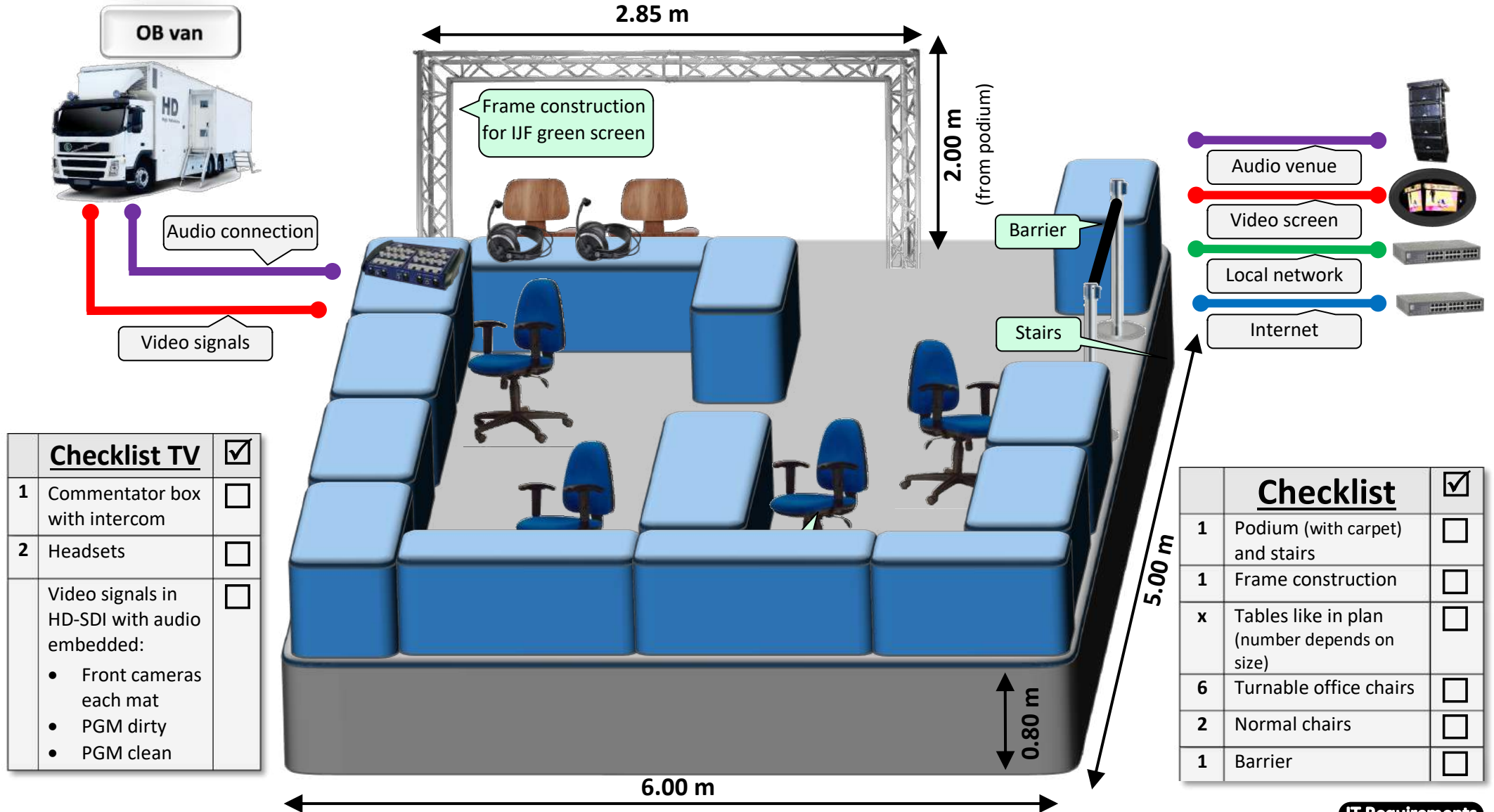
First day of competition, one hour before start in venue

	Checklist	<input checked="" type="checkbox"/>
	List of names of all camera operators	<input type="checkbox"/>



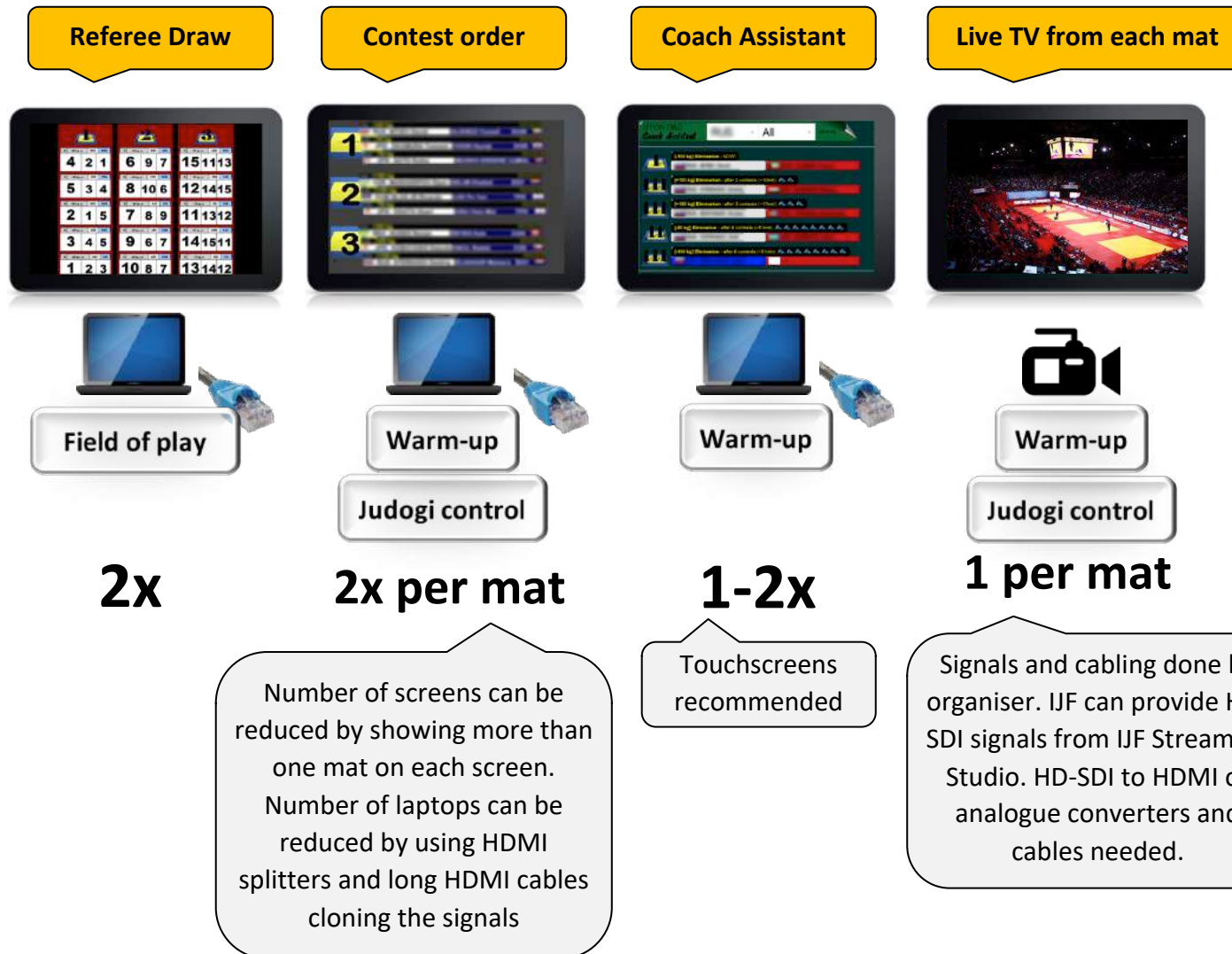
IT Requirements

Streaming Studio





Information system



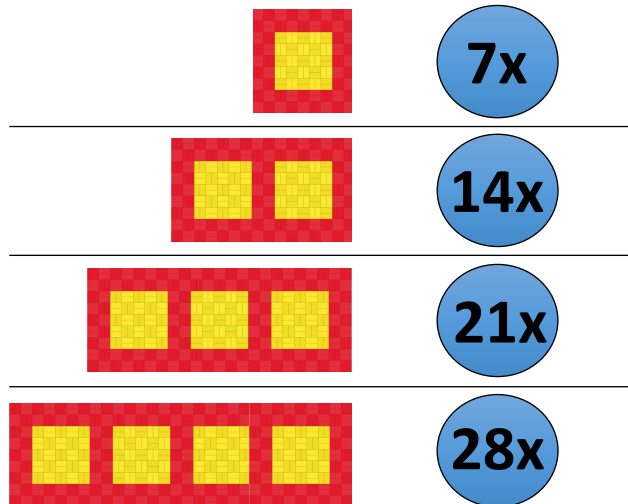
	Checklist	<input checked="" type="checkbox"/>
	LCD screens size 50" or more	<input type="checkbox"/>
	Touchscreens for coach assistant	<input type="checkbox"/>
	Laptops connected to local network	<input type="checkbox"/>
	HDMI cables	<input type="checkbox"/>
	Video cables	<input type="checkbox"/>



Referee Radio System



Only needed for countries where the IJF radios are not allowed to use!



+



+



Each tatami needs it's own frequency!

	Checklist	<input checked="" type="checkbox"/>
	Radios	<input type="checkbox"/>
	Security headset	<input type="checkbox"/>
	Charger	<input type="checkbox"/>



After competition...



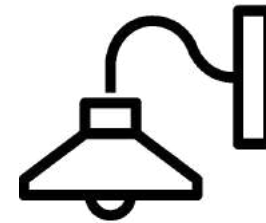
...keep running:



Electricity



Internet



Lights

After the competition is finished our teams still need time to finalise the work
(interviews, video highlight editing, news uploading etc.)

Therefore, it is essential that **electricity**, **internet** and **lights** are kept on and intact until the last working person from IJF gives green light that it is no longer needed.

Important: Please inform **all** persons and companies involved in the dismantling on the **last day**!

Have the **save storage room** ready for all IJF IT equipment cases!

Make sure you have agreed with the logistic company the **pick-up time** of the IJF IT equipment!