



Introduction

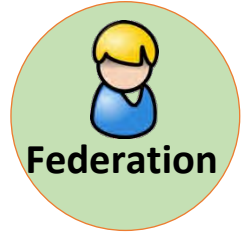


The IT set-up is the **fundament** for a successful competition. These requirements will help to make your event successful. Please read & follow carefully!

- All requirements and specifications are based on several years of experience. 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!
- **Important:** These documents need to be **forwarded** to the responsible persons/companies in charge of fulfilment. The experts in each field need to have these requirements as soon as possible.
- Every installation needs to be done as early as possible in order that proper tests can be done and in case of problems fixed in time. Proper **priorities** need to be set.
- If there are any questions please don't hesitate to **contact** IJF IT Department:
eMail: it@ijf.org



We are looking forward to a close cooperation and a perfect event!



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 **pick-up** after the event



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



Accreditation cards and lists



Organiser sends to IJF:

Logos:

- Event
- Federation
- Local sponsors

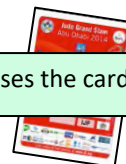


Responsible Persons (printed on back of card):

- General organisation: Mr. A +12 34 56 77
- Accommodation: Ms. B +12 34 56 78
- Transport: Mr. C +12 34 56 79



IJF finalises the card layout



Organiser gives final approval



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



Nation overview



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"/>

*Numbers depending on participation.
Please plan a big reserve

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.

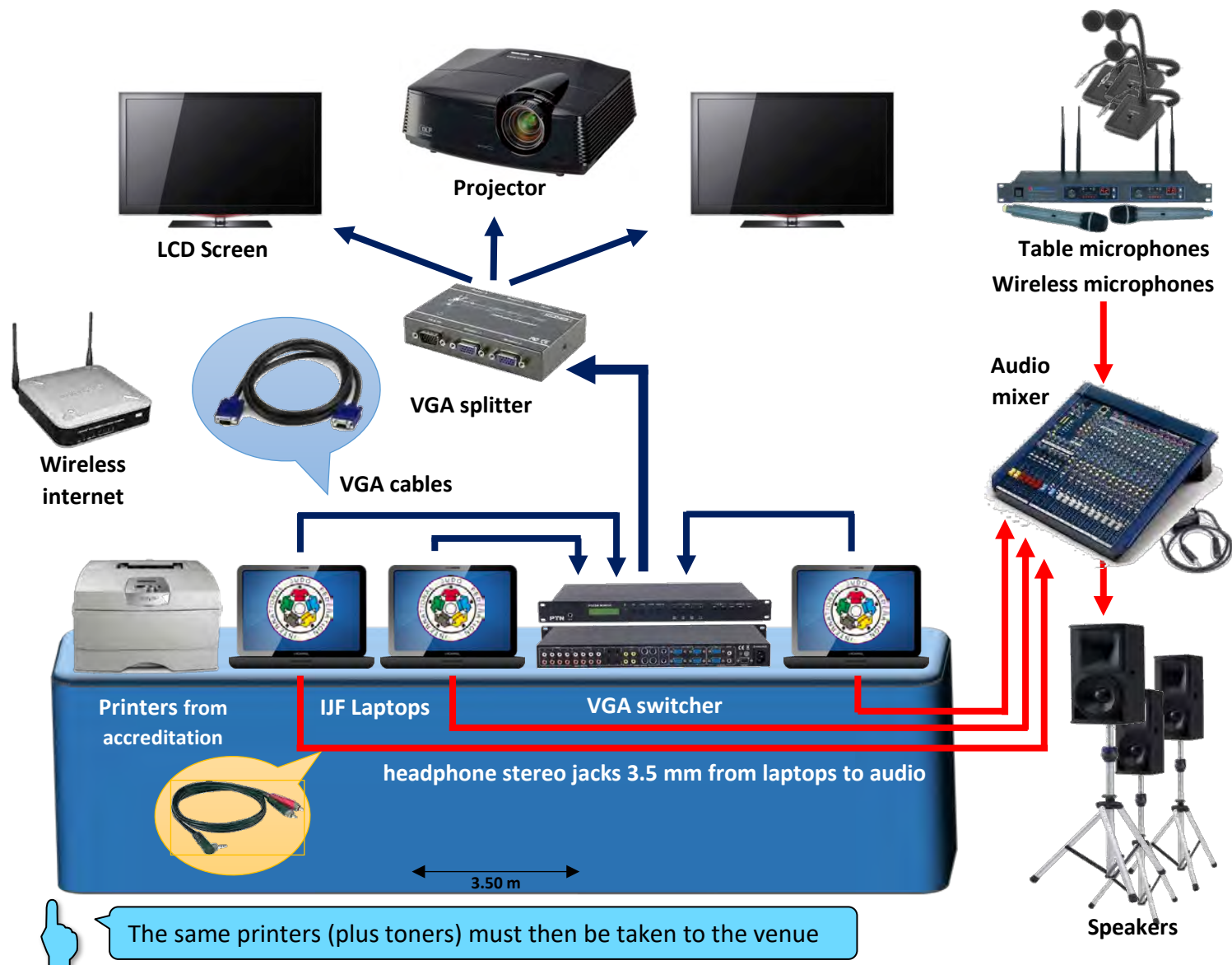
Network IP addresses from printers need to be set manually to 192.168.2.8 and 192.168.2.9

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



IT Requirements

Draw Technical table



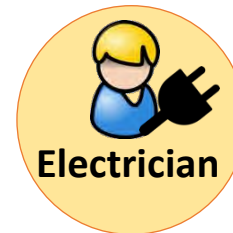
	Checklist	<input checked="" type="checkbox"/>
1	Projector (VGA input, 3000 ANSI Lumen or more)	<input type="checkbox"/>
2	LCD Screens* (50", VGA)	<input type="checkbox"/>
1	VGA switcher (3x VGA in, 1x VGA out, seamless switching)	<input type="checkbox"/>
1	VGA splitter (1x VGA in, 3x VGA out)*	<input type="checkbox"/>
6	Cabled microphones	<input type="checkbox"/>
2	Wireless microphones	<input type="checkbox"/>
1	Audio mixer (+cables)	<input type="checkbox"/>
	Speakers (+cables)	<input type="checkbox"/>
3	Audio cables from laptops to mixer	<input type="checkbox"/>
3	Ground loop isolators (for audio signal from laptops)	<input type="checkbox"/>
	VGA cables*	<input type="checkbox"/>
	Wireless Internet	<input type="checkbox"/>
2	Copy machines (50 ppm or faster, with sorting function)	<input type="checkbox"/>

* depending on room size more screens, splitters and VGA cables are needed



Power

for Referee Replay + Streaming



Electrician

6x

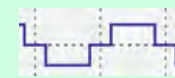


6x Uninterruptible Power Supplies (UPS):

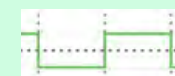
- Min. power each UPS: 980 Watts / 1440 VA
- Waveform Type: pure Sine wave



Pure sine wave



Simulated sine

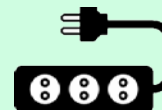


Square wave



Exclusive power lines:

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

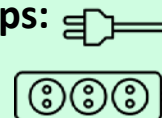


40x



min. 40x Multi-outlet power strips:

- With 3 or more plugs each

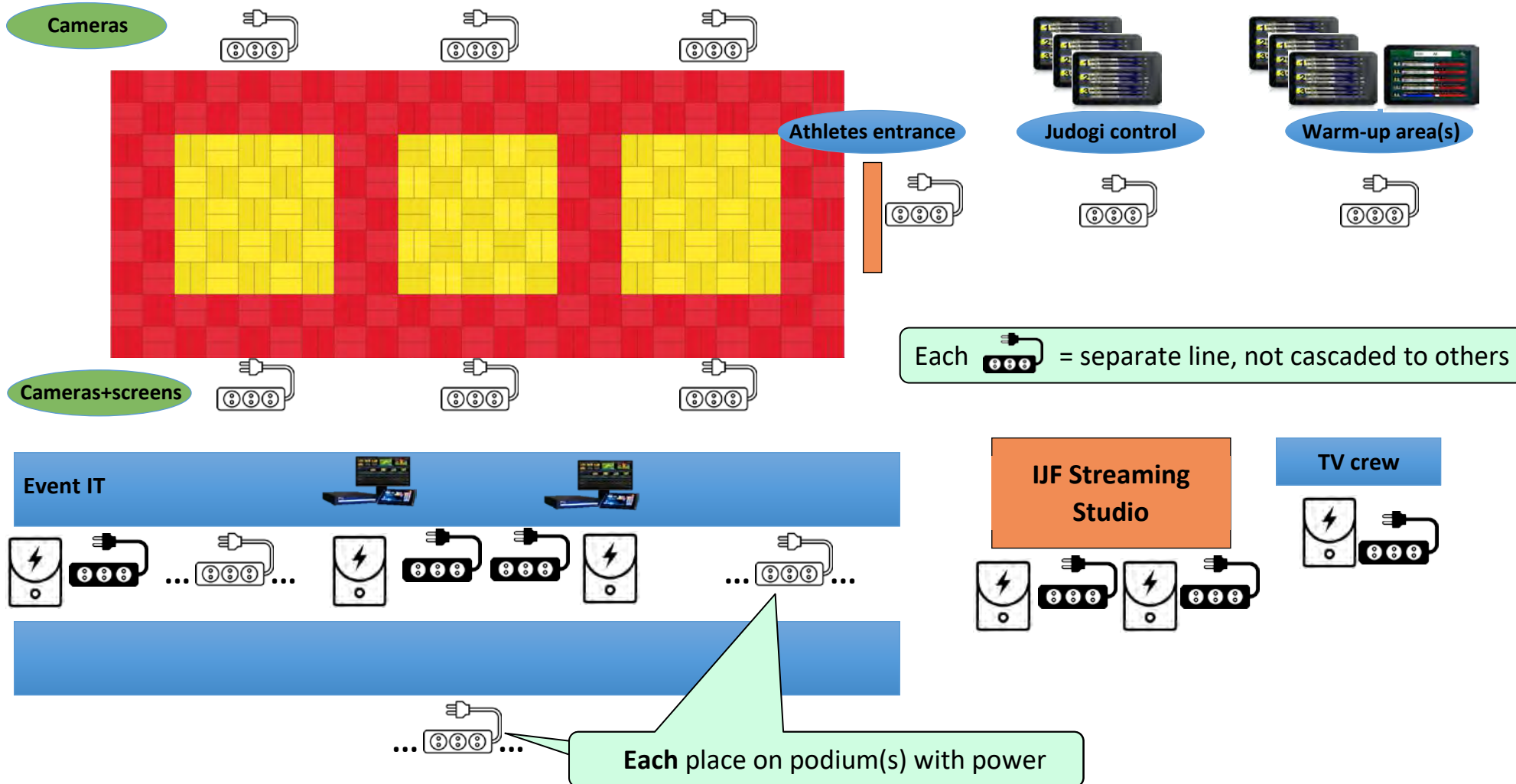
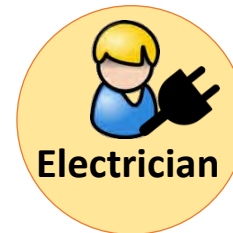


Checklist

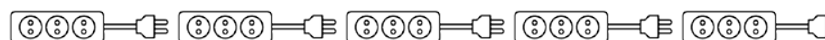
		<input checked="" type="checkbox"/>
6	UPS as specified	<input type="checkbox"/>
40+	Multi-outlet power strips	<input type="checkbox"/>
3	Power cable extension	<input type="checkbox"/>



Electricity points



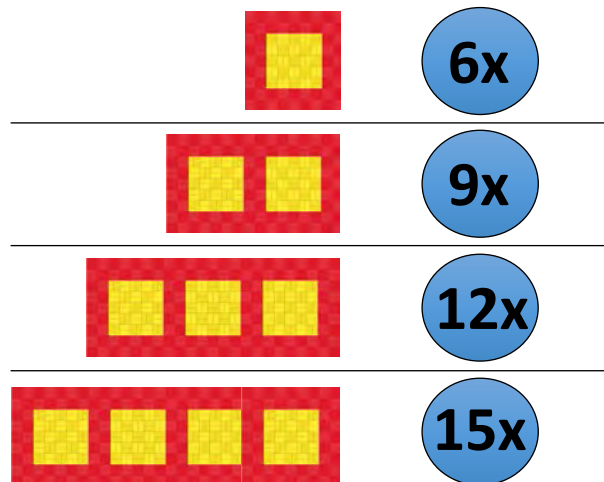
Do not cascade too many multiplugs!





IT Requirements

Laptops



Hardware Requirements:

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

Operating System Requirements:

- **MS Windows 10**
- **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/powersaver disabled
- Reduced screen brightness on battery

local IP 192.168.2.x

Location	x
Scoreboard	11, 12, 13,...
Judogi Control	21, 22, 23,...
Warm-up	31, 32, 33,...
CARE laptops	41, 42, 43,...
Replay machines	51. 52. 53,...

Subnet: 255.255.255.0

Gateway: empty

DNS: empty



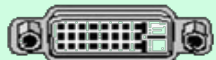
Monitors for Referee Replay + Streaming



12x

both:

DVI input



HDMI input



All TFT monitors:

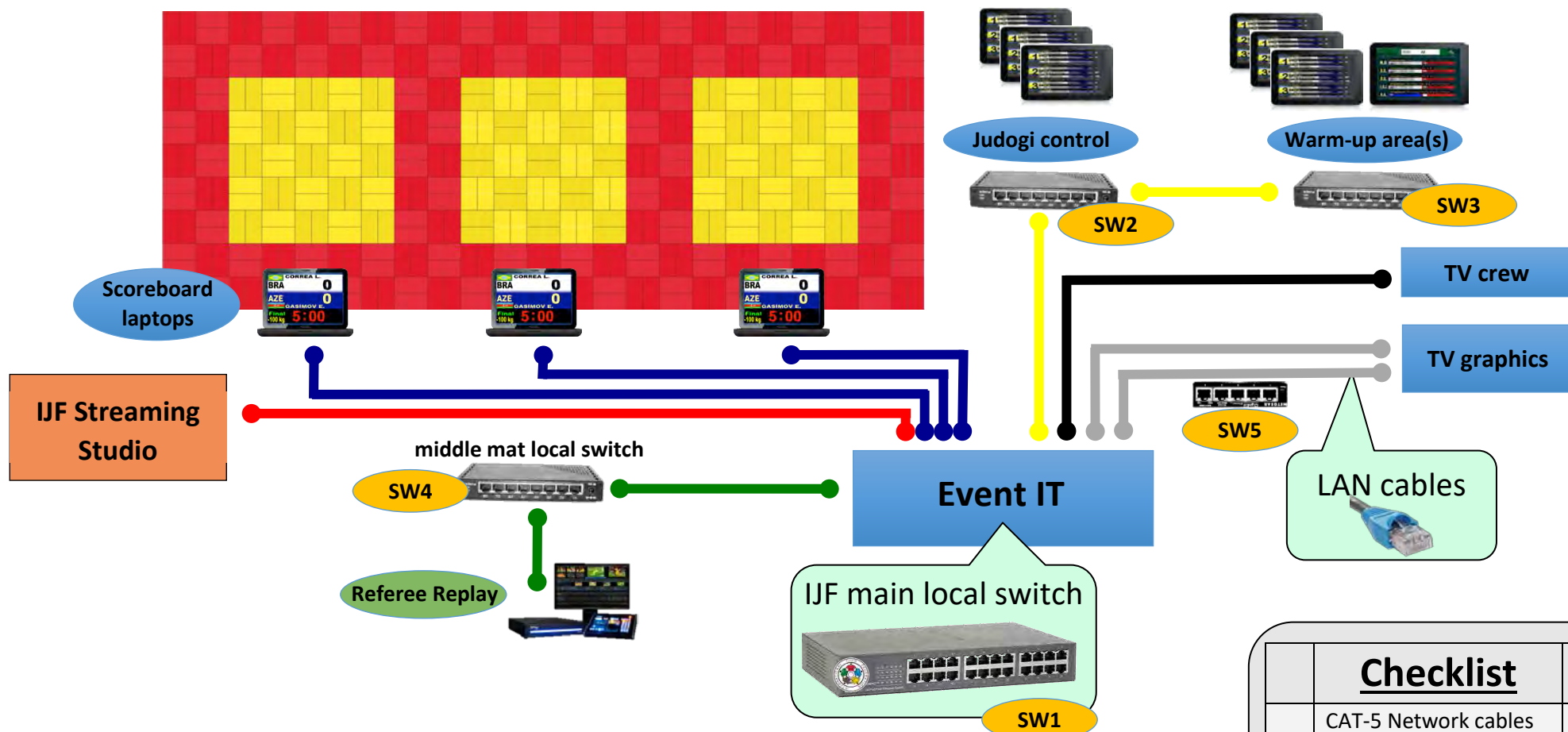
- **Size:** 23"-26"
- **Resolution:** 1920x1080 Full HD
- **Format** 16:9
- **Inputs:** DVI and HDMI

Checklist

12	Full-HD TFT Monitors with DVI and HDMI input	<input checked="" type="checkbox"/>
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Local Network



All cables labelled at central switch!

Local network must be physically separated from Internet network.

Each cable from **scoreboard** laptops and event IT must be **direct**, no switch in between!

Checklist

		<input checked="" type="checkbox"/>
	CAT-5 Network cables	<input type="checkbox"/>
5	Switches	<input type="checkbox"/>
	Reserve cable role, R45 plugs and crimping tools	<input type="checkbox"/>

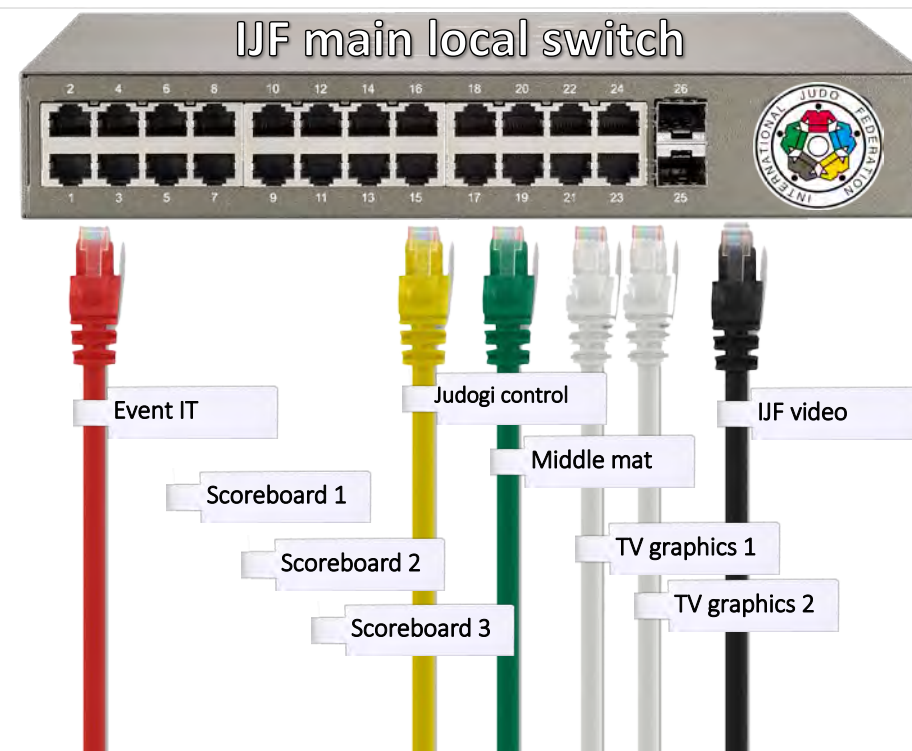


Local Network



Network switches		<input type="checkbox"/>
SW1	IJF main local switch located at IJF streaming studio (24 port by IJF)	<input checked="" type="checkbox"/>
SW2	Judogi-control local switch located at judogi control (8 port)	<input type="checkbox"/>
SW3	Warm-up area local switch located at warm-up area (8 port)	<input type="checkbox"/>
SW4	Middle-mat local switch located on middle mat (8-16 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 event IT management place	<input type="checkbox"/>
2	Cables from main local switch to scoreboard laptops mat 1, mat 2, mat 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 CARE laptops and IJF replay machines on mats 1, 2, 3, ...	<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 main local switch to IJF video team place	<input type="checkbox"/>

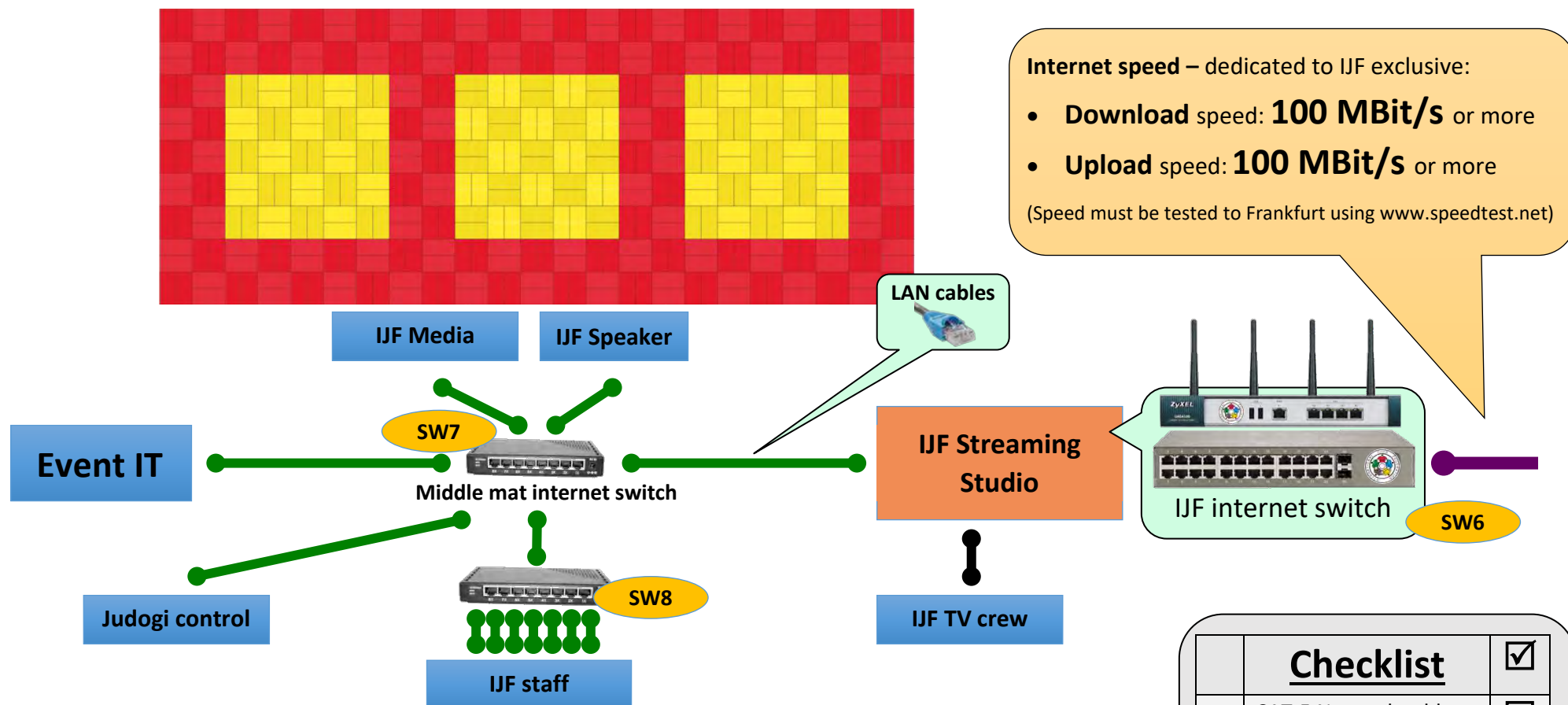


Key points:

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



Internet Network



Internet for Media/others is handled by organiser.

Internet line must be ready for test two days before start of event.

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

Checklist

		<input checked="" type="checkbox"/>
	CAT-5 Network cables	<input type="checkbox"/>
3	Switches	<input type="checkbox"/>
	Reserve cable role, R45 plugs and crimping tools	<input type="checkbox"/>

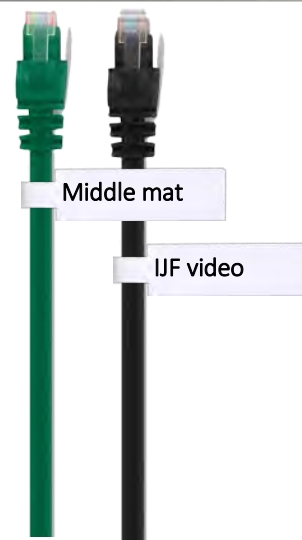


Internet Network



Network switches			<input type="checkbox"/>
SW6	IJF main internet switch located at IJF streaming studio (by IJF)		<input checked="" type="checkbox"/>
SW7	Middle-mat internet switch located on middle mat (8 port)		<input type="checkbox"/>
SW8	Staff internet switch located at IJF staff place (8 port)		<input type="checkbox"/>

Order of cabling			<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	Cables from middle-mat internet switch to IJF media place		<input type="checkbox"/>
14	Cable from middle-mat switch to event management place		<input type="checkbox"/>
15	Cable from middle-mat internet switch to staff internet switch		<input type="checkbox"/>
16	Six cables from staff internet switch to nearby IJF staff places		<input type="checkbox"/>
17	Cable from main internet switch to IJF TV crew place		<input type="checkbox"/>
18	Cable from middle-mat internet switch to judogi-control area		<input type="checkbox"/>



Key points:

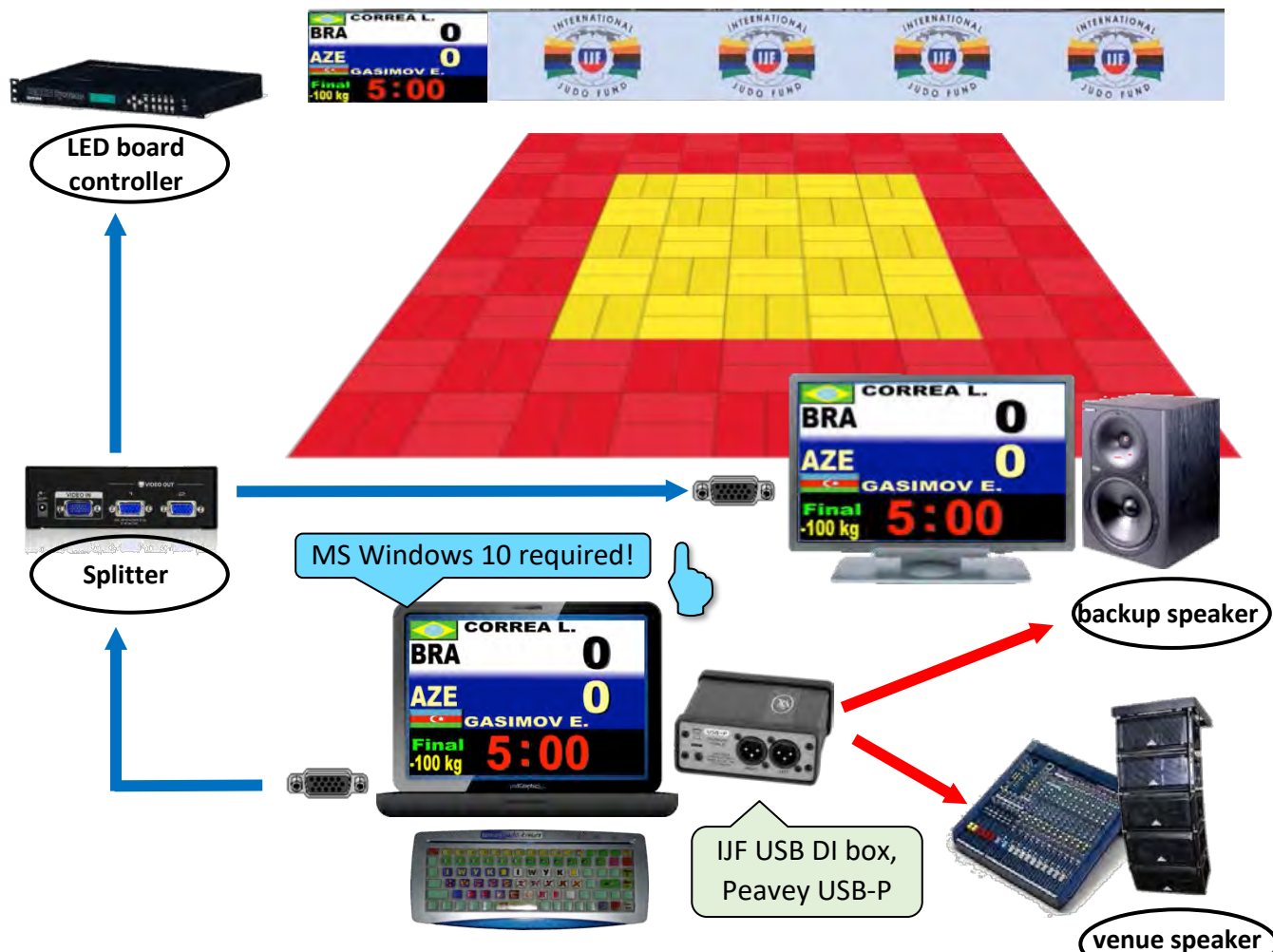
- Whenever a cable is ready:
 - Label with target location
 - Ping test
- No broken clips



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



Scoreboard Setup



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

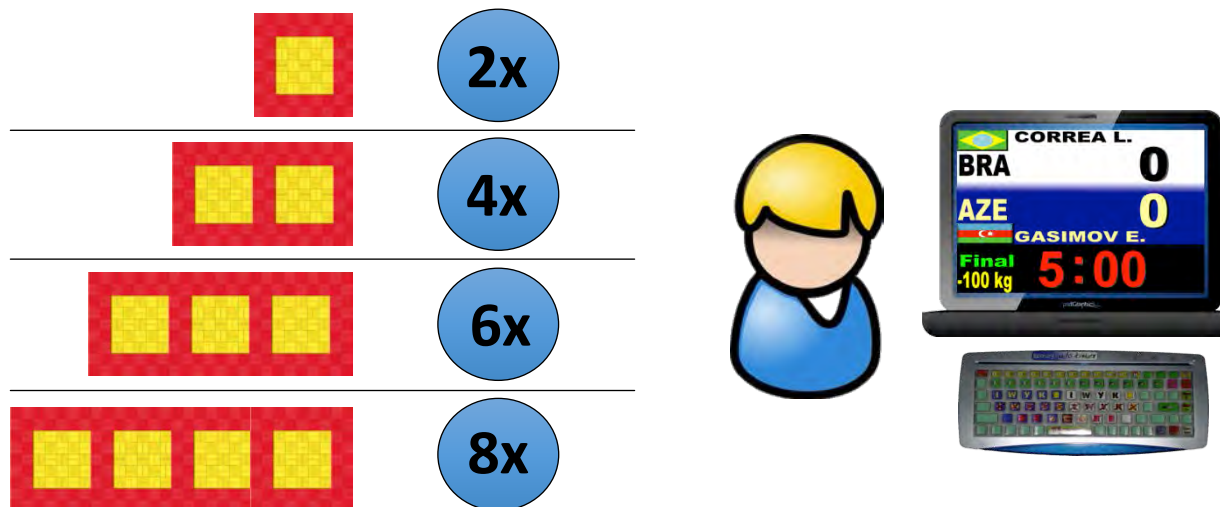


Connection from laptop via **VGA** or **HDMI** out

LED pannels scoreboard: >200 vertical pixel per meter recommended (min. 96 pixel/meter)



Scoreboard operators



Scoreboard operators from local organiser:

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

Introduction and briefing:

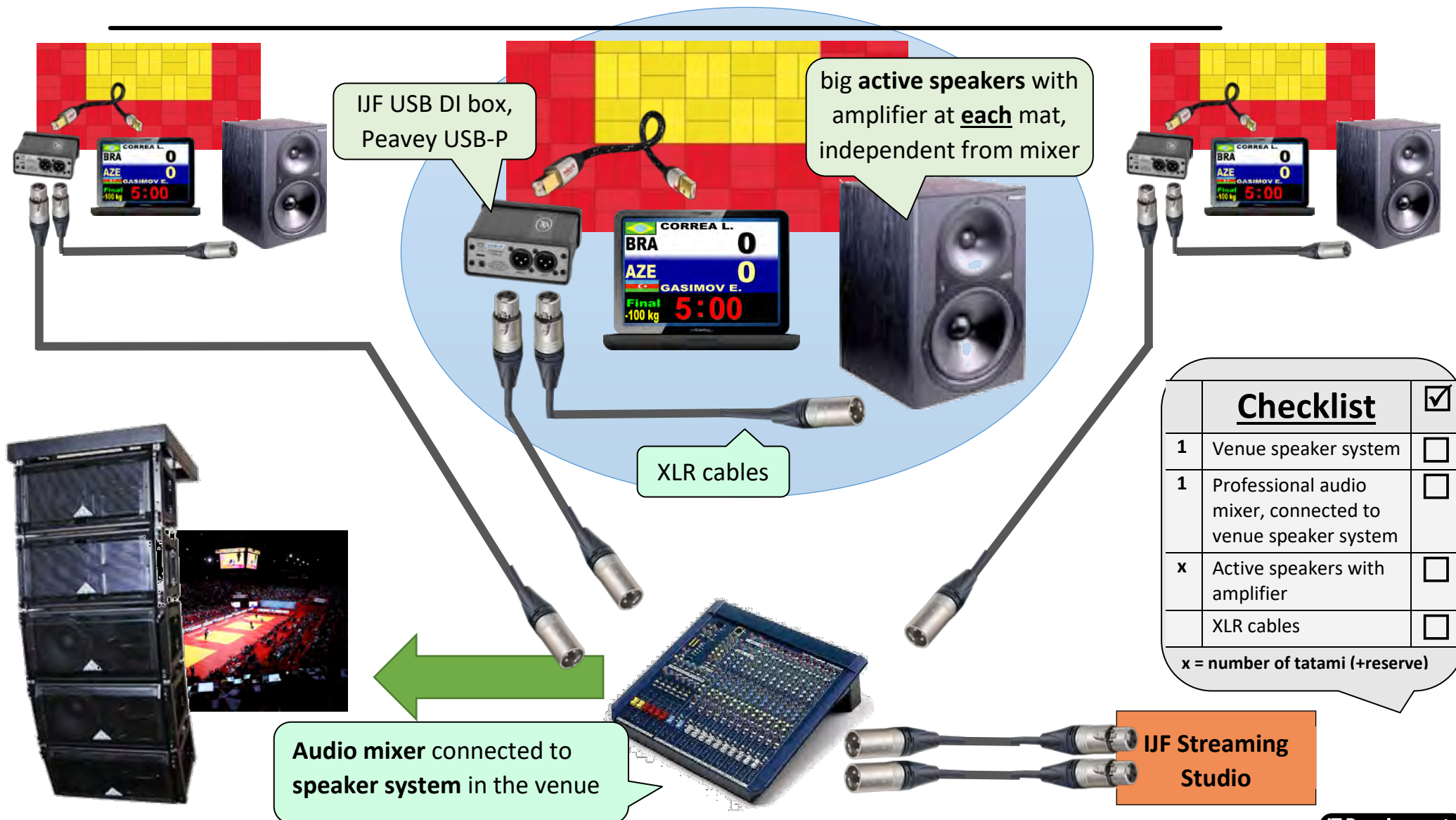
Day before start of competition at 19:00 in the venue

Checklist

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



Gong & Audio cabling



Checklist		<input checked="" type="checkbox"/>
1	Venue speaker system	<input type="checkbox"/>
1	Professional audio mixer, connected to venue speaker system	<input type="checkbox"/>
x	Active speakers with amplifier	<input type="checkbox"/>
	XLR cables	<input type="checkbox"/>
x = number of tatami (+reserve)		

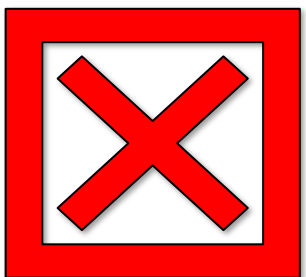


Gong & Audio cabling



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

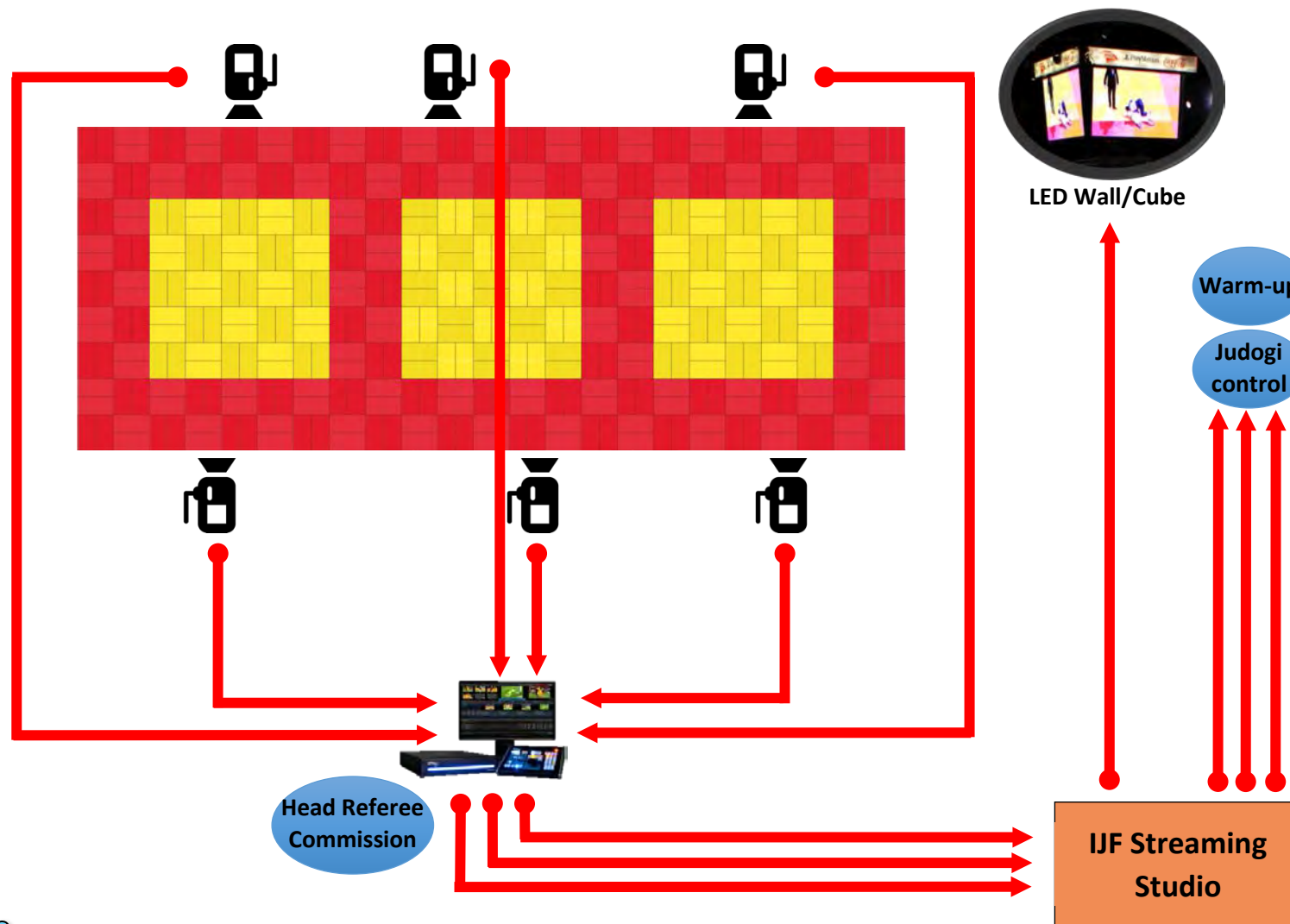
- Used solely for Gong signals from each mat as backup
- Directly connected to DI boxes from scoreboard laptops
- Gong signal must be heard in venue with noisy crowd





Video cabling organiser

Referee Replay
+ Streaming



All cabling done by
organiser with
high quality BNC
video cables

Checklist

	✓
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 video isolators	<input type="checkbox"/>
Reserve: HD-SDI BNC cable role 100-200 m, BNC connectors & crimping tools	<input type="checkbox"/>

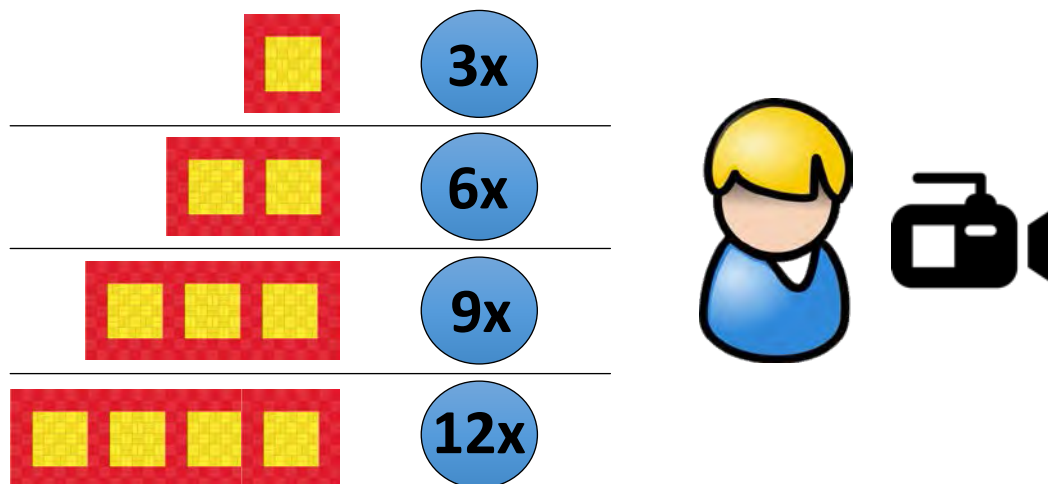


Use HD-SDI repeater or BNC <-> optical fibre for long distances!



Video camera operators

Referee Replay
+ Streaming



Camera operators from local organiser:

- ≥ 18 years old
- English speaking
- Judo background

Introduction and briefing:

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

Checklist

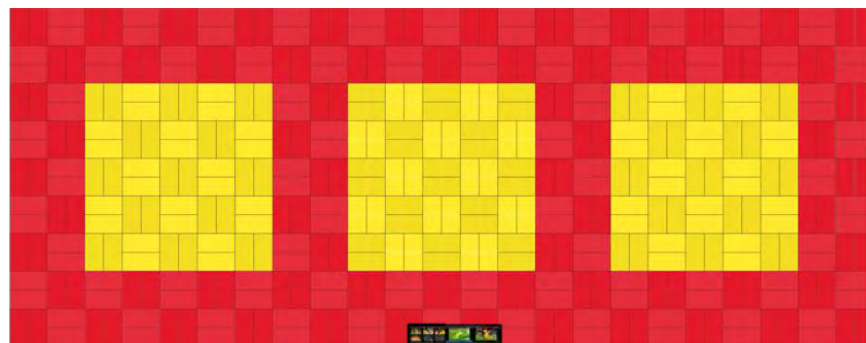
List of names of all
camera operators





Video signals from TV

Referee Replay
+ Streaming



All signals
**HD-SDI with audio
embedded** via
BNC cables!

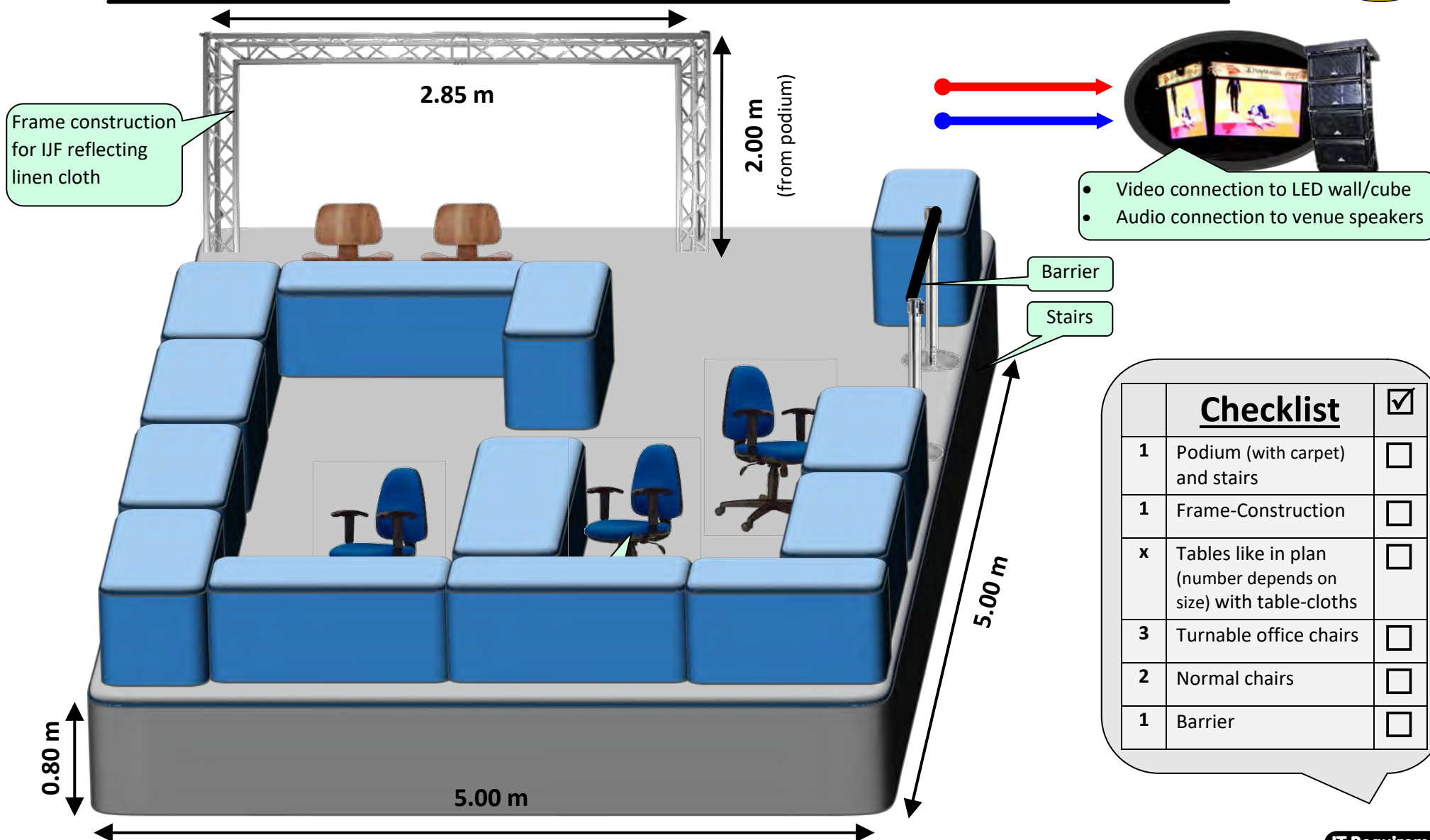


Use HD-SDI repeater or BNC <-> optical fibre for long distances!

	<u>Checklist</u>	<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 video isolators	<input type="checkbox"/>
	<u>Reserve:</u> HD-SDI BNC cable role 100-200 m, BNC connectors & crimping tools	<input type="checkbox"/>



Streaming Studio





Information system



Referee Draw



Field of play

2x

Contest order



Judogi control

Warm-up

2x per mat

Number of screens can be reduced by showing more than one mat on each screen.

Number of laptops can be reduced by using VGA/HDMI splitters at judogi control and long VGA/HDMI cables to warm-up area, cloning the signals

Coach Assistant

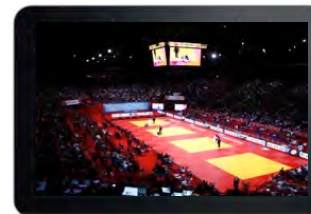


Warm-up

1-2x

Touchscreens recommended

Live TV from each mat



Warm-up

1 per mat

Signals and cabling done by the organiser. IJF can offer to provide HD-SDI signals from IJF Streaming Studio place. HD-SDI to HDMI or analogue converters and cables for each mat would be needed in this case.

Checklist

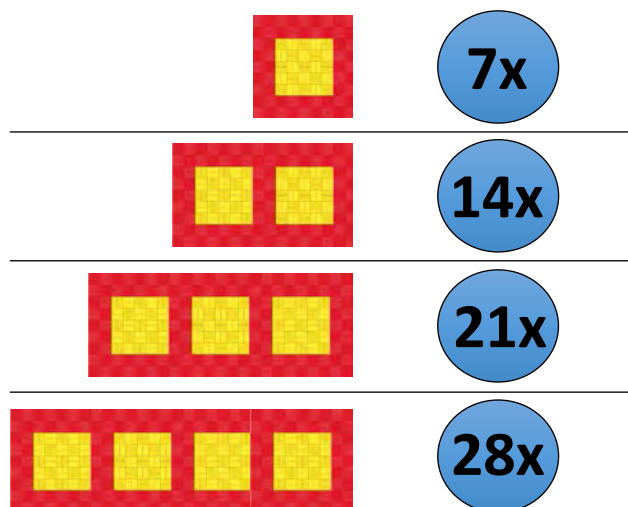
		<input checked="" type="checkbox"/>
x	LCD Screens Size 50" or more	<input type="checkbox"/>
x	Touchscreens for coach assistant	<input type="checkbox"/>
x	Laptops connected to local network	<input type="checkbox"/>
x	VGA/HDMI cables	<input type="checkbox"/>
x	Video cables	<input type="checkbox"/>

Number of screens and laptops depends on number of stations.

See as well „Local Network“ sheet for cable connections



Referee Radio System



+



+



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...



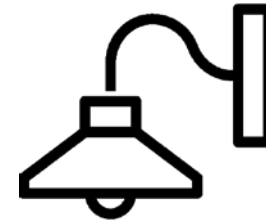
...keep running:



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!