

## **ISSF REQUIREMENTS**

### **TV PRODUCTION AND INTERNET STREAMING**

#### **GENERAL**

All TV and Internet rights for the ISSF competitions remain the property of the ISSF.

Organizers of the ISSF World Championships as well as World Championships Rifle/Pistol and World Championships Shotgun (level 1 competitions) must provide TV production and Internet streaming in accordance with Schemes 1r-p and 1sh utilizing 12 cameras and including the provision of the signal to the EBU.

All finals in individual, Mixed Team and Team events in 10m Air Rifle, 10m Air Pistol, 25m Rapid Fire Pistol, 25m Pistol, 50m Rifle 3 Positions, Trap and Skeet Seniors should have both TV and Internet streaming coverage.

All other events should have Internet streaming coverage.

Organizers of the World Cups as well the World Championships Juniors (level 2 competitions) must provide the Internet streaming (production of the TV signal is highly desirable) according to Schemes 2r-p and 2sh for the camera positioning.

The TV crew proposed for the production are to be approved by the ISSF no later than 5 months before the competitions. After approval they will get the title of Host Broadcaster (HB).

The schedule of preparations for the TV production including training productions should be provided by the HB to the ISSF for approval and coordination no later than 3 months before the competitions.

Schedules of broadcasting and streaming of finals should be presented by the HB to the ISSF no later than 2 months before the competitions.

All technical coordination with EBU and signal takers will be done by the Host broadcaster after the schedule is approved and the ISSF informs about necessary bookings with EBU.

TV/Internet commentators are to be approved by the ISSF.

Organizers of the Gran Prix tournaments Rifle/Pistol or Shotgun (level 3 competitions) must provide high speed Internet. Schemes 3r-p and 3sh are applied to the camera positioning.

Production crew should be submitted to the ISSF for approval no later than 3 months before the competitions.

The streaming schedule should be provided to the ISSF for approval no later than 1 month before the competitions.

During the competitions all Organizers must guarantee coordination with the EBU and the ISSF media officer to provide reliable TV signal and Internet streaming

\*Internet streaming means streaming to the ISSF Internet resources – website, YouTube, Facebook.

## **TECHNICAL REQUIREMENTS**

### **TV LEVEL 1 – CAMERA PLAN AND EQUIPMENT REQUIREMENTS**

#### **RIFLE / PISTOL (12 cameras)**

1 OB-Van 1080i 50  
2 Power generators (main and back-up) for the OB-van  
Video Switcher  
Audio Mixer

#### **OB-van cameras:**

#5 - SSM, x80, on tripod  
#8 - SSM, x14,ENG  
#9 - ENG camera on RF channel with x14 lens with 1-way IFB  
#10 - x22 ontripod  
#11 – crane camera x14

#### **4 mini cameras:**

#1,2 3, 4 - x22 or similar, with zoom, with robotic heads, on the floor

#### **2 SSM cameras (75-150 fps)**

#6 and #7 - SSM (75-150 fps), x40 lens, on robotic heads, raised from the floor by 120 centimeters

#### **1 crane**

#11 - crane (6 meters) with OB-van camera, wish zoom, with tilt/pan

All cameras to have Tally and talk-back

3 EVS (3 x 6-2 all in network) with X-files

#### **Audio:**

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digitalrecorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2pcs

#### **Monitors:**

7 monitors 1920x1080 30 inches +

#### **Internet streaming:**

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

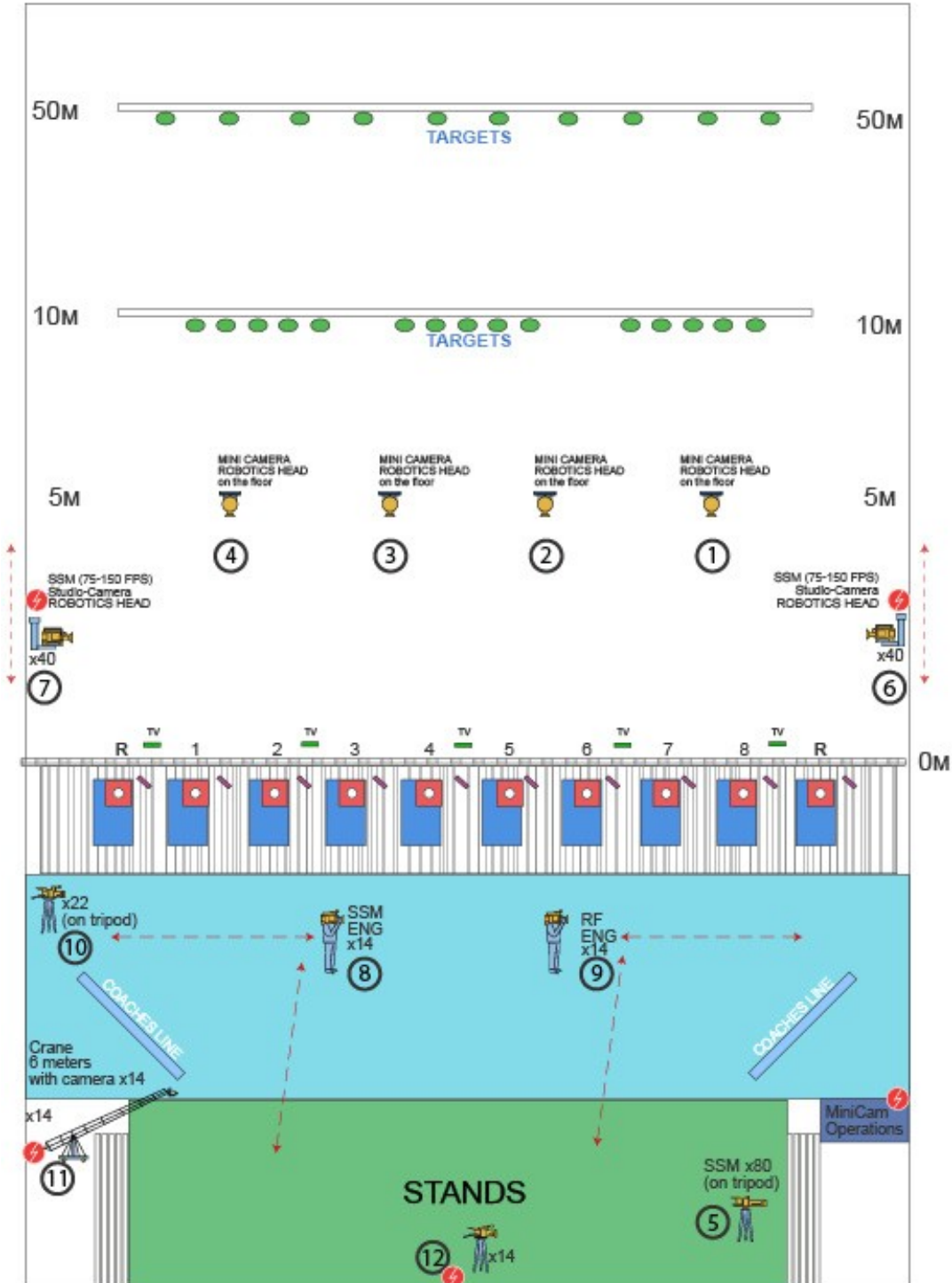
#### **Graphics:**

Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

#### **Others:**

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff  
SNG

# CAMERA PLAN (12 cameras)



## **SHOTGUN (10 cameras)**

1 OB-Van 1080i 50  
1 SNG  
2 Power generators (main and back-up) for the OB-van  
VideoSwitcher  
Audio Mixer

### **OB-Van cameras:**

#1 - x80 **SSM** (75fps) on tripod (with wheels)  
#2 - x22 on tripod  
#3 - x80 **SSM** (75fps) on tripod  
#4 - x40 on tripod (with wheels)  
#5 - x80 **SSM** (75fps) on tripod (with wheels)  
#6 - x14ENG  
#7 - x14ENG  
#8 - x14 on RF Steadicam  
#9 - x14 on a Crane  
#10 - QuadCopter streaming 1080i LIVE (Phantom Inspire or better. Phantom 4 not acceptable)  
1 Crane 6 meters with robotics head (including dolly operator)  
1 Steadicam on RF channel with IFB for cameraman  
All cameras to have Tally and talk-back  
3 EVS (3 x 6-2 all in network) with X-files

### **Audio:**

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digitalrecorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2pcs

### **Monitors:**

7 monitors 1920x1080 30 inches +

### **Internet streaming:**

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

### **Graphics:**

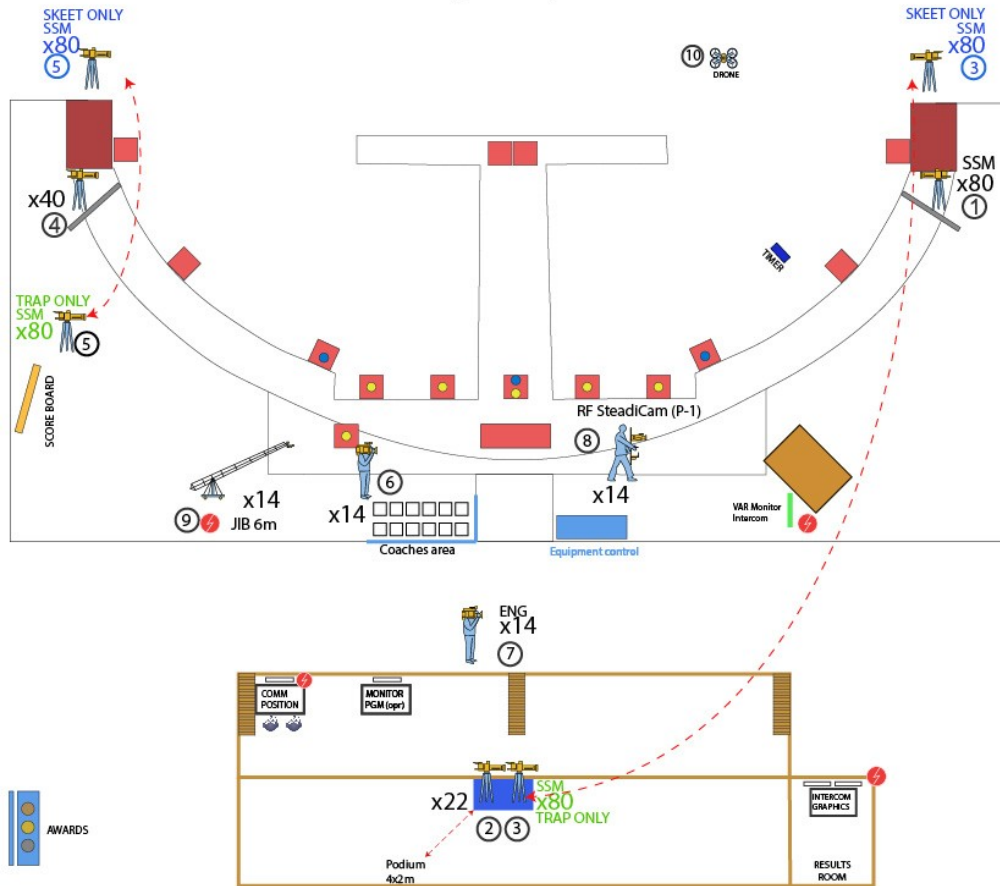
Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

### **Others:**

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff  
SNG



### CAMERA PLAN (10 cameras)



## TV LEVEL 2 – CAMERA PLAN AND EQUIPMENT REQUIREMENTS

### RIFLE / PISTOL (9 cameras)

1 OB-Van 1080i 50  
2 Power generators (main and back-up) for the OB-van  
Video Switcher  
Audio Mixer

#### OB-van cameras:

#5 - x80, SSM, on tripod  
#6 - x14, ENG  
#7 - x22, ontripod  
#8 - x14, crane camera  
#9 - x14, ontripod

#### 4 Mini cameras:

#1,2 3, 4 - x22 or similar, with zoom, with robotic heads, on the floor

#### 1 crane

#8 - crane (6 meters) with OB-van camera, wish zoom, with tilt/pan

All cameras to have Tally and talk-back

2 EVS (2 x 6-2 all in network) with X-files

### Audio:

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digitalrecorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2pcs

### Monitors:

7 monitors 1920x1080 30 inches +

### Internet streaming:

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

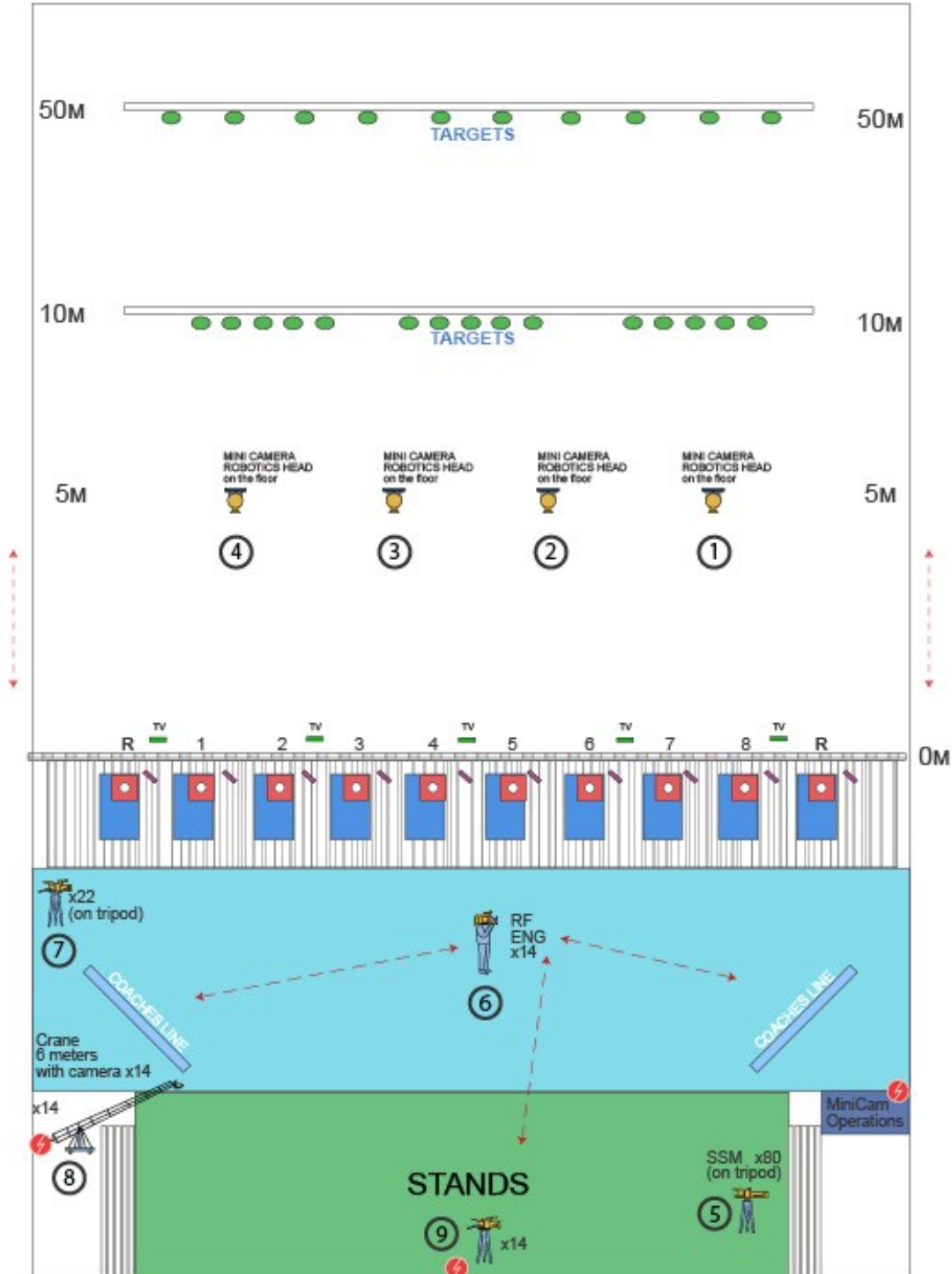
### Graphics:

Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

### Others:

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff  
SNG

# CAMERA PLAN (9 cameras)



## **SHOTGUN (8 cameras)**

1 OB-Van 1080i 50  
1 SNG  
2 Power generators (main and back-up) for the OB-van  
VideoSwitcher  
Audio Mixer

### OB-Van cameras:

- #1 - x80 **SSM** (75fps) on tripod (with wheels)
- #2 - x22 on tripod
- #3 - x80 **SSM** (75fps) on tripod
- #4 - x40 on tripod (with wheels)
- #5 - x80 **SSM** (75fps) on tripod (with wheels)
- #6 - x14 ENG
- #7 - x14 on RF Steadicam
- #8 - x14 on a Crane

1 Crane 6 meters with robotics head (including dolly operator)  
1 Steadicam on RF channel with IFB for cameraman  
All cameras to have Tally and talk-back  
3 EVS (3 x 6-2 all in network) with X-files

### **Audio:**

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digital recorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2 pcs

### **Monitors:**

7 monitors 1920x1080 30 inches +

### **Internet streaming:**

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

### **Graphics:**

Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

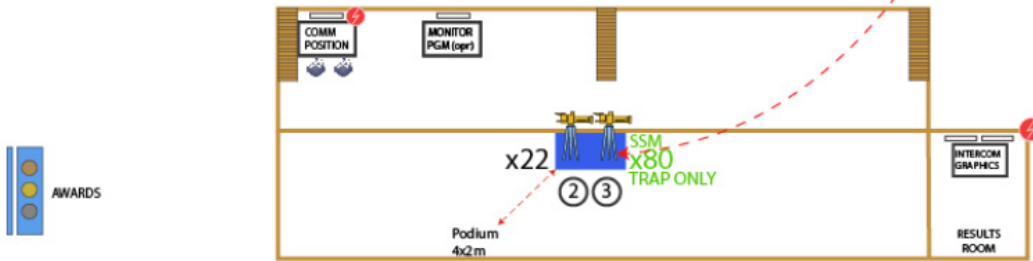
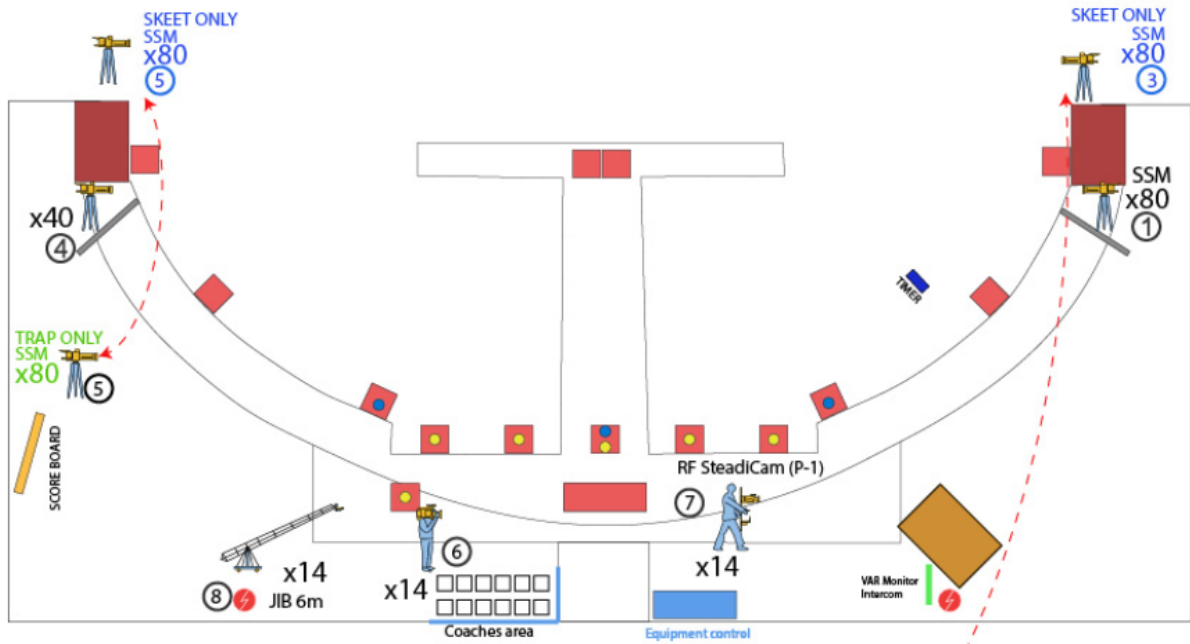
### **Others:**

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff  
SNG





### CAMERA PLAN (8 cameras)



## TV LEVEL 3 – CAMERA PLAN AND EQUIPMENT REQUIREMENTS

### RIFLE / PISTOL (6 cameras)

1 OB-Van 1080i 50  
2 Power generators (main and back-up) for the OB-van  
Video Switcher  
Audio Mixer

OB-van cameras:

- #3 - x80, SSM, on tripod
- #4 - x14, ENG
- #5 - x22, on tripod
- #6 - x14, on tripod

2 mini cameras:

- #1, 2 - x22 or similar, with zoom, with robotic heads, on the floor

All cameras to have Tally and talk-back

1 EVS (6-2) with X-files

### Audio:

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digital recorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2pcs

### Monitors:

7 monitors 1920x1080 30 inches +

### Internet streaming:

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

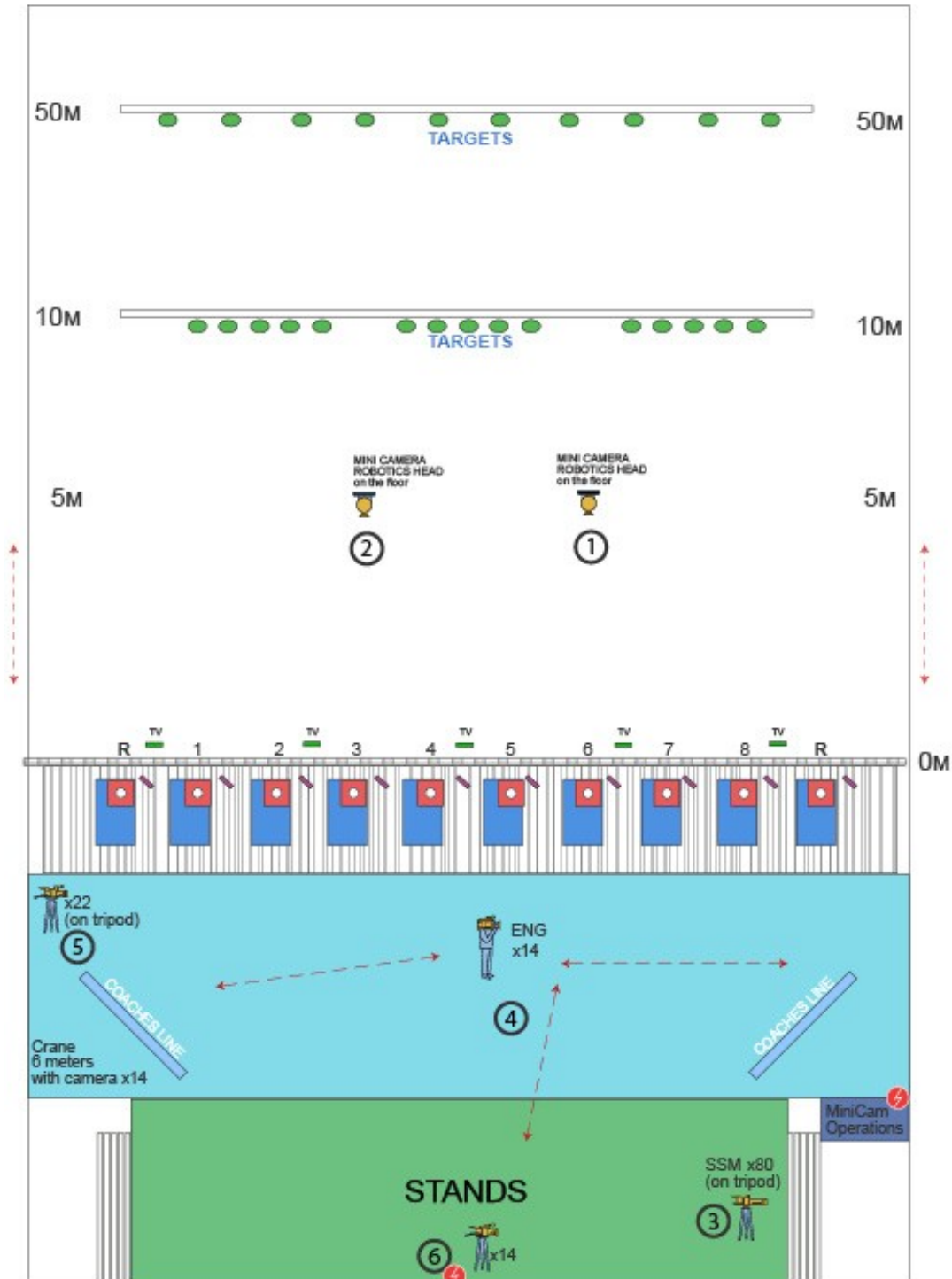
### Graphics:

Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

### Others:

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff

# CAMERA PLAN (6 cameras)



## **SHOTGUN (5 cameras)**

1 OB-Van 1080i 50  
2 Power generators (main and back-up) for the OB-van  
Video Switcher  
Audio Mixer

OB-Van cameras:

- #1 – x42 on tripod (with wheels)
- #2 – x14 on tripod
- #3 – x42 **SSM** (75fps) on tripod
- #4 – x22 on tripod (with wheels)
- #5 - x14 ENG

All cameras to have Tally and talk-back  
1 EVS (6-2) with X-files

### **Audio:**

International sound microphones and stands  
Radio transmitters/receivers, radio sets, alkaline batteries  
Digitalrecorder/playback  
Commentator unit with 2 headsets - 1 pcs  
External intercom – 2pcs

### **Monitors:**

7 monitors 1920x1080 30 inches +

### **Internet streaming:**

PGM with International sound + commentary (MIX)  
Streaming to **LiveStream + Youtube + Facebook**

### **Graphics:**

Graphics to be applied by ISSF partners in the OB-van and on the final range  
Provide Key+Fill+Reference, Ethernet cable for data connection, LAN cables

### **Others:**

HDD recorder  
USB recorder (<10 mbit)  
Yellow Jackets  
Walkie Talkie  
Engineering Staff

CAMERA PLAN  
(5 cameras)

