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# SGDC SUMMER GQ + BQE

## 30<sup>TH</sup> OF JUNE 2024

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### Schedule

Pilots arrive	09:00
Pilots check in	09:00
Pilot briefing	09:15
Qualifying	09:30
Track tear down	17:00
Vacate site	17:30

### Location

Yate Outdoor Sports Complex  
Broad Ln  
Yate  
Bristol  
BS37 7LB

<https://goo.gl/maps/43mFSPcVK2mBpYfk7>

The schedule is approximate and weather dependent.

Drinks and snacks are available in the cafe.

Hot food is available until 3pm.

### COVID-19

**If you show signs of any symptoms or have been told to self-isolate please do not attend our event and contact us ASAP so we can offer your place to the next reserve.**

### IMPORTANT NOTES

Please arrive in time to check-in

Arrive with **props off** and prepared to perform a failsafe check and **TX power check**

Have your **VTX set to the correct channel**

**NO TAKING OFF FROM THE RED RUNNING TRACK**

**ABSOLUTELY NO ILLEGAL SUBSTANCES**

Please appraise yourself of the track (see below for links)

## Race Format

### Check-in

Please bring all the quads you wish to race to check-in at 09:00.

We will check

1. Failsafe (arrive with **props off**)
2. Insurance (if not uploaded to IFPV)
3. VTX power set to 25mW (this will be checked with a power meter)
4. TX power set to 100mW - 2.4 GHz / 25mW - 900 MHz (show your settings screen)
5. CAA Operator ID label visible

### Heats

You will remain in the same heat and use the same video frequency throughout all rounds.

Heat lists are provided at the end of this pack, and in the covering email, and will be available on <http://SGDC.liveFPV.com> throughout the day. Please arrive with your quads set to the correct channel.

Qualifying heats will consist of up to 6 pilots and will be labelled numerically - please listen for your heat number so that you are ready in time for your next race.

For all rounds, you will have 2 minutes to complete as many laps as you want, then 30 seconds to finish the remainder of your current lap.

Your lap time does not start until you cross the start line, so co-ordinate with your fellow pilots to avoid mid-air starts at the start.

Once the round is over or you hear '<Pilot Name> done,' land in the landing zone quickly and safely **without showboating**.

All pilots will be seeded into finals by their best fastest 3 consecutive lap times, if two pilots have equal times, then their positions will be determined by a Tie Breaker.

There will be no lap cap - your best 3 consecutive laps will be counted. If your battery is depleted, you should land.

### BQE Local Variation

We have been granted a "Local Variation" on the BQE format:

- Mains will be seeded by single "Fastest 3 Consecutive".
- You must complete every element before proceeding. This contrasts the BDRA rule of requiring 2 attempts per element.
- Finals will be a maximum of 3 laps.
- Specifications for 7" props are incompatible, you may only be eligible for either event. 5" and 6" craft are unaffected.



**Qualifying Format**

The qualifying format is “Fastest 3 Consecutive”. Your fastest 3 laps in a row in any of your rounds will be used to determine your entry to the MultiGP GQ Leaderboard and BQE final rounds.

**BQE Finals**

Final format will be triple finals for all and will be conducted according to the current BDRA ruleset, however we have been granted a “Local Variation” on the finals format, see above.

All finals will be run over 3 laps.

Points on offer per final are as follows:

- 10 points for 1st
- 7 points for 2nd
- 5 points for 3rd
- 3 points for 4th
- 1 points for 5th
- 0 points for 6th

Points will be added together to determine your final finishing position from all 3 finals.

**Rounds and Practice**

There will be no more than 10 qualifying rounds during which you can put in your official entry. Due to time constraints there will be NO practice rounds.

**Track teardown & prizes**

We would ask that, if possible, pilots help with the ‘teardown’ process of the event; track equipment as well as the pits and race control area. This would be greatly appreciated!

Please take track equipment over to our shed.

Stay for the prize ceremony if you can, you may have won a prize, and there will also be a raffle!

**Simulator & Virtual track walk**

The track is available to download in Velocidrone as “2024 MultiGP Summer GQ”

Virtual track walk is available on YouTube:

<https://www.youtube.com/watch?v=cv4SA6w1Dr8>

## Mandatory Drone Rules

<b>Frame size</b>	Motor to motor distance of 305 mm maximum
<b>Props</b>	5" and 6" can enter both competitions. MultiGP 7" spec is incompatible with BDRA.
<b>Weight</b>	Up to 800g AUW
<b>Battery</b>	Up to 4.35V per cell
<b>Video</b>	PAL or NTSC are allowed, Analogue & HDZero (firmware version > 20102021)
<b>Turtle mode</b>	<b>Not allowed:</b> On or beyond the red running track <b>Allowed:</b> When on the grass within the bounds of the red running track
<b>VTX power</b>	25 mW maximum, testing to take place if required
<b>TX power</b>	100 mW maximum, transmitter settings may be reviewed
<b>Failsafe</b>	All competitors must set up failsafe to cut motors COMPLETELY in the event of signal loss
<b>Crossfire</b>	Firmware $\geq$ 2.41, max output power of 25 mW
<b>ELRS / any 2.4 GHz</b>	Max output power of 100mW
<b>Lap timing</b>	Livetime & ImmersionRC LapRF VTX timing will be used, no transponders are required

## Event Rules & Etiquette

<b>Site rules</b>	Follow the site rules at all times, these can be found at the entrance gate. Anyone found violating the site rules will be asked to leave.  <b>Illegal substances will result in immediate ejection from the site.</b>  The track is strictly off-limits unless Race Control explicitly declares it safe to enter.
<b>Punctuality</b>	Pilots not checked in before the pilot briefing may not be allowed to fly.  Please be ready for your race before the previous one ends.  If you have a technical difficulty during setup that cannot be fixed before the 10s countdown, you must leave the track with your aircraft powered off and forfeit the round.
<b>Shelter</b>	The pit area is an undercover stadium style section of seats. Gazebos are not required to shelter from the elements.
<b>VTX</b>	We will be using channels R1, R2, R3, R4, R5, R6, R7, R8

Please make sure you are familiar and able to change your own video transmitter channel. If you cannot change your channel you may not be allowed to race.

Do not power up your video transmitter unless you are racing, doing so could result in immediate disqualification.

### **Spotting**

Make sure you fulfil the role of a 'spotter' for the race immediately before your own.

Competitors in the first race in each round should spot for the last race.

As a spotter it is also your job as a minimum to count laps, and inform pilots of any missed gates and track elements.

A TV will be provided should you be required to spot for HDZero & only have analogue equipment.

Some competitors may choose to have a certain individual as their spotter, please be respectful of this.

### **Charging batteries**

Power will be available in the pits area - please bring your own extension lead to ensure you will have power at your table.

### **STRICTLY NO CHARGING LIPOS INSIDE THE YOSC BUILDING**

### **Preparing to race**

A starting area / table is provided, you are welcome to use your own blocks & we will provide some with different angles.

Please stay behind the blocks at all times. Make sure other pilots are away from the blocks when you arm check.

### **Race start**

Upon pilots getting back to the flight line, Race Control will check that pilots are ready, calling for thumbs up - once Race Control has done this check, you will be given the starting procedure which comprises of the usual tones and a randomised period before a long beep to signify the start of the race.

Once the race has started you will have 2 minutes to do your laps, once the 2 minutes is up, you have 30 seconds to finish the lap you are on.

### **During the race**

If you crash and are unable to recover and continue flying, no matter how frustrated you may be, wait until the round finishes, any shouting or distracting other pilots will result in penalties.

Please keep race control and the pilot stations clear of distractions so that the Race Director can see and hear everything that is happening, and can communicate with the pilots when necessary.

If a gate becomes unflyable or the race director deems that there will be a disadvantage because of a damaged gate, the race will be stopped and the race re-run. Pilots will be given time to prepare their equipment to race again.

A race will only be stopped by the race director over the PA system as demonstrated in the pilot briefing. If anyone other than the race director says to stop flying, ignore them until the race director has made a decision.

### **Spectators**

Coloured props, LEDs and coloured turtle mode fins are advised to help spectators identify your quads as they fly around the track.

Spectators are encouraged but must not enter the track area.

The café / bar is open to everyone and also offers shelter and toilets. The kitchen will close at 3pm.

## Infringements

1. If you are unable to attend the race, contact the SGDC ASAP. We can then allocate your place to a reserve pilot.
  - a. No refunds will be given unless your place is filled by another pilot.
2. Competitors who miss a gate or flag must retry the gate or flag in a safe manner until it is completed, giving priority to any other competitor on the track whilst doing so
3. Competitors who gain advantage through a shortcut or jumped start must forfeit that advantage immediately by waiting off the racing line and re-joining at their appropriate position (and only when it is safe to do so).
4. Disrupting other pilots on the pilot line e.g. if you have crashed out, will have their best qualification result deducted. It is unfair on the other pilots, causing loud noise and moving past them is extremely off putting, this will be taken seriously and failure to listen to this rule further could result in disqualification.
5. If a competitor is flying in a dangerous manner then they will be subject to a forfeit, this decision is up to the race director. For example: Not disarming after a crash which leads to a further collision.
6. Repeated violations will result in a score of zero for that round and possible disqualification from the event.
7. Failure to comply with safety rules or announcements will result in instant disqualification from the event.

## Heat List and Channels

### Heat 1

Saul_fpv	R1 5658
Knighthawk	R2 5695
King Joshy	R3 5732
Carb	R4 5769
Danbuster	R5 5806
lightsail	R6 5843

### Heat 2

SIBO	R1 5658
(CircleS)	R2 5695
MrE	R3 5732
Batman	R4 5769
Steath	R5 5806
M4ttFPV	R6 5843

### Heat 3

Dacus	R1 5658
ScotttyDoo	R2 5695
Seckam	R3 5732
XO - XO	R4 5769
8M1	R5 5806
Silverfox	R6 5843

### Heat 4

MIT	R1 5658
ReikonFPV	R2 5695
Steve Rammer Rhodes	R3 5732
Mopatop	R4 5769
Iron-Ryan	R5 5806
Simpo	R6 5843

### Heat 5

Aaron	R1 5658
Pulquero	R2 5695
Derpy hooves	R3 5732
CruiseFPV	R4 5769
R8MXX	R5 5806
Clive	R6 5843



## Contacts Details

Facebook page <https://www.facebook.com/southglosrc>

Facebook group <https://www.facebook.com/groups/393480948047927>

Live FPV <http://SGDC.liveFPV.com>

Email [info@sgdc.co.uk](mailto:info@sgdc.co.uk)

Website <https://sgdc.co.uk>

Discord <https://discord.gg/vJW3eNH4Vd>

Please use Facebook Messenger for the quickest response.

### Race Director

Ryan Macleod

### Committee members

Leigh Elwell (MrE)  
Craig Oram (8M1)  
Aaron Smith (Aaron)  
Rob Haswell (Mopatop)  
Duncan Gabriel (CruiseFPV)  
Scott Barrett (ScottyDoo)

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