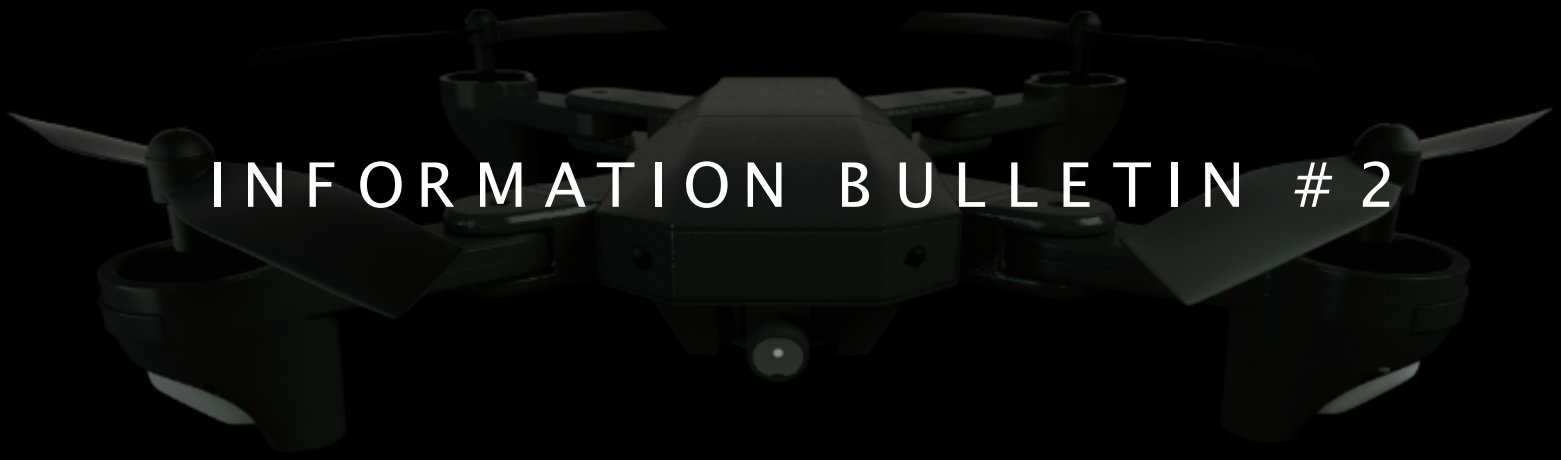
12TH OF MARCH 2019.

RACE
OF
DRONES
OULU



INFORMATION BULLETIN #2

OULU

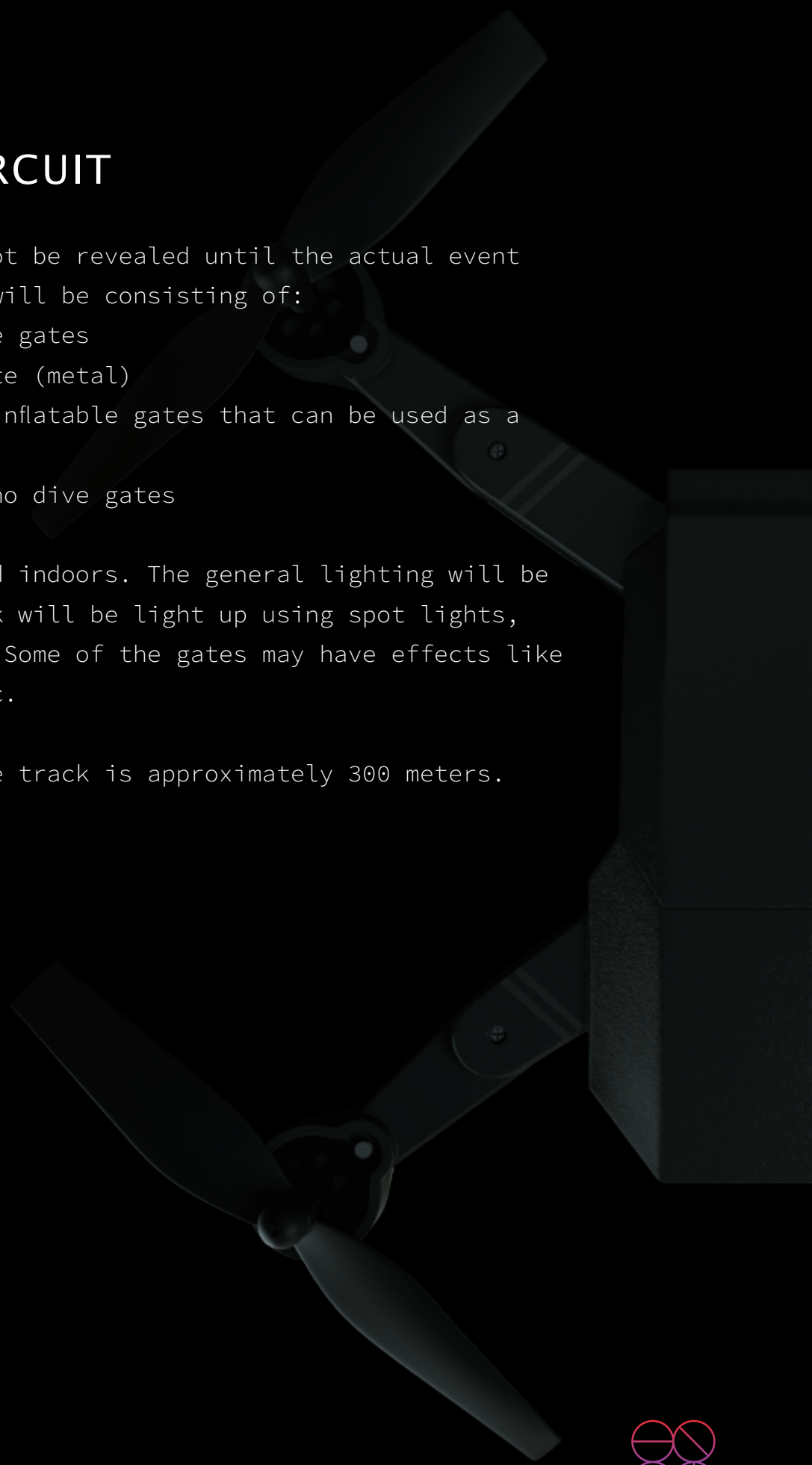
Oulu Capital of Northern Scandinavia

RACING CIRCUIT

The track will not be revealed until the actual event date. The track will be consisting of:
- 3 low inflatable gates
- 1 low truss gate (metal)
- 3 high (“TV”) inflatable gates that can be used as a double gate
- There will be no dive gates

The event is held indoors. The general lighting will be low and the track will be light up using spot lights, flood lights etc. Some of the gates may have effects like smoke, lights etc.

The length of the track is approximately 300 meters.



LEDS

NOTE: As previously indicated in bulletin 1, for audience visibility, the pilots must have visible LED lights on the drones.

The LEDs are color coded, with colors:

- RED
- GREEN
- BLUE
- YELLOW / WHITE

The LEDs must be visible from all directions (top, bottom, all 4 sides). The preferred way is to mount LEDs on top and bottom of each arm and additionally on the sides. Minimum LED count is at least 24 LEDs total, 32 recommended.

The pilots must be able to easily and reliably switch to the correct color before his/her run based on the assigned seat / frequency.

PRACTICE FLIGHTS

The practice flights are held at the beginning of the race day. The practice will be organised as heats of 4 pilots. The practice will be run the same way as the qualification heats, just the times are not recorded for the qualification.

There will be at least one practice round.

RACE FLIGHTS

The race flights will be run with 4 pilots in each heat.

Qualification stage

The method of the qualification will be confirmed at the race day, the limiting factor is the timing software used. Options are "top 3 consecutive" or "top 5 average".

The amount of qualifying rounds will be determined by the pace of the race and the allotted schedule. The minimum is 3 rounds but target is to run 5 rounds.

Elimination stage

The elimination phase will be run according to the Scenario C : the top 16 based on the qualification will move to the elimination bracket.

The elimination will be run using standard double elimination bracket.

There will be no additional rounds sequence included.

The amount of laps per race will be determined at the race based on the average performance during the qualification stage.

Final stage

The final will be organised as single race (the standard scenario).

JUDGES

In addition to live video monitoring of each fligth, the judging will be done using DVR recording of the flight.

It is possible that the pilots will need to act as judges (aka spotters) for the other pilots during the race, if it is not possible to organise enough dedicated judges. This will be confirmed at the race day.

In this case:

- it is mandatory for the pilot of the next heat to act as a judge for the previous heat OR arrange a replacement for him.

- if the pilot does not fulfill his duty as a judge, he is not allowed to fly on that round (unless authorized by the Race Director).

- during the elimination and final stages the pilots who did not qualify will be acting as judges.

The spotter will not do the actual judging but will inform the video judge / Race Director that the flight should be reviewed from the DVR, if they see that the pilot did an error in their run. The flight will also be monitored by the main video judge and the race director during the heat.

VIDEO FEED

The organisers will provide a video feed to the pilots. The same feed is used to judge the flights.

The main video receivers will be Immersion RC RapidFire modules. There will alternative video receivers available in case of hardware incompatibility or other issues. The pilots will be able to choose what receivers they want to use before each flight.

The video feed will be provided using 3.5 mm jack, compatible to FatShark goggles. In case pilot uses goggles that is not compatible, the pilot need to provide the adapter.

The provided video feed will also contain audio feed.

It is also possible for pilots to use their own receivers, but they need to be able to set up the receiver quickly and they will not be granted a reflight in case there is a video issue using other than house recievers.

HELPERS

The pilots are allowed to have one helper to take the quad to the flight line and to help them during the flight. No more than one helper is allowed to the flight line per pilot.

FLIGHT LINE

The flight line will be raised platform with a seat for each pilot. The pilot can choose to fly standing up, but the flight must happen from the dedicated flight line area.

STARTING PADS

The organisers will provide starting pands for the starting grid. The pads will be level and raised from the ground (on top of a table).

The pilots can not use custom starting pads.

CHARGING

There will be a dedicated charging area for charging batteries. The space will be limited and the pilots are required to keep an eye on the batteries that are being charged.

Do not leave your batteries charging unattented!

PITS AREA

There will be tables and chairs available at the pits area for pilots. Space is limited, so please mind fellow pilots. There will be aprox 1m2 of table space for each pilot (1/2 table per pilot).

There will be power provided to the pits area. The power is limited, bring your own extension cord.

It is not allowed to charge batteries at the table, the dedicated charging area must be used!

THANK YOU!

Thank you for joining us to the race!

If you for some reason can't come, please inform immediatelly to aprepo@fpvfinland.fi. We have a limited number of seats and there is a waiting list. In order to ensure we have the full 40 seats utilised, we need to be able to inform the pilots on the waiting list as soon as possible.

EVENT PARTNERS

OAMK

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MAKING IT HAPPEN

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