2024 Canadian Drone Racing Nationals

Organized by Drone Fest & Team Canada FPV
Sanctioned by MultiGP & MAAC

Friday, August 30th to Sunday, September 1st

Sorel-Tracy, QC, Canada
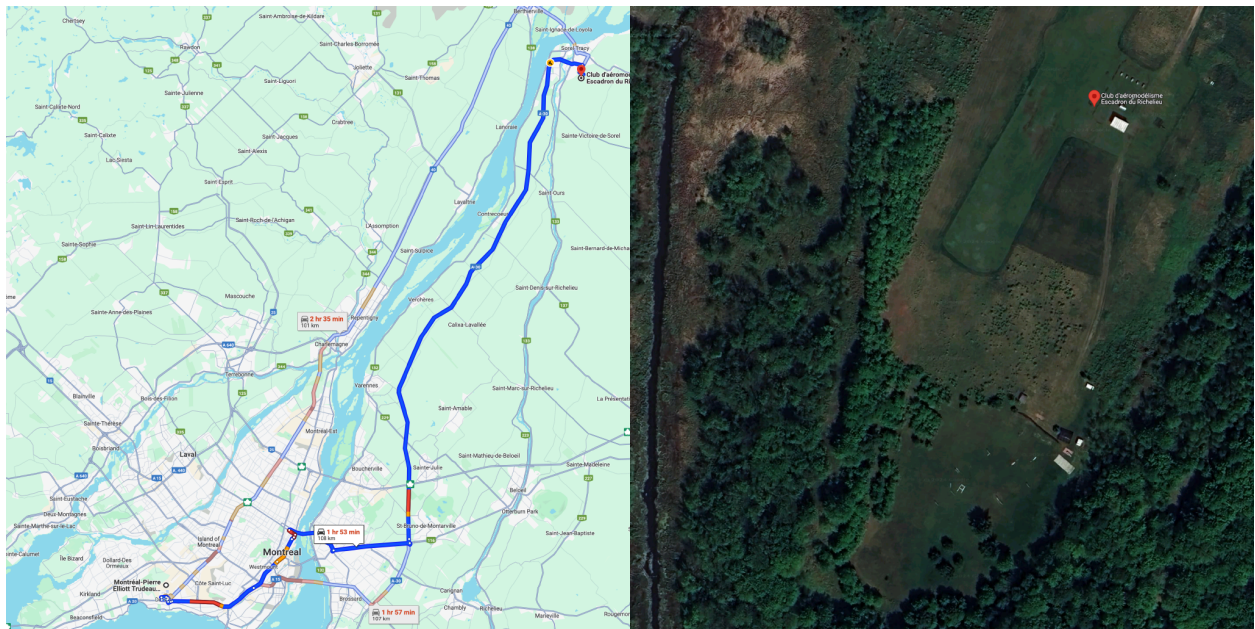**https://teamcanadafpv.org/nats**

Version en Français

Location

The 2024 Canadian Drone Racing Nationals (**2024 CDN**) will take place in Sorel-Tracy, Quebec, Canada, at the MAAC [Club d'aéromodélisme Escadron du Richelieu](#).

Coordinate: 46.011111, -73.103194
Address: 990 Chemin Champagne, Sorel-Tracy, QC J3P 7T1 ([Google map](#))

The closest airport to the venue is the Montréal-Pierre Elliott Trudeau International Airport (YUL), at 108 kilometers. The travel time from the airport to the venue is about 2 hours by car.

Amenities

- Electrical power will be provided in a designated area of the pilot's pits. No need to bring your own generator.
- Tents, tables and chairs will be provided to all the participants.
- Washrooms are available on site.
- Burgers and hot-dogs for sale will be available on site. Bottled water and sodas too.
- You can bring your own food but please be respectful with the hosting club. No littering allowed.
- Parking available.

Hardware & Class Requirements

General

All registered drones need to go through technical inspection and adhere to the following hardware requirements:

- 5.8Ghz FPV Analog or HDZero only.
- 25mW VTX power max. Need to be able to easily switch to Raceband 1-8.
- Antenna polarization must be easily switchable. Even channels use RHCP, and odd channels use LHCP.
- Any RC link protocol as long as between 2.4GHz and 900MHz. 100mw output power, non dynamic.
- Any ESC firmware.
- Every drone needs its MAAC membership Numbers in a visible area.

Open Class

Requirements:

- AUW a maximum of 800g.
- No LiPo battery limit.
- No prop size limit.

7in Spec Class

Based on the recent 7in Spec adopted at the 2024 MultiGP International Open, following these requirements:

- AUW a minimum of 1280 grs
- 5S 2200 mAh LiPo Battery
- Gemfan 7043 props (provided by sponsor)
- Betaflight 4.4 or 4.5 KAACK + Firmware set to "MGP Pro Spec"
- 7in frame with traditional arms (ie Spec 7, Prig, etc), in which the total cross sectional area of the arms is greater than 90 mm²
- Any 2808 class motor or motor with a stator volume less than a 2808 motor
- The drones must have LEDs visible from all angles (night track)

Event Registration

Any drone pilot can register to the **2024 Canadian Nationals**, as long as the following criterias are met:

- Have a multigp.com account
- Have a valid 2024 MAAC membership
- Have a Basic or Advanced Transport Canada RPAS Certification

To register for the event, visit https://teamcanadafpv.org/nats and click on "Buy Ticket." Select the races you want to join, fill out the checkout form, and purchase your ticket online using PayPal. All ticket proceeds will go directly to the organizers to help fund the event.

The registration is limited to 48 pilots on Open Class, and 24 pilots on 7in Spec.

Please note that this event is closed to the public. Only MAAC members and crew may attend. Invited guest(s) of a MAAC member are permitted, provided they are supervised.

Race Track & Racing Formats

The race track will be composed of MultiGP Champ size gates, flags and other special elements. The same track will be flown by the Open Class and with a slight variation for 7in Spec.

The track design is available on Velocidrone, no download needed. Search for "2024 Canadian Drone Racing Nationals".

No previous pre-qualifications are required to participate at the **2024 Canadian Nationals**. All the attendants registered at the Open Class are guaranteed to be able to race on either Mains on day 3.

Mains on September 1st will follow the double elimination bracket system. The Chase the Ace clause will be used for the finals of each Mains.

Qualifications

MultiGP's ZippyQ will be used: with the help of a kiosk tablet, you will scan your pilot badge's QR code to register for the qualifying round. 10 packs max for Open class qualification rounds and 5 packs max for 7in Spec qualification rounds.

For Open class, your best 3 consecutive lap times from Day 2 of the 2024 Nats, combined with your best 3 consecutive lap times from the MultiGP Summer Global Qualifier, will be used to determine your seeding into either the Sport or Pro category for Day 3, and organized in the Mains brackets. These times will be normalized, averaged with different weights, and then

summed. Not participating in a Summer GQ will have a minimal impact on your seeding. For more information about the seeding process, please contact the organizers.

For 7in Spec, your best 3 consecutive lap times from Day 2 of the 2024 Nats will be used to determine your seeding in the Mains brackets.

All qualifying rounds will be staggered start, with a max of 8 drones per heat, depending on the amount of registered pilots.

Open Class Mains Format

Pilots will be separated into 2 groups, Sport and Pro.
Double Elimination Bracket.
Finals: Chase the Ace + Ironman

7in Spec Mains Format

Double Elimination Bracket.
Finals: Chase the Ace + Ironman

Schedule

Day 1: Friday, August 30th

- **10:00 AM**   Pilot registration starts
- **2:00 PM**   Practice: Open Class
- **5:00 PM**   2nd Pilot registration (30 mins)
- **7:00 PM**   End of practice. Track changes for 7in Spec. Last Pilot registration for day1
- **8:00 PM**   Practice: 7in Spec
- **10:00 PM+**   End of practice.

Day 2: Saturday, August 31st

- **8:00 AM**   Late pilot registration and Tech inspection
- **9:00 AM**   Qualifications: Open Class (10 packs max)
- **4:00 PM**   End of Qualifications
- **4:00 PM**   Top Qualifiers podium. Track changes for 7in Spec.
- **5:00 PM**   Qualifications: 7in Spec (5 packs max)
- **8:00 PM**   End of Qualifications
- **8:00 PM**   7in Spec Mains (Night track)
- **11:00 PM**   End of 7in Spec Mains + Podium Ceremony

Day 3: Sunday, September 1st

- **8:00 AM**   Practice: Open Class (Sport)
- **9:00 AM**   Sport Mains
- **12:00 PM**   End of Sport Mains + Podium Ceremony
- **1:00 PM**   Practice: Open Class (Pro)
- **2:00 PM**   Pro Mains
- **5:00 PM**   End of Pro Mains + Podium Ceremony

Day 4: Monday, September 2nd

- **10:00 AM**   Track teardown & Camping checkout
- **4:00 PM**   Exit venue deadline

Rules & Sportsmanship

- The 2024 Canadian Drone Racing Nationals adheres to the [official 2024 MultiGP Rulebook](#)
- Maximum altitude: 30m. Not allowed flying over the tallest tree of the venue.
- No flying under the influence permitted. If you do, you will be disqualified.
- No freestyle allowed. This is a controlled flying environment.

Camping

Camping at the venue is available, from Friday to Monday, for an additional fee.
Small RVs are allowed and tents. No water or sewage hookups available.

Water will be available, and possibly showers.
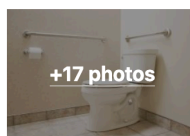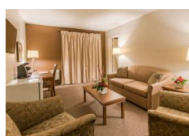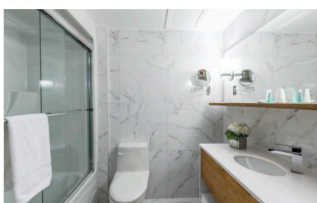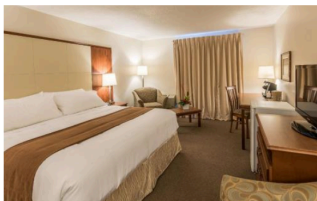No campfires allowed.

Lodging

Camping at the venue is available, for an additional cost. Please contact the organizer to know more and to check availability.

Hotel room reservation may be made directly via online platforms such as [booking.com](#), [trivago.ca](#), [expedia.ca](#) and more. All rooms being subject to availability, it is recommended to make the reservation earliest as possible. Please note that there are not too many hotel/motel options near the venue.

Hotel de la Rive

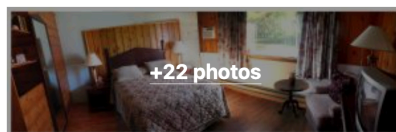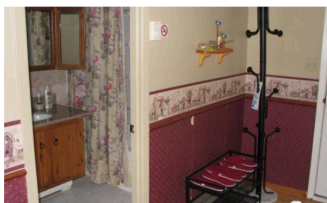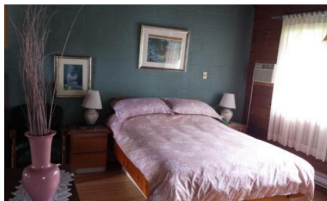165 Chemin Sainte-Anne, J3P 6J7 Sorel, Canada – **Great location - show map**

Hotel to venue: 5.1 km (7 minutes by car)

Motel Le Charentais

13325 Route Marie-Victorin, J3R 0K6 Sorel, Canada – **Show map**

Hotel to venue: 7.3 km (9 minutes by car)

★★

Motel le Verseau

📍 7720 Marie-Victorin, J3R 1T3 Sorel, Canada – **Great location - show map**

Hotel to venue: 12 km (11 minutes by car)

Organizers Contact

Team Canada FPV

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Drone Fest

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