

Northern Alberta FPV League Ministik Site Rules (2024)

The following rules package must be available to all RPAS Pilots while operating RPAS at this site, either electronically or in print. Nothing in these rules relieves the RPAS pilot of their individual CAR compliance requirements.

Administrative Rules

Club: Northern Alberta FPV League (MAAC club #928, Zone A)

Field Name: MINISTIK PARK

Location: Ministik Park, 21246 AB-14, Sherwood Park, AB

Pilot Station Coordinates: 53 23' 48.3" N, 113 00' 49.90"W

Contact(s): George Wenzel, MAAC # 100445, club secretary
george@georgewenzel.com / 780-240-3200

Conditions for Use - All persons using this modelling site must:

1. be MAAC members in good standing.
2. be members of Northern Alberta FPV League, or an invited guest and
3. agree to follow the MAAC Safety code and all other site rules.

Any MAAC member attending an Event at this site must agree to attend any modeller briefing, or otherwise read and follow all site/Event rules. The Club or site operator is responsible for taking reasonable steps to ensure a modeller briefing occurs for each modeller using the site.

1. Guests and spectators must remain outside of the fenced area unless they are part of the operation and are escorted by a MAAC member/pilot.
2. These rules will be communicated to all club pilots via the club Discord. Visiting pilots/guests will be provided with a paper copy on arrival on site and during the race director briefing.
3. As these rules are for a one-time event at a temporary airfield, they will only be reviewed and updated if the site is used for a future League event.

Site/event emergency response requirements

In the event of an emergency, call (9-1-1 or phone number) - the site address to be provided to first responders is Ministik Park, 21246 AB-14, Sherwood Park, AB.

1. Emergency response items are present on-site in the pilot area, adjacent to the primary battery charging station.
2. A minimum of one fire extinguisher and one fire-retardant blanket must be present for all powered model operations.

Modelling Rules

MAAC Approved Modelling Categories

The following categories of MAAC modelling are approved at this site/event. In addition to the MAAC Safety Code, there may be site specific rules contained in this document.

Approved Category	Weight/Power Limits	Altitude/operating limits
mRPAS	Less than 250 grams	400'agl
RPAS	25kg or less	400'agl
Tethered (Control-Line)	Not approved	
Free flight		
Space Models		
Surface Vehicles		

MAAC Approved Site Add-ons

This site has not been approved for any MAAC add-ons.

Approved Add-on	Weight/Power Limits	Altitude/operating limits
RPAS Weight	Not approved	
RPAS Altitude		
RPAS Altitude and Weight		
Permanent Event Approval		
RPIC		

RPAS/Model technical specifications or requirements or restriction

1. mRPAS requirements – mRPAS cannot be registered with Transport Canada. mRPAS are however regulated under CAR900.06 and part VI of the CAR. Compliance with MAAC safety code meets those requirements.
2. RPAS CAR requirements – There are no special CAR restrictions on RPAS models
3. Club/Site/Event requirements - All RPAS (quads) must comply with the applicable aircraft specs contained in the 2024 MultiGP Rules and Regulations.

RPAS Pilot/operator qualifications or requirements

1. mRPAS requirements. mRPAS do not require an RPAS operators' certificate however are regulated under CAR900.06 and part VI of the CAR. **There are no**

MAAC or CAR age restrictions on mRPAS flight. Compliance with MAAC safety code meets all requirements.

2. RPAS Pilot CAR requirements - All RPAS pilots using this site must have (at minimum) Transport Canada Basic RPAS certification.
3. Club/Site/Event requirements - All RPAS pilots using this site must register for the event on the MultiGP portal to be entered into the competition.

CREW qualifications or requirements.

1. mRPAS requirements - mRPAS do not normally require crew under the CAR.
2. RPAS CAR requirements - There are no crew requirements at this site.
3. Club/Site/Event requirements - all crew must attend the race director briefing along with pilots.

Crew Rules

Visual Observers

1. Visual observers (VO) are mandatory for all FPV flights. No member shall operate an RPAS unless:
 - a. A visual observer(s) is present who has been briefed or trained on any site/event procedures upon spotting a potential conflict with full-scale aircraft.
 - b. A minimum of one visual observer per flight line is required.
 - c. VO must not watch the models - their sole role is to scan the surrounding sky for approaching full-scale aircraft.
 - d. Position the VO where they have unobstructed sight lines - sitting in the shade beside a camper/structure is not acceptable. Equally they must be situated to have a reasonable communication ability with all pilots/modellers.
 - e. Use visual aids as required - sunglasses, wide brim hats, sunshades, binoculars or similar. If positioned far from pilot stations, provide suitable notification means such as air horns, lights, radios etc.
2. These rules ensure a clear command/response protocol is in place - there is no time for debates or confusion. MAAC has adopted the following minimum:
 - a. **MAAC models/RPA shall give way/get out of the way of full-scale aircraft in all circumstances - no exceptions. There is never any onus on full-scale pilots to yield to models - ever.**
 - b. Upon spotting/hearing or being advised of any airplane that might pose a hazard with modeling activities, the VO shall yell in a loud clear voice "AIRPLANE". **If in doubt, issue a warning.**
 - c. Upon hearing this command, all pilots shall descend to as low as altitude as safely possible, and if required land. The goal is to vacate the airspace vertically and then determine if RPA can continue to operate safely.
 - d. **Lateral deconfliction maneuvers are prohibited above 60'AGL.** Descending to 60'agl (tree top level) is the accepted Transport Canada initial response.
 - e. Upon determining the full-scale aircraft is no longer a threat, the VO or other persons shall yell in a loud clear voice "ALL CLEAR".
 - f. Thereafter modeling activities may resume as normal.

Air Boss - ATC Coordinator

Not required.

RPIC - RPAS Pilot in command

Not approved.

Instructors/Demo flights

Not applicable.

Spotters

Not applicable.

Airspace requirements or permissions

This site is wholly in uncontrolled class G airspace - airspace permission is not required.

Adjacent Aerodrome Procedures (within 3nm)

There are no aerodromes within 3nm of this site, therefore MAAC see and avoid procedures are deemed adequate for aviation safety.

Normal mRPAS/RPAS/model operating procedures

1. Prior to daily operations, at least one member shall check the Aviation NOTAM for Cooking Lake (CEZ3) using either the NAV CANADA website or RPAS Wilco. They may share the results with other site users either verbally, electronically or in print. Every member is still responsible for ensuring they have the latest NOTAM information in some fashion.
2. The MAAC mandated minimum weather conditions to commence or continue MAAC RPAS operations are:
 - a. no cloud ceiling (BKN or OVC) **estimated** at 1000' agl or below, and
 - b. the RPA will be able to remain 500' vertically and 1 sm (statute mile) horizontally clear of any cloud, and an **estimated** horizontal visibility of 3sm (5km) or more around the flying area, and
 - c. no other obscuring conditions (fog, smoke, haze etc.) which could make spotting full-scale aircraft difficult.

NOTE - there is no aviation weather available for this site so RPAS pilots may estimate cloud ceilings and visibility, provided they do so in good faith understanding the purpose of weather limits is to ensure we can see approaching full-scale aircraft.

3. MAAC endorses the use of a single shared RPAS Wilco site survey provided:
 - a. A new site survey is conducted/checked at least once every 56 days (NAV CANADA schedule), and if there are changes the updated site survey is made available to all members.
 - b. All site survey information is readily available to all RPAS pilots on site (electronically or in print).

- c. Prior to each flying session, members must check Aviation NOTAM for critical flight safety information, or changes to airspace or aerodromes. Members may share NOTAM information verbally or in print with other members at the site.
 - d. Members must each visually confirm no changes to site obstructions, local obstacles and that weather conditions stipulated in any MAAC requirements are met.
4. Members shall not operate an RPAS at night unless it is brightly lit, weighs less than 25kg, and remains below 400'agl. Members shall use the Edmonton city weather channel time to determine legal night.
5. The maximum number of airborne RPAS is four. Pilots may fly in formation provided they agree to do so.
6. Refer to the attached map for normal site set-up areas such as parking, spectator areas, pit, or assembly areas, and start-up/run-up areas including confirmation of the MAAC required buffer distances are as follows:
 - a. The MAAC minimums should normally be respected – 7m flight line to pilot stations, 10m to pits, 30m to spectator and parking.
 - b. Any event set up requirements, if different, are in the Event rules section.
7. There are no special pre-flight assembly or testing requirements. Follow the MAAC safety code.
8. Pilots are strictly prohibited from powering-on (plugging in) an RPAS unless permission has been granted from the race director. All models, including electric powered models, will be restrained before being armed or started in the designated startup areas.
9. Refer to the attached map for our flying area, including any no-fly zones, a description or depiction of the flight line, safety line, runways, taxiways, and any other pertinent flying area demarcation.
10. The following are the site take-off, approach, landing and recovery procedures:
 - a. Pilots may only launch from the designated launch point within the track area after obtaining clearance to do so from the race director.
 - b. While aircraft are in flight, all pilots and crew must remain within the pilot area, and spectators must remain outside of the fenced area.
 - c. The recovery of downed models in the flying area shall not be done until all pilots have landed and the race director has provided an ALL CLEAR. All aircraft must remain grounded until the course has been deemed clear.

Emergency procedures

Fly-away or lost link.

This site is wholly in uncontrolled airspace – there are no ATC fly-away requirements. In the event of a “fly-away” towards Sherwood Park (Northwest), you may call Amber Rudiak at 780-464-8492 and advise them of the issue.

Incident Accident

1. If there is any type of near miss or safety concern between a full-scale aircraft, bystander and our RPA/models, **ALL FLYING/MODELLING** SHALL cease immediately. The members involved should fill out a MAAC reportable occurrence report and submit that to MAAC and the Site/Event organizer and follow MAAC policy.
 - a. If the member(s) involved believe the risk was very minimal, they may complete their own self declaration or risk assessment using the MAAC form. Submit a copy of the form to the Site/Event organizers when able and recall if this involved RPAS you must keep this form for one year (CAR901.49 (2)). Resume flying/modelling when done.
 - b. If the member or Site/Event operators deems the event serious, flying/modeling will not resume until members are given permission by the Site/Event organizers - in writing.
 - c. If there is physical contact between a full-scale aircraft, a by-stander, a spectator and a MAAC RPAS/model - all flying/modelling will cease until MAAC confirms you may resume operations.
 - d. This process is for **your** protection.

Model damage/repair protocol

1. In the event of any normally expected modelling mishap which requires any degree of repair, the model may only be "field repaired" if all normal modelling supplies and tools are present and used in accordance with established modeling practices or manufacturer instructions.
 - a) Any repair other than minor (replacing broken propeller etc.) shall be treated as a maiden flight/operation. Ensure RPAS logbook entries are made.
 - b) Any repair that cannot be fixed at the field, shall only be repaired at the modellers/owners shop or other repair facility. Ensure RPAS logbook entries are made.

MAAC Add-ons

RPAS Operations Above 400'AGL

Not approved.

RPAS Operations Above 25kg

Not approved.

RPAS Operations Above 400'AGL and Above 25kg

Not approved

Event Approval (Permanent or individual)

This site has not been approved for permanent event approval - all events must be processed per below. If you have any doubts about your event, contact your Zone Director or the SAG directly.

1. ALL MAAC events that require approval or want MAAC insurance must occur at SOC sites and be approved by MAAC. All outdoor events with operable RPAS must be approved by MAAC.
2. **Outdoor events that are clearly listed as “member-only” events** regardless of reason such as competitions, fun-fly’s, fly-in’s, airshows, air racing, demonstrations or any other organized gatherings do **not** require MAAC Event SFOC compliance. **All advertising/notice including internal to MAAC must include the following phrase:**

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.

3. **“Advertised events”** - regardless of what you “named” your event, if your outdoor event includes operable (flying) RPAS **and** is open/advertised to the general public in any fashion, you **must** meet the MAAC SFOC requirements (the SAG will work with clubs on the rules required). All advertising/notice, including internal to MAAC **must** include the following phrase:

This event is open to the public and all MAAC members, crew, and their invited guests. MAAC Event SFOC compliance is required.

Foreign RPAS Pilots (US or other)

MAAC has already obtained Transport Canada approval for foreign RPAS pilots to operate RPAS at our MAAC sites and events (MPPD14 approved July 2023). Foreign pilots simply join MAAC and follow the provisions of MPPD14 (on the website). Also see the RPAS Wilco NOTAM (2024-02).

Event rules

The following are the normally expected processes and rules for an event.

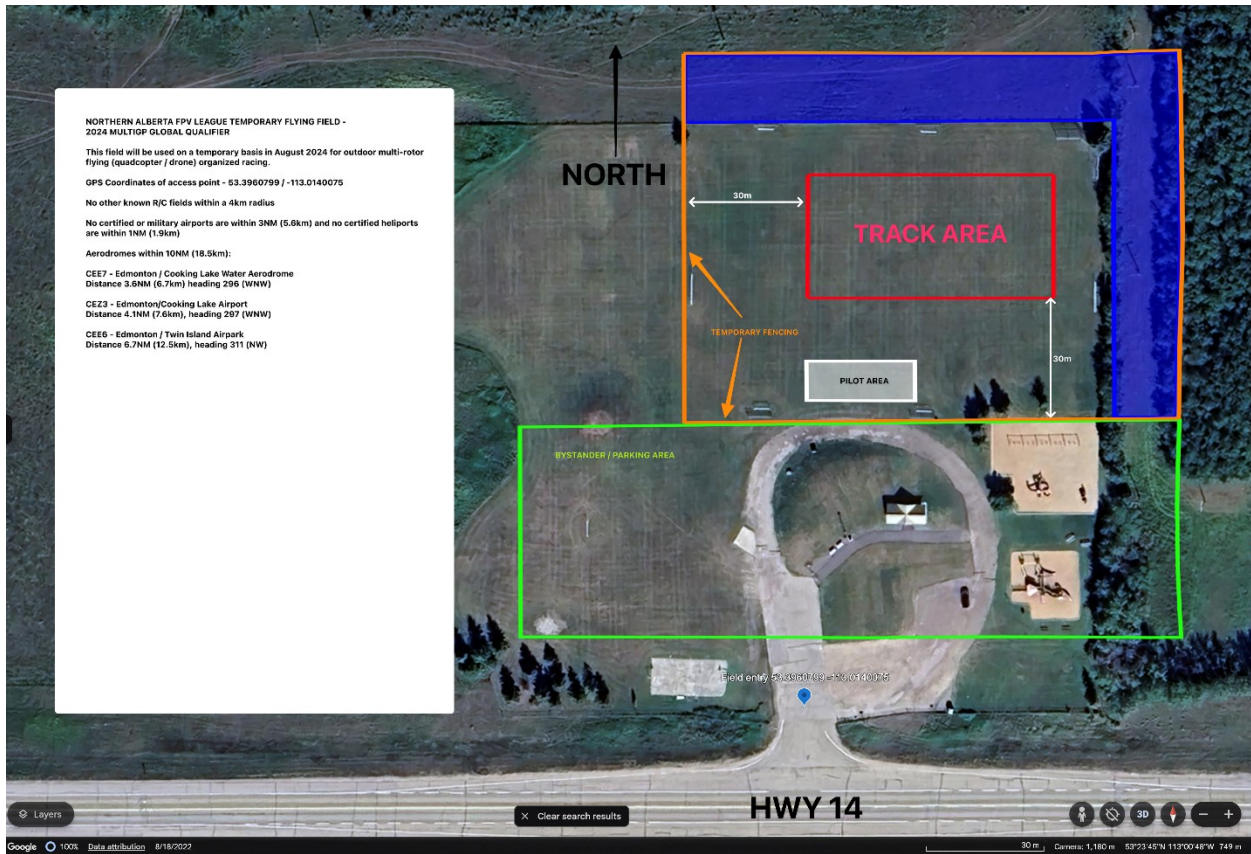
1. The club/event organizers shall:
 - a) Prior to submitting an event approval application, ensure they have read all MAAC policy and have submitted an event package indicating they have complied as best as possible.
 - b) Ensure the site meets all MAAC event organizational and logistic requirements such as signage, parking control, spectator safety barriers, washroom and food provisions, and fire/medical safety requirements commensurate with the expected attendance.
 - c) Ensure the event complies with MAAC event policy and any CAR or SFOC requirements.
 - d) Ensure the MAAC events warning sign is posted for the event.
 - e) Ensure all attending modellers/RPAS pilot are **current MAAC members**.
 - f) Take reasonable steps to ensure all attending modellers/RPAS pilots **receive a briefing** on site or event rules using the MAAC minimum checklist (attached).
 - g) Ensure all follow up actions are completed after the event, most notably any Transport Canada paperwork.

2. In addition to all the above and the club rules, at any event where the public is in attendance under the MAAC SFOC, the event organizers are responsible to ensure:
 - a) MAAC warning signs are posted at all public entry points.
 - b) A copy of the MAAC SFOC and application are on site and available to all RPAS pilots.
 - c) All RPAS pilots sign the Transport Canada sign in sheet.
 - d) All RPAS pilots receive a briefing on site rules and
 - e) A visual observer is always present RPAS are flying.

3. Any member attending an event shall
 - a) Comply with all CAR, SFOC, MAAC and club/event rules as required.
 - b)** Not operate a model or RPAS unless they attend or obtain a pilot briefing.
 - c)** Comply with all directions from the race director and abide by the MultiGP Rules & Regulations.

Diagrams/maps

Site set-up diagram.



Airspace MAP - including NAV DRONE Viewer Grid altitudes or lack thereof.



Any other diagrams as required.

W A R N I N G !



**AEROMODELING
MAY CAUSE
SERIOUS INJURY!**

**PROCEED AT
YOUR OWN RISK!**

A V E R T I S S E M E N T !

**L' AÉROMODÉLISME
PEUT CAUSER
DES BLESSURES GRAVES!**

**PROCÉDEZ À VOS PROPRES
RISQUES!**