



University of Michigan

Application for Use of UNMANNED AIRCRAFT SYSTEMS (UAS)

This application must be completed to obtain permission to operate UAS outdoors from, on, or over the U-M Ann Arbor, Dearborn, or Flint campuses, and other U-M properties (e.g., Biological Station, Pellston, MI; Stinchfield Woods, Pinckney, MI; Camp Davis, Jackson, WY), *by anyone for any purpose*. prior to submitting an application, approvals must be obtained from the following units, if applicable.

- Filming: Film Office
- Athletic Events/Large Gatherings: DPSS

In addition, this application must also be completed by U-M faculty, students, and staff to obtain permission to operate UAS *off* of U-M property for U-M sanctioned activities. For uses *off* U-M property, approval will not be recommended until written permission from the property owner has been obtained.

If you plan to fly at multiple areas, separate applications for each site are required.

Please allow at least two weeks ahead of your planned flight date for the application review to be completed.

APPLICANT

Date of Application:	
Full name:	
Title and affiliation (if any):	
Address:	
Phone number (incl. cell):	
Email:	
Department name or school:	
For third parties (non-UM applicants), name and department of U-M contact person/sponsor, if applicable:	

DESCRIPTION OF ACTIVITY

Describe the activity and its purpose including how it relates to endeavors in support of the U-M mission.
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ANTICIPATED DATES OF OPERATION

Is this use intended to be (choose one):	<input type="checkbox"/> One Time	<input type="checkbox"/> Repeated (indicate how many times and how frequently)
Anticipated date(s) of operation:		
Anticipated start time:	Anticipated end time:	

OWNER OF UNMANNED AIRCRAFT SYSTEM (UAS)

Name of UAS owner, if not the applicant:	
Contact information for owner, if different from above:	
If the UAS owner is not U-M faculty, staff member or student conducting sanctioned U-M activities, indicate the provider of liability insurance that will cover the activities of each participant (e.g., RPIC, VO):	

DETAILS ABOUT THE UAS

FAA registration identification number	
Make, model and serial number of UAS	
Weight of the UAS with payload (in grams and in lbs):	
Is the propeller system ducted or otherwise shielded?	<input type="checkbox"/> Yes <input type="checkbox"/> No

REMOTE PILOT IN COMMAND AND VISUAL OBSERVERS

Name of Remote Pilot in Command (RPIC):	
FAA Part 107 RPIC certificate number (attach copy)	
Name(s) of Visual Observer(s) (VOs):	
How will the VOs communicate with the RPIC? <i>Note: Relying solely on unaided voice is not acceptable. The use of two-way radios or similar is recommended.</i>	
List all other individuals who will be directly involved in this operation, describe their roles/duties.	



LOCATION DETAILS, PERMISSIONS, AND SAFETY CONSIDERATIONS

You must obtain permission from the landowner or municipality if the intended use is off U-M property for U-M sanctioned activities.

For activities by anyone, if over U-M property, you must obtain advance permission for flights in under certain circumstances, as noted below:

- Filming: Film Office
- Operations Near/Over Athletic Events/Large Gatherings: DPSS
- Operations Near Michigan Medicine: Survival Flight

Name and contact information of property owner Attach documentation of the permission granted.	
Outdoor from/on/over (choose one): <input type="checkbox"/> Off U-M property <input type="checkbox"/> Off U-M property <input type="checkbox"/> U-M Ann Arbor campus property <input type="checkbox"/> U-M Dearborn campus property <input type="checkbox"/> U-M Flint campus property <input type="checkbox"/> Other U-M property, e.g., <i>Biological Station, Stinchfield Woods, Camp Davis</i> . Please specify:	
Airspace classifications	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> G
Maximum altitude planned for this flight	
Explain how you will coordinate with local air traffic. Be specific regarding who you will contact and when. Include how you will fulfill the requirement for issuing a distant (D) Notice to Airmen (NOTAM).	

Please include any other information that may assist with the review of your request and complete and submit the attached attestation form.

_____ Signature of Applicant	_____ Date
_____ Printed Name of Applicant	
_____ Signature of Dean, Director, Department Head or Facility Manager (Sponsor), if applicable	_____ Date
_____ Name of Dean, Director, Department Head or Facility Manager (Sponsor), if applicable	

ATTESTATION OF COMPLIANCE

FOR USE OF UNMANNED AIRCRAFT SYSTEMS

I hereby certify that I will at all times comply with applicable FAA, University, and other laws and policies in the operation of my UAS. In particular, I hereby attest and agree to all of the following:

- I have a current FAA Part 107 RPIC certificate and my refresher training is up to date. Note: 107.65 requires initial or recurrent training within previous 24 months.
- My drone is registered with the FAA.
- I will obtain permission before flight, on or over non U-M property, from the landowner of areas where I will fly.
- I will obtain advance Air Traffic Control (ATC) permission for all flights that are not in Class G airspace (i.e., Class A, B, C, D and E airspace).
- I will use propeller guards.
- I will fly during daylight (30 minutes before official sunrise to 30 minutes after official sunset, local time).
- I will ensure weather visibility is at least three miles from my control point in order to fly.
- If operated during twilight, I certify that my drone has anti-collision lighting.
- I will remain aware of the windspeed above which it is hazardous to fly my drone and I have a method of monitoring this.
- My flight will remain at or below 400 feet.
- I will have the appropriate number of visual observers at all times based on the circumstances and conditions in which I am operating.
- I will be responsible for restricting access to any areas the drone will cover, in addition to an adequate margin of safety, such as sidewalks or other locations where pedestrians or vehicles will be present while the drone is airborne.
- I will ensure my flight team is aware of all procedures for communicating hazards and under what conditions we must terminate flight.
- I will immediately ground my drone if an unexpected person or vehicle enters the flight area. I will always avoid other aircraft, manned or unmanned.
- I will never operate in a careless or reckless manner.
- I will ensure that all of my flights will be conducted in line-of-sight of the craft with direct operator override authority for a flight termination (kill) at any time such action is needed for safety and to maintain operations in the approved flight area. Note that the maximum radius for maintaining visual line-of-sight is not to exceed .5 miles, and certain weather conditions may require a smaller radius for visual line-of-sight.

- I will always keep the drone within unaided sight (use of binoculars is not considered unaided).
- I will not serve as a pilot or visual observer for more than one drone operation at a time.
- I will not fly a drone over people unless they are directly participating in the operation as an observer.
- I will not operate my drone from a moving vehicle or aircraft.
- I will ensure that adequate space is provided for safe take-off and landing of my UAS.

Pre-flight notifications

- I will be responsible for any pre-flight notification requirements under FAA Part 107.

In-flight monitoring

- I will monitor the frequencies appropriate for the location. It is the responsibility of the applicant to identify the appropriate channels and ensure they are monitored.

Post-flight reporting

- I will take responsibility for any post-flight reporting requirements under FAA Part 107.
- I will take responsibility for all other post-flight reporting that is required by the IASC, ATC, or other authority overseeing airspace at the location of operation.

By submitting this application and attestation, I hereby certify that I and my flight team will abide by all applicable U-M policies, Federal Aviation Administration Regulations, as well as State and local laws. I recognize that provision of misleading or inaccurate information on this application, or failure to comply with the terms of this attestation, may result in revocation of approval, a time bar on future approvals for my operations, or other disciplinary or legal action,

Signature of Remote Pilot in Command (Applicant)

Date

Name of Remote Pilot in Command (Applicant)

Indemnification and Hold Harmless – To be signed by third parties only.

It is understood that Applicant shall indemnify and save harmless the Regents of the University of Michigan, officers, employees, agents, and students from and against any and all claims, damages, or liability of any nature or character arising out of or by reason of the execution or performance of, or incidental to, the operation described on the attached Application. The Applicant shall at its sole cost and expense, maintain and have appropriate insurance to cover their activities during this event and will provide proof of such insurance to the University, if requested.

Signature of Remote Pilot in Command (Applicant)

Date