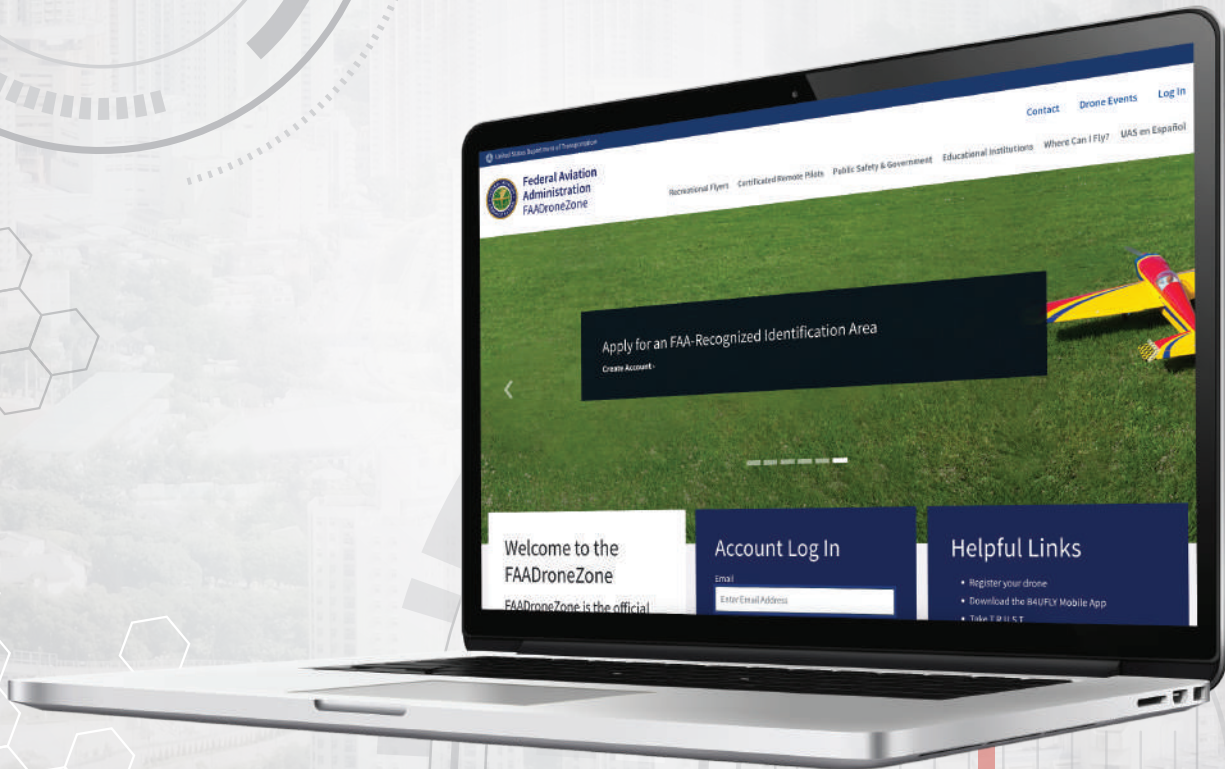




# DISCOVER DRONES



## FRIA APPLICATION INSTRUCTIONS



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# FRIA Application Instructions for Discover Drones Educators

Beginning March 16, 2024, all drone pilots will be required to comply with the Federal Aviation Administration's (FAA's) new Remote ID Rule. The intention of these requirements is to allow public safety officers to keep the national airspace safe by requiring all drones to broadcast location data during flight. Because RubiQ is a home-built drone without built-in remote ID capabilities, there are two ways to comply with the remote ID requirements:

- Attach a remote ID broadcast module to RubiQ during flights.
- Operate without remote ID equipment at an FAA-recognized identification area (FRIA).

Visit the FAA Remote ID webpage for more information:  
[https://www.faa.gov/uas/getting\\_started/remote\\_id](https://www.faa.gov/uas/getting_started/remote_id)

For educational organizations, applying for a FRIA is the most cost-effective way to continue offering drone education programs to students.

Before you begin your FRIA application, answer the following question:

*Is your organization recognized and/or accredited as an educational institution (primary or secondary educational institution, trade school, college or university) under applicable state and federal law?*

- YES → gather the information in the FRIA application template below and submit your FRIA application through the FAA website.
- NO → you will need to submit your FRIA application through a community-based organization (CBO). Visit <https://www.faa.gov/uas/recreationalfliers/faa-recognized-community-based-organizations> to review the current list of FAA-recognized CBOs.

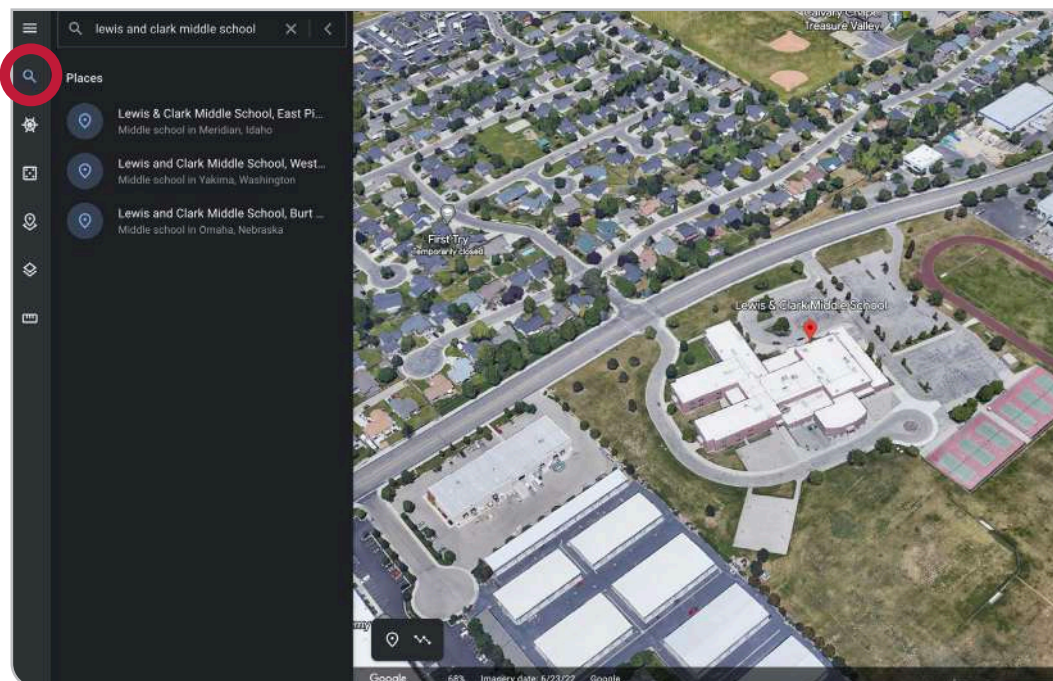
Contacts & Declaration	
Educational Institution Name	
Name of Authorized Representative of Education Institution: <i>this can be an administrator or academic staff member</i>	
Contact Information for the Primary Point of Contact (PPOC): <i>this should be the teacher or program coordinator who is either directly using the drones with students or overseeing the facilitation of the program</i>	
PPOC Name	
PPOC Email	
PPOC Phone Number	
PPOC Physical Address	
PPOC Mailing Address	

FRIA Details	
FRIA Physical Address	
Location of the Proposed FRIA: Circle Boundary *see directions below	
Latitude	
Longitude	
Radius (ft)	
Airspace Authorization: Does an airspace authorization from the FAA apply to operations at the proposed FRIA? (select one) **see directions below	YES/NO
Fixed Sites: Does this proposed FRIA location overlap with an existing or proposed fixed site? ***see directions below	YES, an existing fixed site YES, a proposed fixed site NO

Expected Utilization	
Estimate of the Expected Average Number of Unmanned Aircraft (Drone) Flights Per Week	

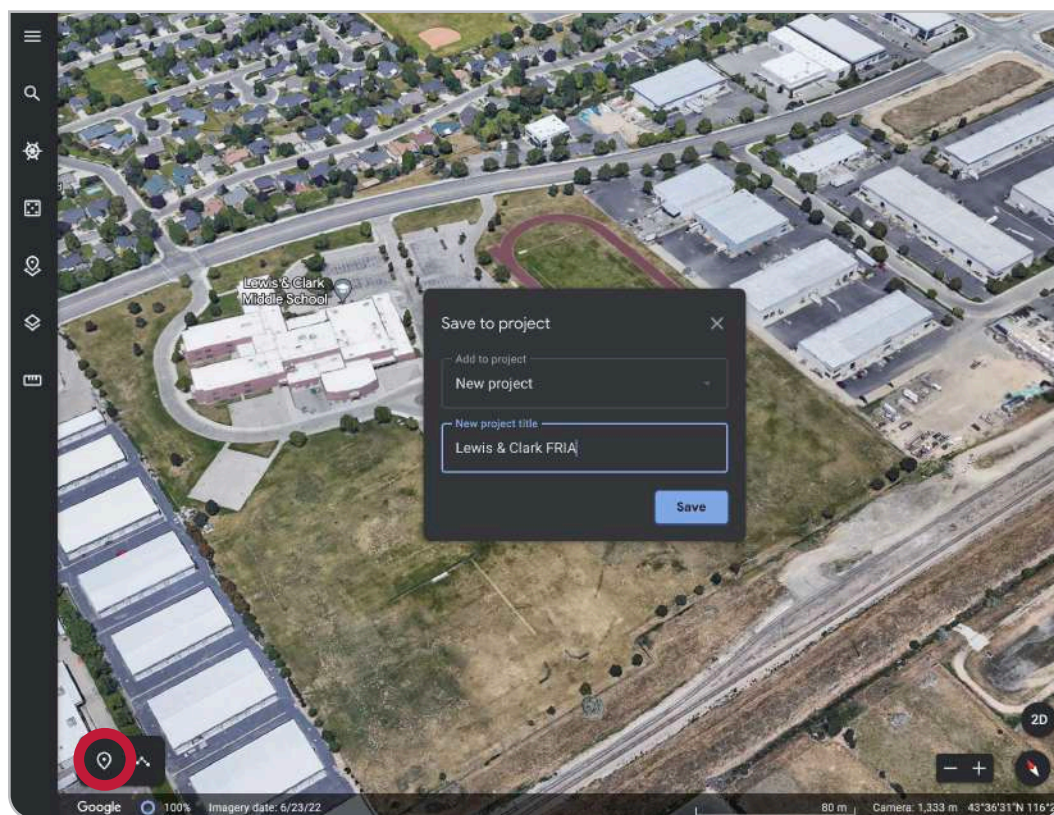
### \*How to Determine the Location of the Proposed FRIA: Circle Boundary

- Google Earth ([earth.google.com](http://earth.google.com)) can help you identify the coordinates of your proposed FRIA location.
- Click the magnifying glass icon to search for your location's address.

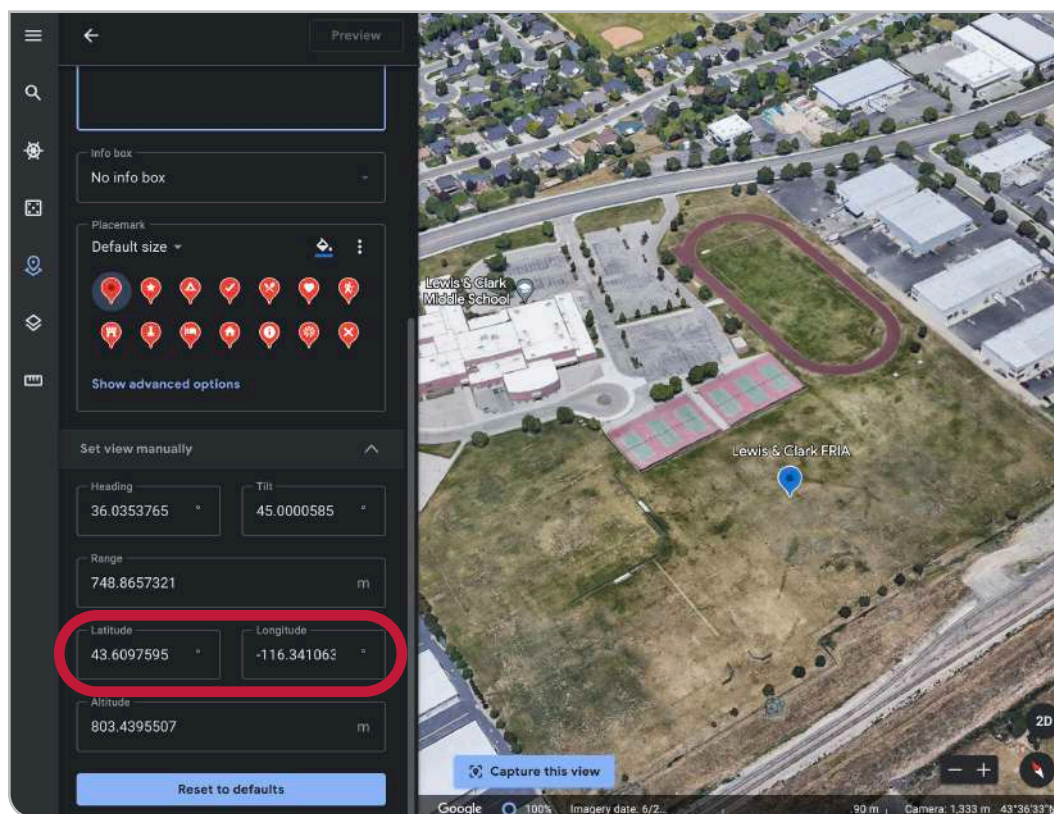




- Click the **Add placemark** icon in the bottom left to drop a pin in the center of your proposed FRIA location. Label your project to save as needed.



- To view the latitude and longitude coordinates, scroll to the bottom of the menu that opens on the left side of the screen once you save your project.

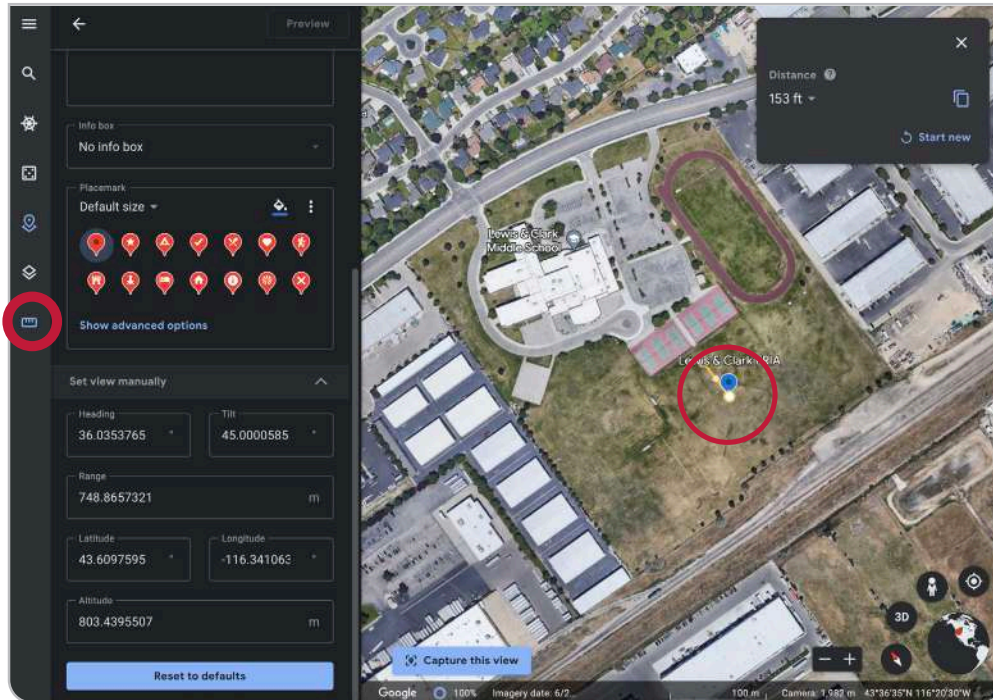




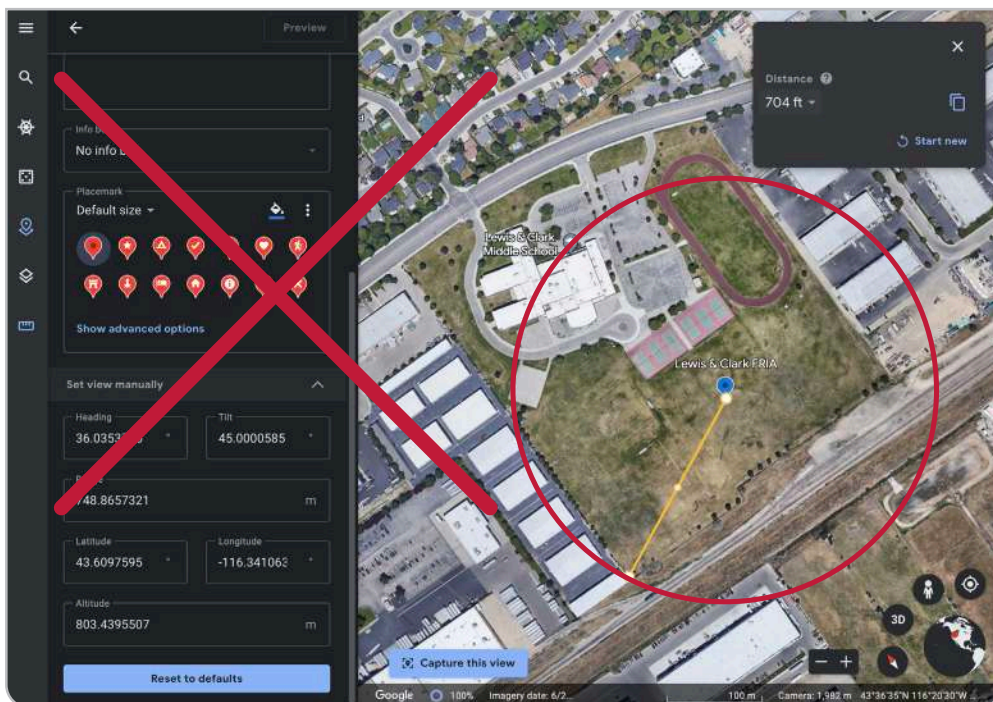
- To determine the radius needed for a circular FRIA, click the Measure Distance and Area ruler icon in the left sidebar. Click twice to draw a line from the center of your proposed FRIA location to the closest edge of the flight field.

*The FAA is likely to deny your application if the radius intersects any buildings, roads or parking lots, so be sure to keep your proposed site's footprint small.*

Adjust the units to feet if necessary.



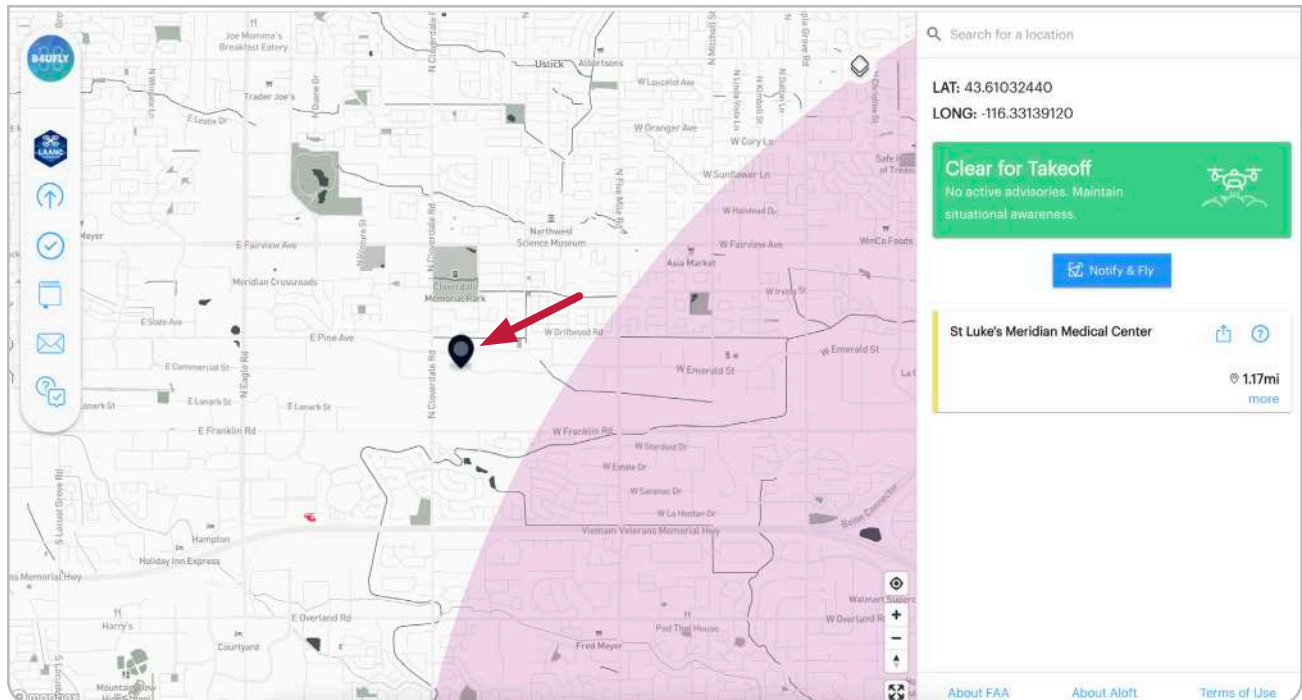
*This proposed area has a small footprint that is limited to the athletic field, making it likely to be approved.*



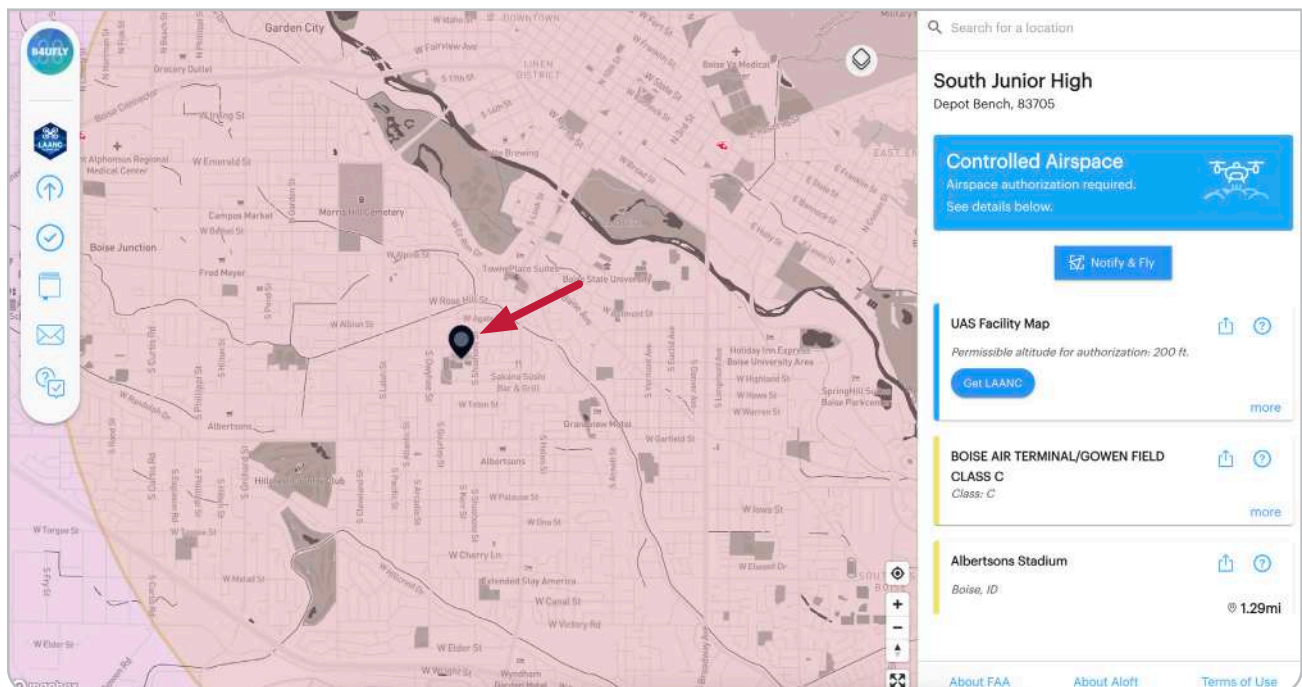
*This radius is too wide. Because the proposed location includes buildings and roads, the application will likely be denied.*

## \*\*How to Determine Airspace Authorization

- To find out if your proposed FRIA location is in controlled airspace, visit <https://b4ufly.kittyhawk.io/>. If it does not automatically load, enter the address of the proposed FRIA location into the search bar in the top right. If you see that you are Clear for Takeoff (as shown in the first image below), no airspace authorization is required. If you are in controlled airspace (as shown in the second image below), airspace authorization is required.



NO - Airspace Authorization is not required




YES - Airspace Authorization is required



## \*\*How to Determine Overlap with Fixed Sites

- Visit <https://udds-faa.opendata.arcgis.com/>. Scroll down to Open the Map of FAA UAS Data.

 Federal Aviation Administration

- Click the stack for Layers and make sure only Recreational Flyer Fixed Sites are selected. Then zoom into your proposed FRIA location to see if there's any overlap with your existing site.

The screenshot displays the 'Visualize it: See FAA UAS Data on a Map' application. The map shows a portion of Idaho, including Boise and the Magic Valley Aeromodelers LLC 1 site. A layer panel on the left lists various UAS flight restrictions, with 'Recreational Flyer Fixed Sites' and 'Recreational Flyer Fixed Sites (Label)' selected. A popup window for the 'Recreational Flyer Fixed Sites: Magic Valley Aeromodelers LLC 1' provides detailed information about the site, including its name, ID, coordinates, and other metadata.

**Visualize it: See FAA UAS Data on a Map** Federal Aviation Administration

Find address or place

**Layer**

- ☐ Part Time National Security UAS Flight Restrictions
- ☒ Recreational Flyer Fixed Sites
- ☒ Recreational Flyer Fixed Sites (Label)
- ☐ FAA UAS Facility Map Data
- ☐ FAA UAS Facility Map Data (best on Imagery basemap)
- ☐ Pending National Security UAS Flight Restrictions
- ☐ Prohibited Areas
- ☐ National Security UAS Flight Restrictions

**Recreational Flyer Fixed Sites: Magic Valley Aeromodelers LLC 1**

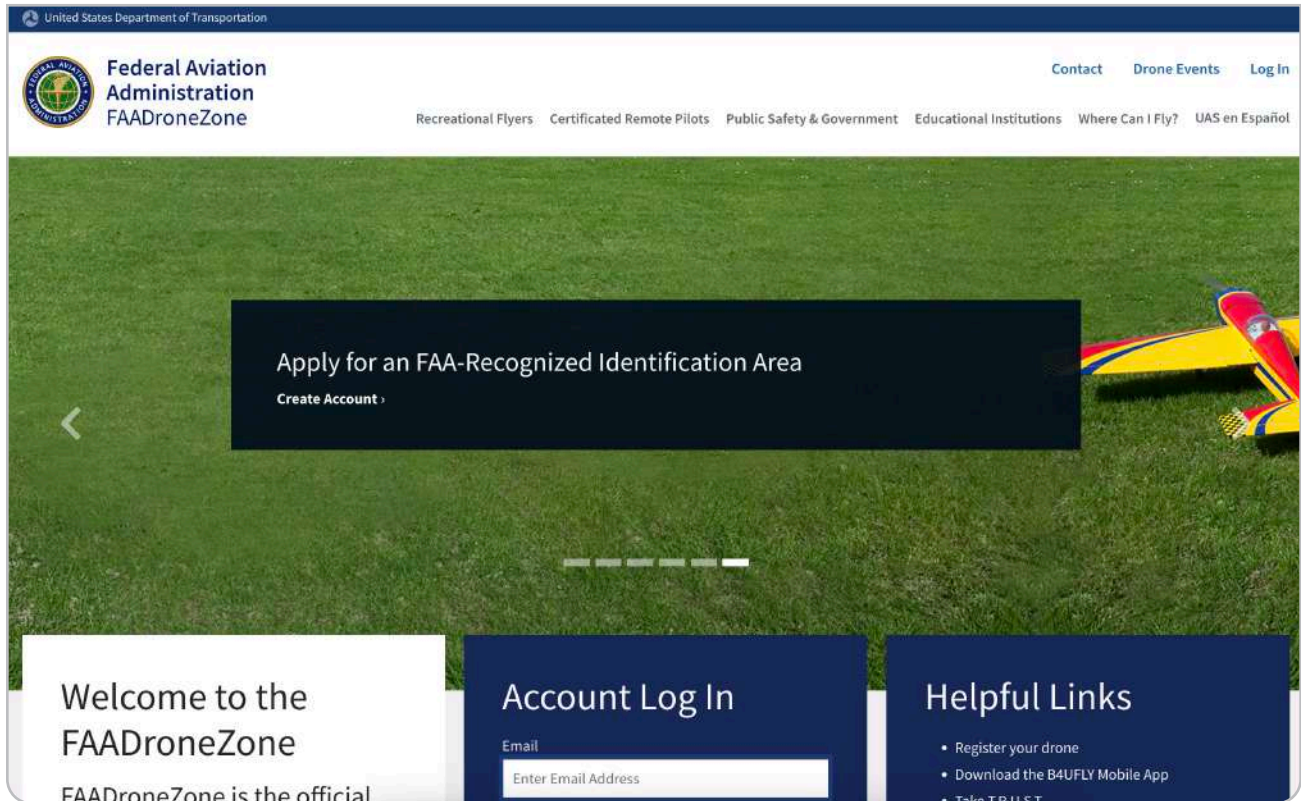
SITE NAME	Magic Valley Aeromodelers LLC 1
SITE ID	21151
LATITUDE	42.4463
LONGITUDE	-114.4960
CITY	Twin Falls
STATE	ID
ZIP CODE	83301
CEILING	200
BOUNDARY	660
UNIT	Feet
POC	<a href="#">Moxie Info</a>
LAST EDIT	4/1/2019
Zoom to	

County of Ada, Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS

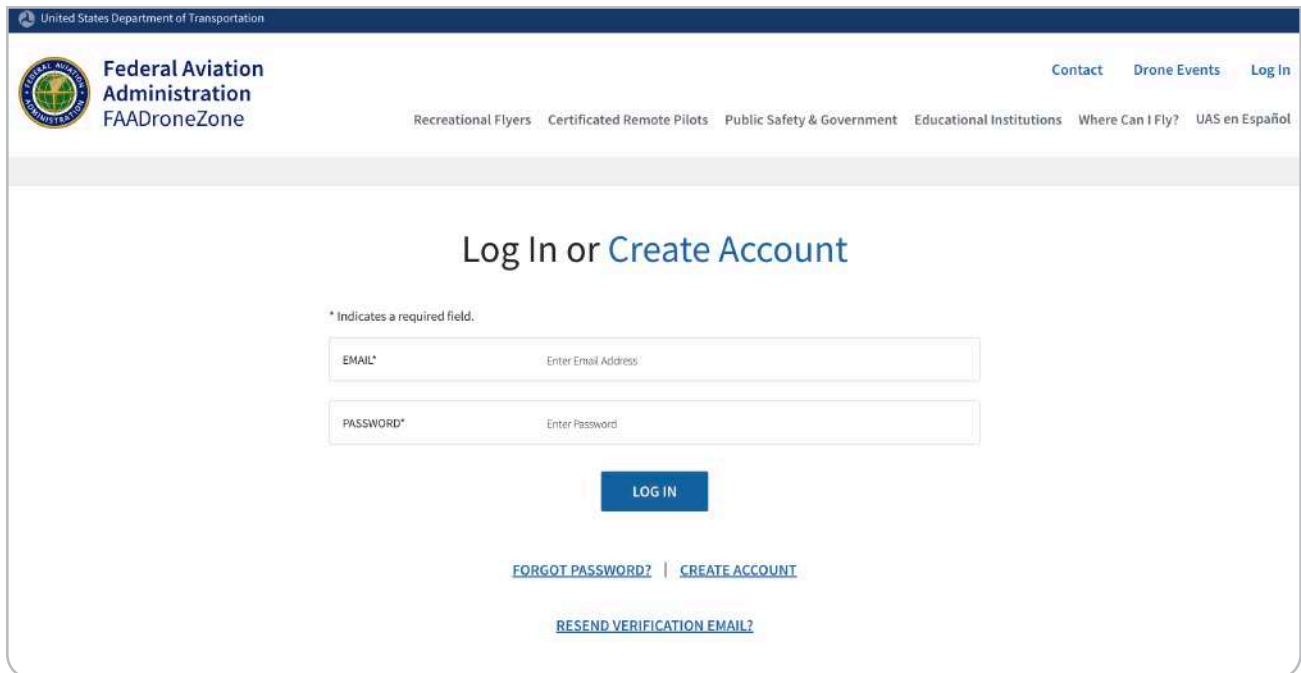


## How to Submit Your FRIA Application

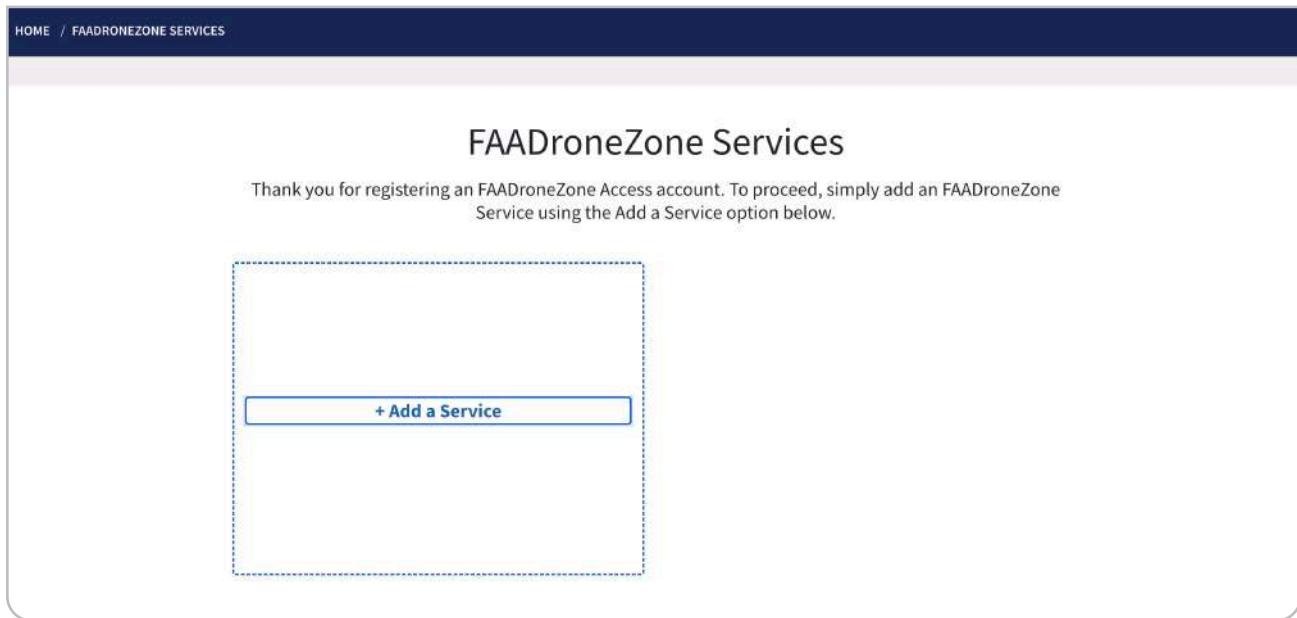
When you have gathered all the information in the template above and are ready to submit your FRIA application to the FAA, visit <https://faadronezone-access.faa.gov>. In the top right corner, click **Log In**.



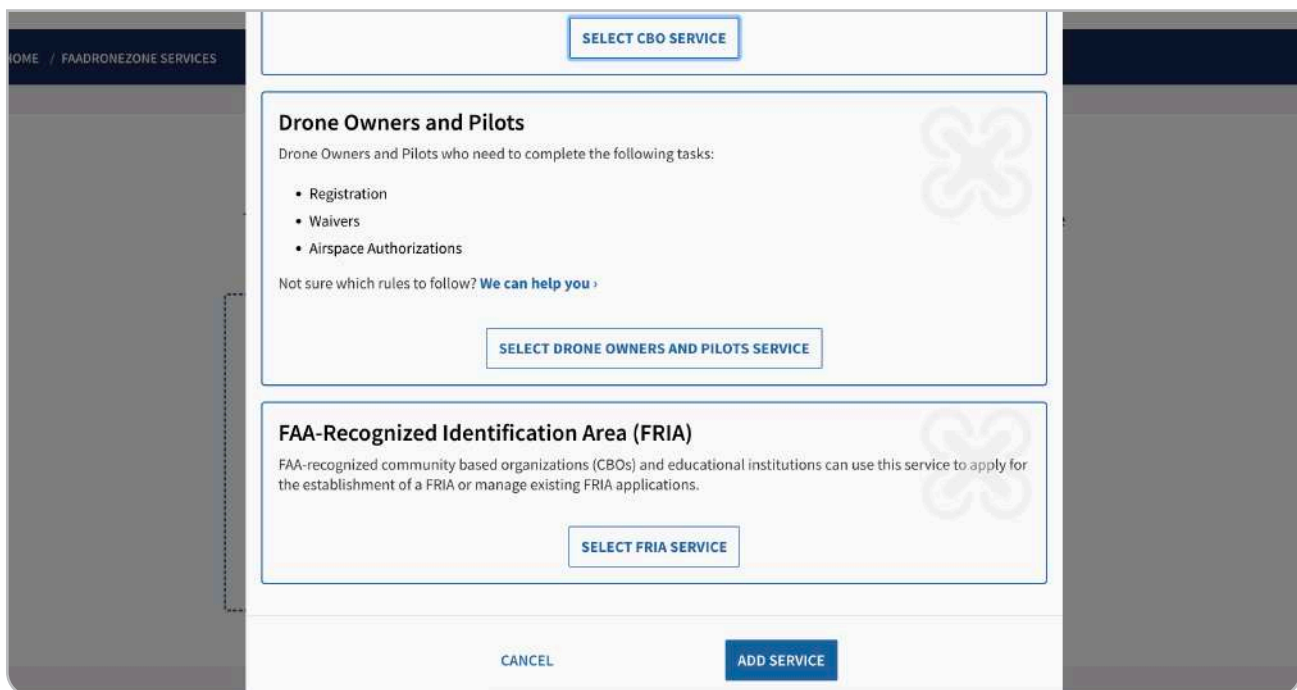
Create an account if needed or **Log In** if you already have one.



Click to **Add a Service.**



In the pop-up, Select **FRIA Service** and then **Add Service**.



You will now see an option to apply for a FRIA. Next, select **Launch FRIA Dashboard**.

[HOME](#) / [FAADroneZone SERVICES](#)

## FAADroneZone Services

Thank you for registering an FAADroneZone Access account. To proceed, simply add an FAADroneZone Service using the Add a Service option below.

### FAA-Recognized Identification Area (FRIA)

FAA-recognized community based organizations (CBOs) and educational institutions can use this service to apply for the establishment of a FRIA or manage existing FRIA applications.

LAUNCH FRIA DASHBOARD

+ Add a Service

**Confirm Profile** of the authorized representative that will be associated with your application.

[FRIA DASHBOARD](#) / [CREATE PROFILE](#)

### FAA-Recognized Identification Area (FRIA) Application Profile

#### Authorized Representative

The information below is from your FAADroneZone profile. Please confirm your profile information to continue or go back and update your FAADroneZone profile information before proceeding. Future updates to your profile will automatically be reflected in new FRIA applications.

FIRST NAMEMichelle

MIDDLE INITIAL

LAST NAMEFisher

EMAILmichelle+faa@edventures.com

CONFIRM PROFILE

#### REQUESTING A FRIA

**Eligibility:**

Only FAA-recognized community-based organizations (CBO) and educational institutions are eligible to request the establishment of a FRIA. Refer to § 89.205.

- A CBO is a membership-based association entity that meets all of the criteria in 49 U.S.C. § 44809(h).
- Educational institutions include primary and secondary schools, trade schools, colleges, and universities. An educational institution should meet applicable laws and criteria establishing it as an educational institution, as defined in Section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. § 7801) and those defined in Section 1001(a) and (b) of the Higher Education Act of 1965 (20 U.S.C. § 1001(a) and (b)).

**Who Can Submit an Application?**

Individuals that have the authority to act on behalf of a CBO or educational institution can submit an application for the establishment of a FRIA on behalf of that CBO or educational institution.



You should now have the option to **Create a FRIA Application**.

## FRIA Applications

*Submit FRIA Application(s) for your Community Based Organization (CBO) or Educational Institution.*

You currently do not have any FRIA Applications.

CREATE A FRIA APPLICATION

In the first step of the application, enter the contact information for the Primary Point of Contact. An example is shown below.

FRIA DASHBOARD / FRIA APPLICATIONS / FRIA APPLICATION

1. Contacts & Declaration
2. FRIA Details
3. Expected Utilization
4. Review Application
5. Confirmation

\* Indicates a required field or that a selection is required.

## Contacts & Declaration

APPLICATION TITLE\*
FRIA Application for Edventures High School

*Name of the Application.*

### Community Based Organization (CBO) / Educational Institution

ARE YOU A COMMUNITY BASED ORGANIZATION (CBO) OR EDUCATIONAL INSTITUTION?\*
☐ CBO
☒ EDUCATIONAL INSTITUTION

EDUCATION INSTITUTION NAME\*
Edventures High School

*Educational Institution Name.*

### Authorized Representative

FIRST NAMEMichelle

MIDDLE INITIAL

LAST NAMEFisher

*Name of the individual making the request on behalf of the CBO or educational institution.*

### Declaration\*

☒ I DECLARE THAT I HAVE THE AUTHORITY TO ACT ON BEHALF OF THE FAA-RECOGNIZED COMMUNITY-BASED ORGANIZATION (CBO) OR EDUCATIONAL INSTITUTION IDENTIFIED ON THIS APPLICATION TO REQUEST THE ESTABLISHMENT OF AN FAA-RECOGNIZED IDENTIFICATION AREA PURSUANT TO § 89.210(B)(3). IF ACTING ON BEHALF OF AN EDUCATIONAL INSTITUTION, I CERTIFY THAT THE EDUCATIONAL INSTITUTION IS RECOGNIZED AND/OR ACCREDITED AS AN EDUCATIONAL INSTITUTION (PRIMARY OR SECONDARY EDUCATIONAL INSTITUTION, TRADE SCHOOL, COLLEGE, OR UNIVERSITY) UNDER APPLICABLE STATE AND FEDERAL LAW.

**Primary Point of Contact (PPOC)**

FIRST NAME*	Michelle	MIDDLE INITIAL	Enter Middle Initial	LAST NAME*	Fisher
EMAIL*	rubiq@edventures.com	PHONE*	(208) 343-3110	PHONE EXT	Enter Phone Ext.

**PPOC Physical Address**

ADDRESS*	11915 W Executive Dr	ADDRESS	Ste 101
CITY*	Boise	STATE*	Idaho
ZIP*	83713		

**PPOC Mailing Address**

☒ Mailing Address is the same as Physical Address.

[BACK](#)
[SAVE & PROCEED](#)

On the second page of the application, enter the contact information for the Proposed FRIA Location. An example is shown below.

Reference Number: 2023-DRAFT-0000939  
Last Updated Date: 04/19/2023

\* Indicates a required field or that a selection is required.

### FRIA Details

**Physical Address of the Proposed FRIA Location**

If the requested FRIA location does not have a physical address, provide a nearby physical address from where the FRIA can be accessed along with written directions for accessing the FRIA from this physical address.

ADDRESS*	11915 W Executive Dr	ADDRESS	Ste 101
CITY*	Boise	STATE*	Idaho
ZIP*	83713		

**DIRECTIONS TO THE PROPOSED FRIA LOCATION**

RubiQ Park is located to the SE of Edventures High School. It can be accessed by parking in the main lot at 11915 W Executive Dr and walking east to the park.

158 / 500 Characters Allowed

We recommend selecting a circle boundary type. Enter the latitude, longitude and radius calculated on Google Earth. An example is shown below.

For the Airspace Authorization(s) or Letter(s) of Agreement (LOA), select Yes if your proposed FRIA location is in controlled airspace or No if you are in uncontrolled airspace.

**Location of the Proposed FRIA**

Choose the circle option to specify the boundaries using a center point and radius or choose the polygon option to specify the boundaries using a series of vertices.

BOUNDARY TYPE OF THE PROPOSED FRIA\* ☒ CIRCLE ☐ POLYGON

**Location of the Proposed FRIA: Circle Boundary**

Enter the Latitude and Longitude in Decimal Degrees (DD) using five decimal places. For Radius, enter a number in feet. For example, "37.09024" and "-95.71289" and "3500" for Latitude, Longitude, and Radius respectively.

LATITUDE\* 43.61023 LONGITUDE\* -116.33127 RADIUS\* 200

Latitude of the Center Point Longitude of the Center Point Radius in Feet from the Center Point to the Outer Perimeter

**Airspace Authorization(s) or Letter(s) of Agreement (LOA)**

DOES AN AIRSPACE AUTHORIZATION OR LETTER OF AGREEMENT (LOA) FROM THE FAA APPLY TO OPERATIONS AT THE PROPOSED FRIA?\* ☐ YES ☒ NO

**Fixed Sites**

DOES THIS PROPOSED FRIA LOCATION OVERLAP WITH AN EXISTING OR PROPOSED FIXED SITE?\* ☐ YES, AN EXISTING FIXED SITE ☐ YES, A PROPOSED FIXED SITE ☒ NO

In the Description of Purpose and Need section, be sure to explain how you will mitigate any potential risk from operating in a shared space such as an athletic field. The text below can be adapted as needed:

Recognizing drones as a tool for STEM engagement and preparing students for emerging drone careers, we have started a drone education program. The capstone experience is for students to fly drones that they have built themselves. These GPS-equipped drones are most safe when flown outside. Transporting students to an off-site flight field is not logistically feasible, and external remote ID modules are prohibitively expensive. Thus, a FRIA is needed to sustain our program.

The proposed FRIA location is located on a baseball field which is not used during the school day. Flights will only occur when the field is not otherwise being used and access is limited to those directly involved in the flight operations. Instructors will have access to a tethered radio "buddy box" system to ensure that student pilots stay within the FRIA.

**Description of Purpose and Need**

Describe the intended purpose of the FRIA and why a FRIA is needed to achieve the intended purpose. For example, the intended purpose and need could be recreational flying of Unmanned Aircraft (UA) that are not equipped with remote identification equipment.

DESCRIPTION OF PURPOSE AND NEED\*

Recognizing drones as a tool for STEM engagement and preparing students for emerging drone careers, we have started a drone education program. The capstone experience is for students to fly drones that they have built themselves. These GPS-equipped drones are most safe when flown outside. Transporting students to an off-site flight field is not logistically feasible, and external remote ID modules are prohibitively expensive. Thus, a FRIA is needed to sustain our program.

The proposed FRIA location is located on a baseball field which is not used during the school day. Flights will only occur when the field is not otherwise being used and access is limited to those directly involved in the flight operations. Instructors will have access to a tethered radio "buddy box" system to ensure that student pilots stay within the FRIA.

838 / 15000 Characters Allowed

BACK SAVE & PROCEED

In the third section of the application, include your estimate of the expected average number of flights per week. For the estimated length of a typical flight in minutes, enter 5.



For your RubiQ drones, select Multi-Copter and Electric Motor.

Select NO for operations during dawn and dusk and at night.

\* Indicates a required field or that a selection is required.

### Expected Utilization

Expected Utilization of the Proposed FRIA

PROVIDE AN ESTIMATE OF THE EXPECTED AVERAGE NUMBER OF UNMANNED AIRCRAFT (UA) FLIGHTS PER WEEK\* 5

PROVIDE AN ESTIMATE OF THE EXPECTED LENGTH OF TIME OF A TYPICAL UA FLIGHT IN MINUTES\* 5

Which of the following types of UA are expected to be regularly (on a weekly basis) operated at this site:\*

<input checked="" type="checkbox"/> FIXED WING	<input type="checkbox"/> HELICOPTER	<input checked="" type="checkbox"/> MULTI-COPTER
<input type="checkbox"/> ELECTRIC MOTOR	<input type="checkbox"/> ELECTRIC MOTOR	<input checked="" type="checkbox"/> ELECTRIC MOTOR
<input type="checkbox"/> GAS ENGINE	<input type="checkbox"/> GAS ENGINE	<input type="checkbox"/> GAS ENGINE
<input type="checkbox"/> TURBINE ENGINE	<input type="checkbox"/> TURBINE ENGINE	<input type="checkbox"/> TURBINE ENGINE

ARE UA OPERATIONS EXPECTED TO BE REGULARLY CONDUCTED ON A WEEKLY BASIS DURING DAWN OR DUSK?\* ☐ YES ☒ NO

ARE UA OPERATIONS EXPECTED TO BE REGULARLY CONDUCTED ON A WEEKLY BASIS AT NIGHT?\* ☐ YES ☒ NO

BACK SAVE & PROCEED

After reviewing your application, scroll to the bottom of the page to **Submit Application**.

ence is for students to fly drones that they have built themselves. These on-site equipped drones are most safe when flown outside. Transporting students to an off-site might not be logistically feasible and external remote ID modules are prohibitively expensive. Thus, a FRIA is needed to sustain our program.

### Expected Utilization

Expected Utilization of the Proposed FRIA

PROVIDE AN ESTIMATE OF THE EXPECTED AVERAGE NUMBER OF UNMANNED AIRCRAFT (UA) FLIGHTS PER WEEK: 5

PROVIDE AN ESTIMATE OF THE EXPECTED LENGTH OF TIME OF A TYPICAL UA FLIGHT IN MINUTES: 5

Which of the following types of UA are expected to be regularly (on a weekly basis) operated at this site:

**Multi-copter:**  
Electric Motor

ARE UA OPERATIONS EXPECTED TO BE REGULARLY CONDUCTED ON A WEEKLY BASIS DURING DAWN OR DUSK? No

ARE UA OPERATIONS EXPECTED TO BE REGULARLY CONDUCTED ON A WEEKLY BASIS AT NIGHT? No

BACK SUBMIT APPLICATION

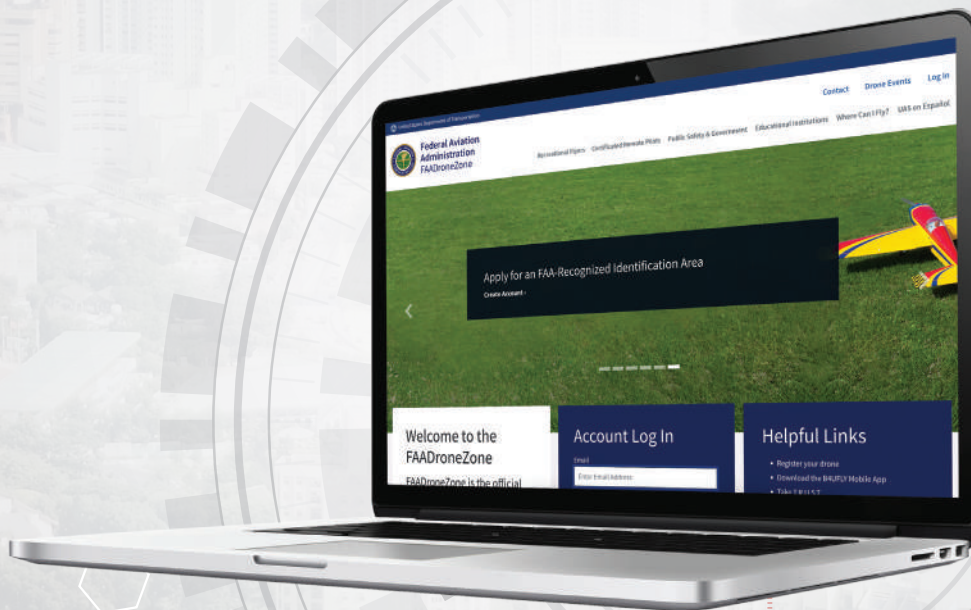


If you have any questions, don't hesitate to send us an email or give us a call:

[support@edventures.com](mailto:support@edventures.com)

(208) 343-3110

V: 10/26/23



edventures.com