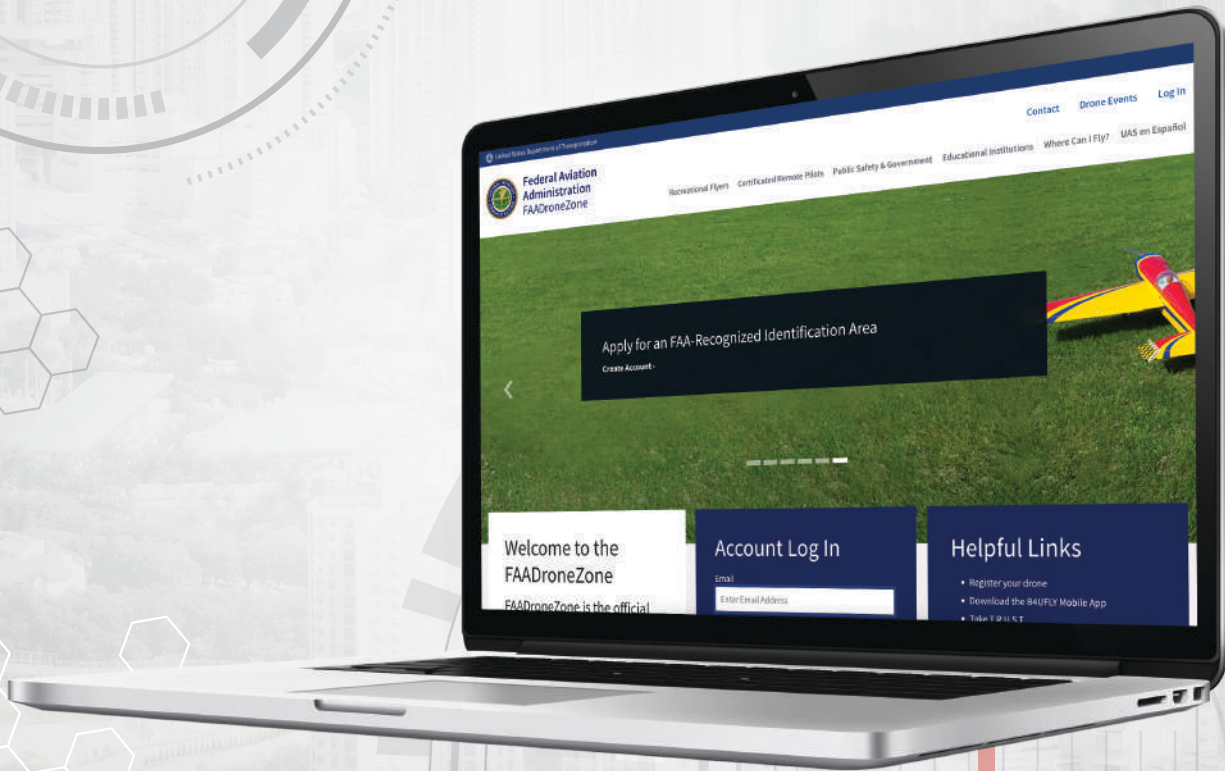


DISCOVER DRONES



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

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.

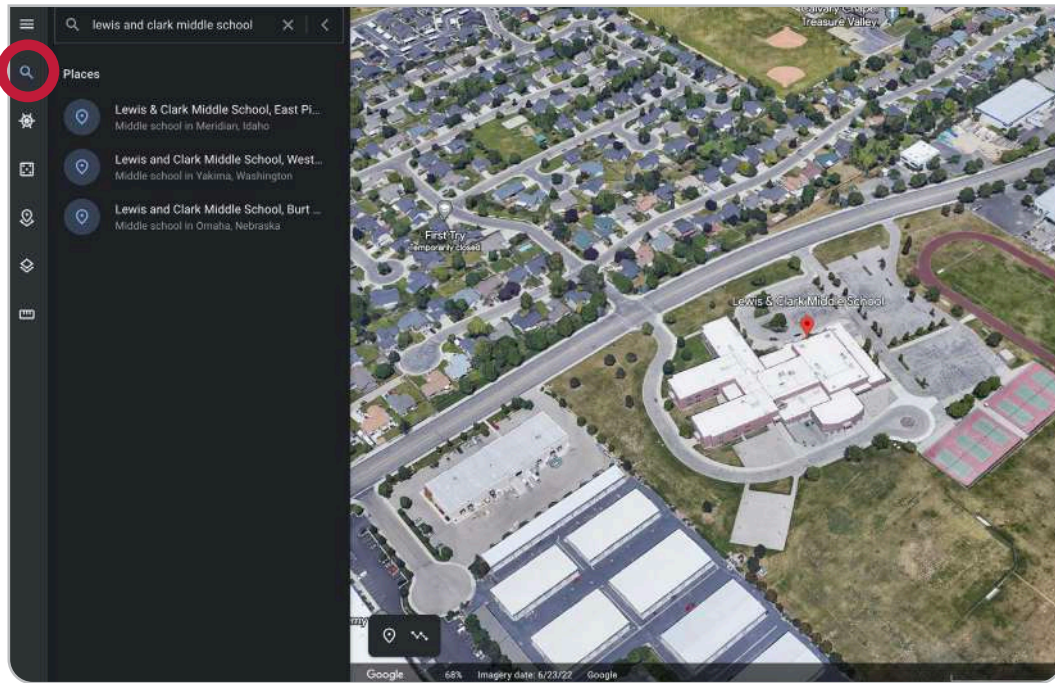
Contacts & Declaration	
Educational Institution Name	
Name of Authorized Representative of Education Institution: <i>this can be an administrator or academic staff member</i>	
Contact Information for the Primary Point of Contact (PPOC): <i>this should be the teacher or program coordinator who is either 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	
<i>Location of the Proposed FRIA: Circle Boundary *see directions below</i>	
Latitude	
Longitude	
Radius (ft)	
Airspace Authorization: Does an airspace authorization from the FAA apply to operations at the proposed FRIA? (select one) <i>**see directions below</i>	YES/NO
Fixed Sites: Does this proposed FRIA location overlap with an existing or proposed fixed site? <i>***see directions below</i>	YES, an existing fixed site YES, a proposed fixed site NO

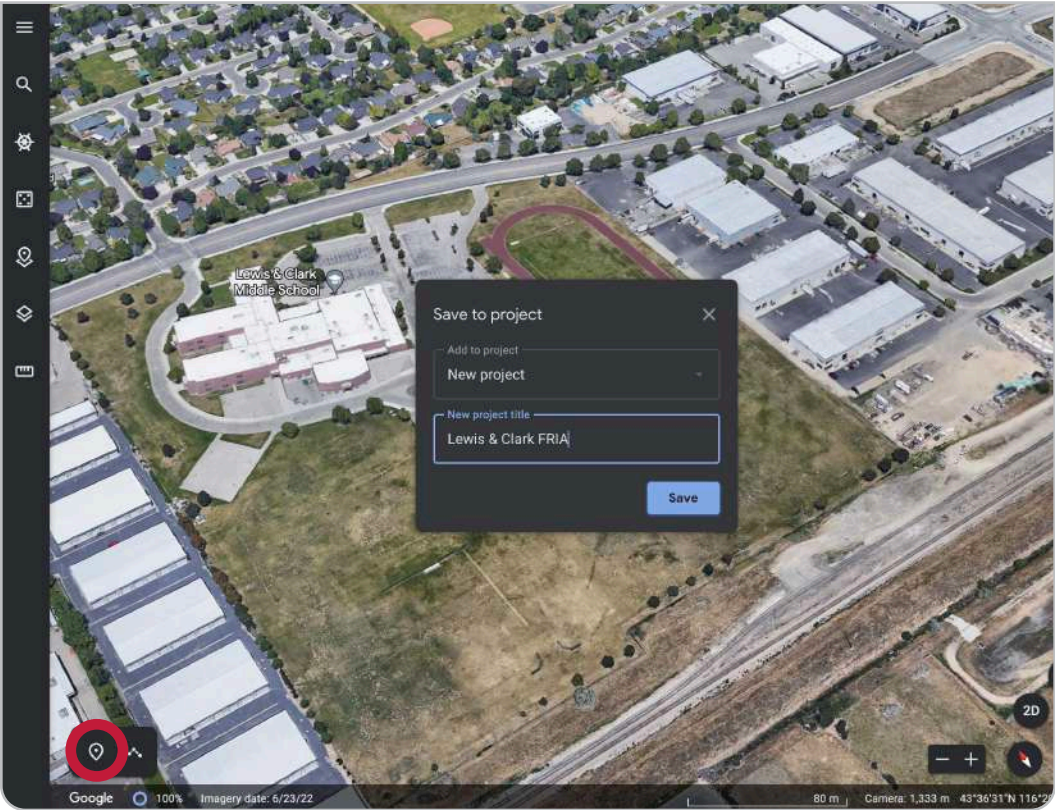
Expected Utilization	
Estimate of the Expected Average Number of Unmanned Aircraft (Drone) Flights Per Week	

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

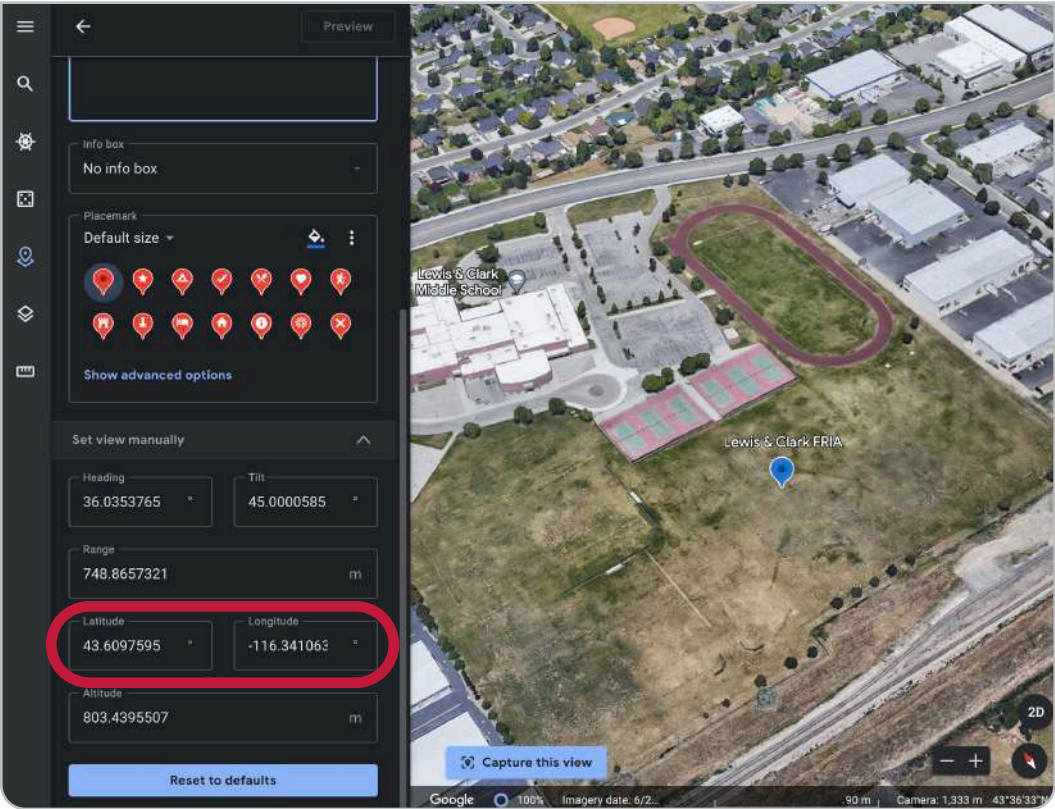
- Google Earth (earth.google.com) can help you identify the coordinates of your proposed FRIA location.
- Click the magnifying glass icon to search for your location's address.



- 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.



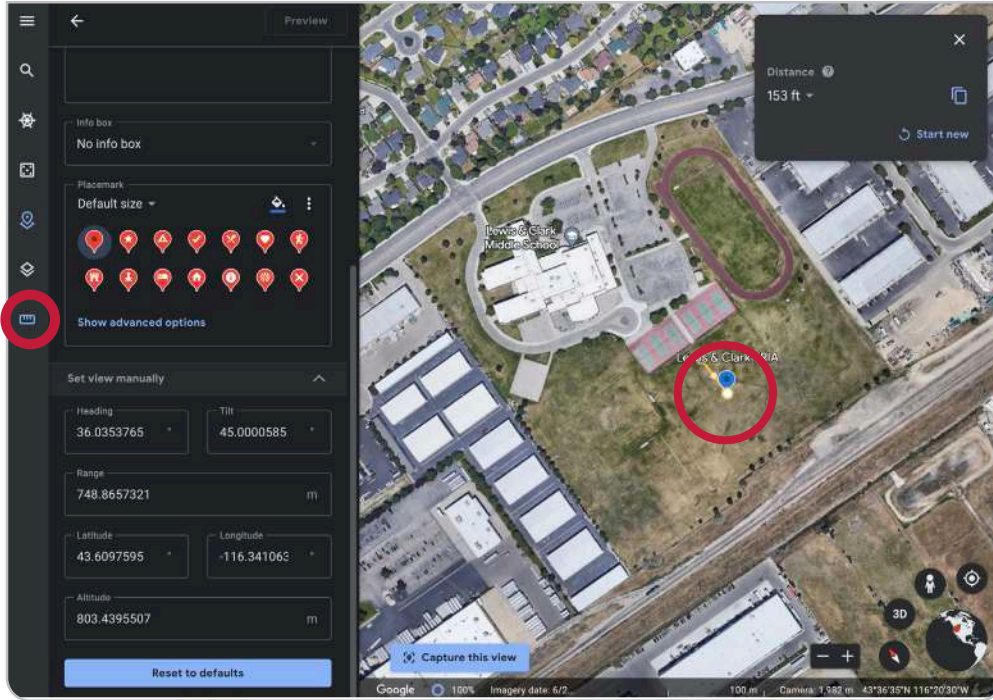
- To view the latitude and longitude coordinates, scroll to the bottom of the menu that opens on the left side of the screen once you save your project.



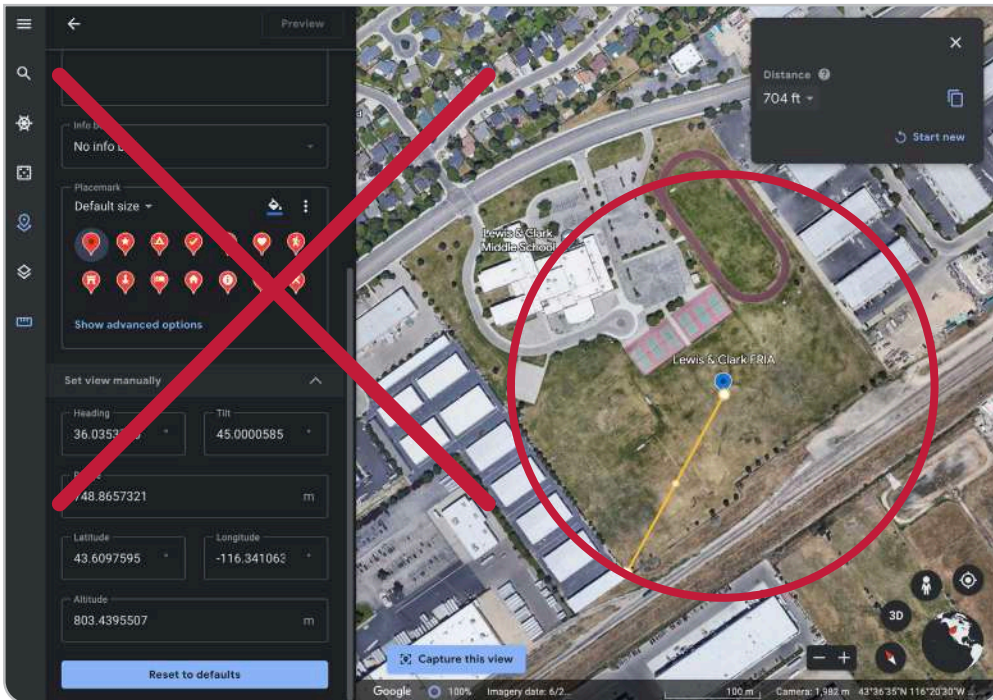
- To determine the radius needed for a circular FRIA, click the Measure Distance and Area ruler icon in the left sidebar. Click twice to draw a line from the center of your proposed FRIA location to the closest edge of the flight field.

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.



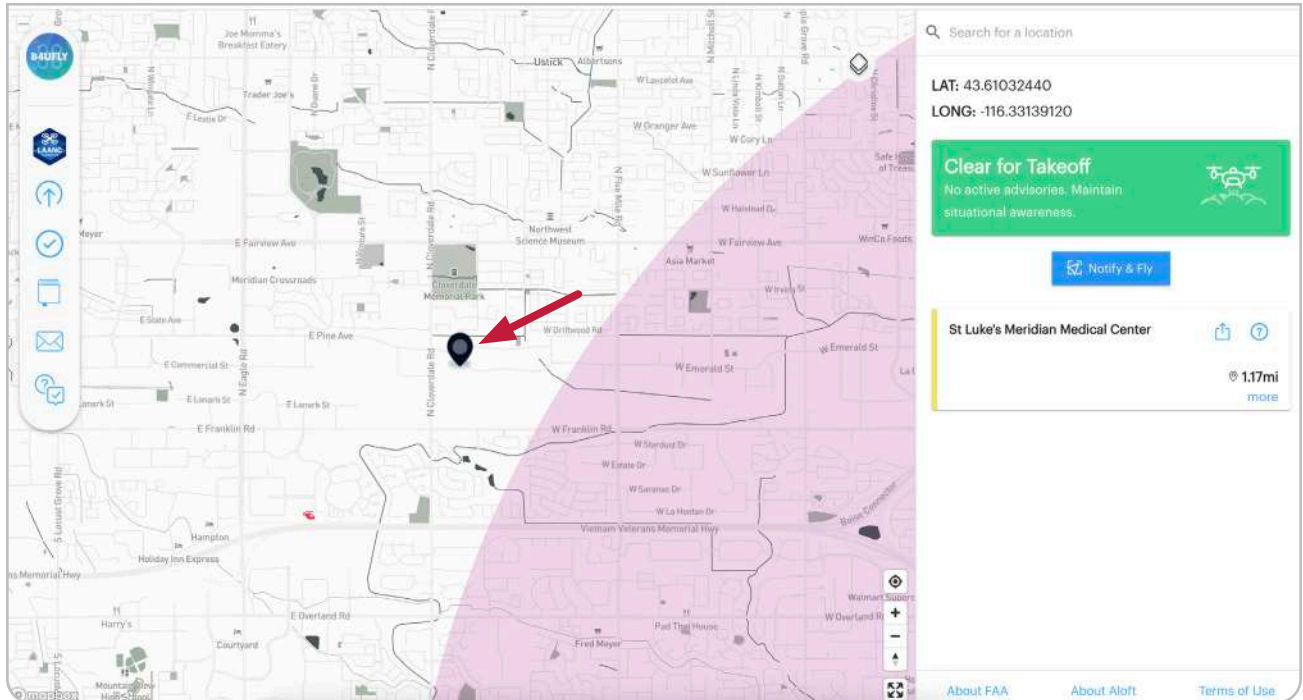
This proposed area has a small footprint that is limited to the athletic field, making it likely to be approved.



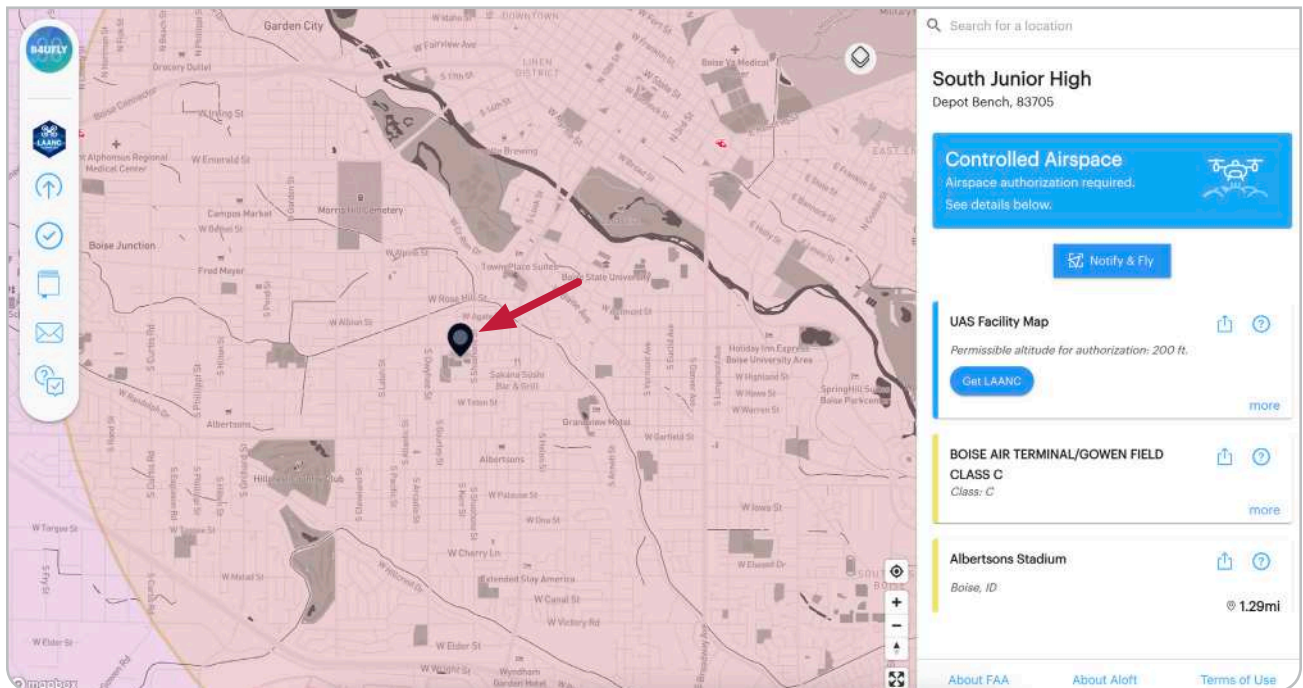
This radius is too wide. Because the proposed location includes buildings and roads, the application will likely be denied.

**How to Determine Airspace Authorization

- To find out if your proposed FRIA location is in controlled airspace, visit <https://airaware.aloft.ai/>. 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.



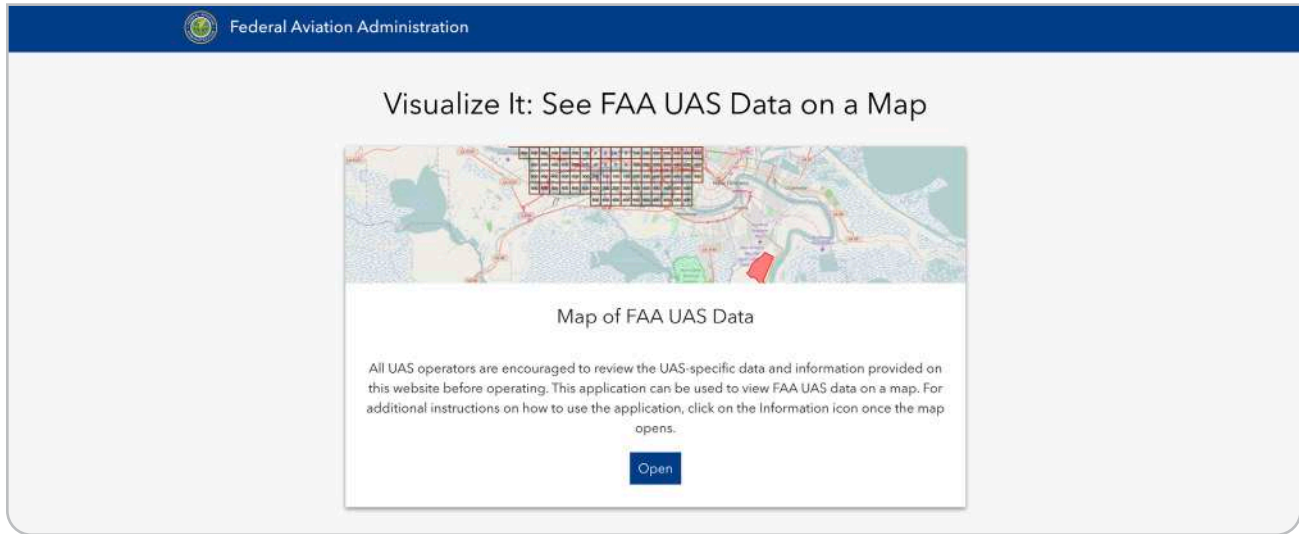
NO - Airspace Authorization is not required



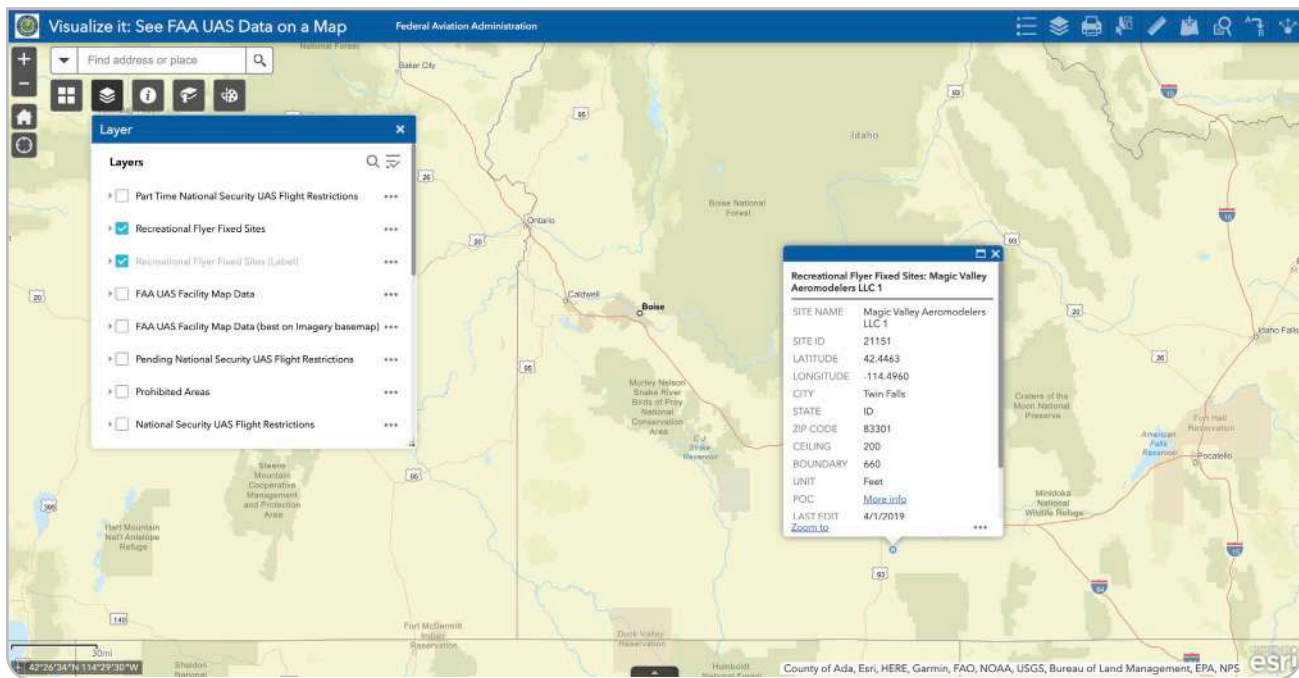
YES - Airspace Authorization is required

**How to Determine Overlap with Fixed Sites

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

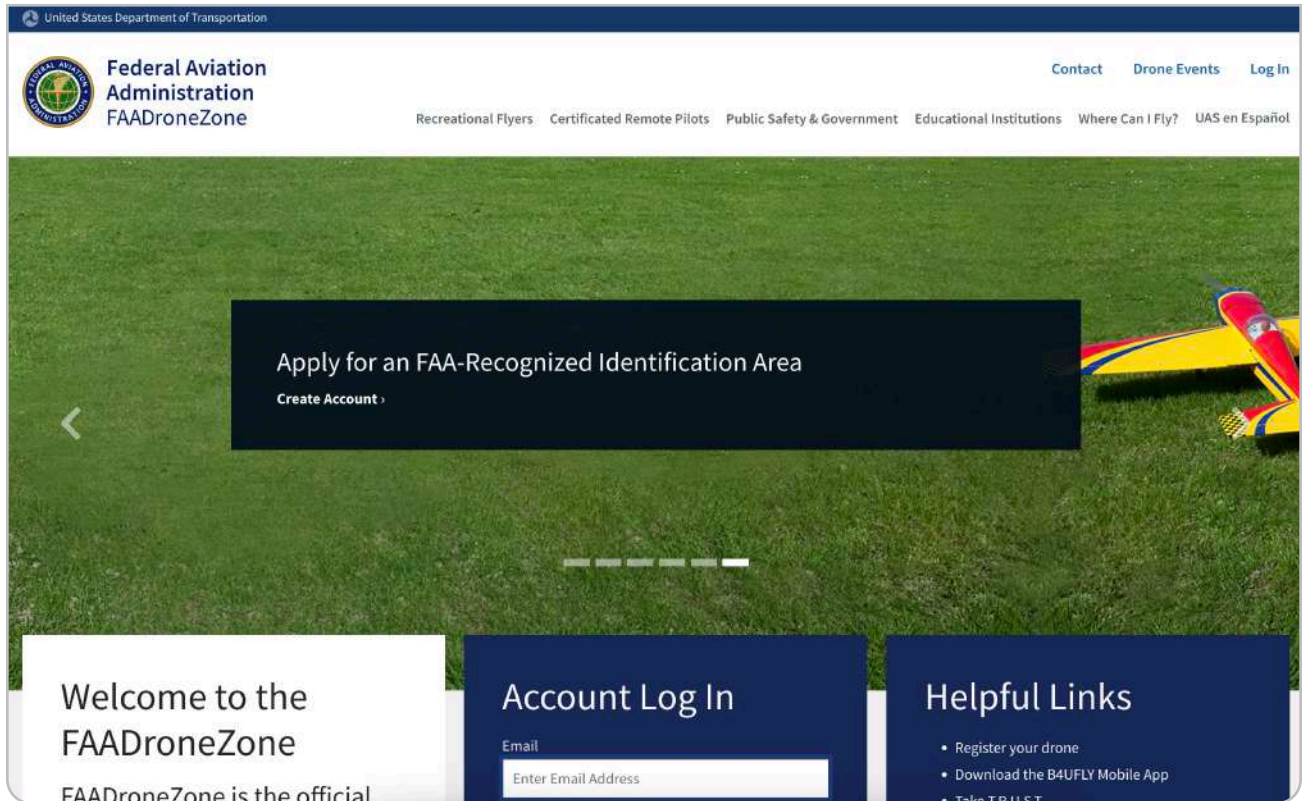


- Click the stack for Layers and make sure only Recreational Flyer Fixed Sites are selected. Then zoom into your proposed FRIA location to see if there's any overlap with your existing site.

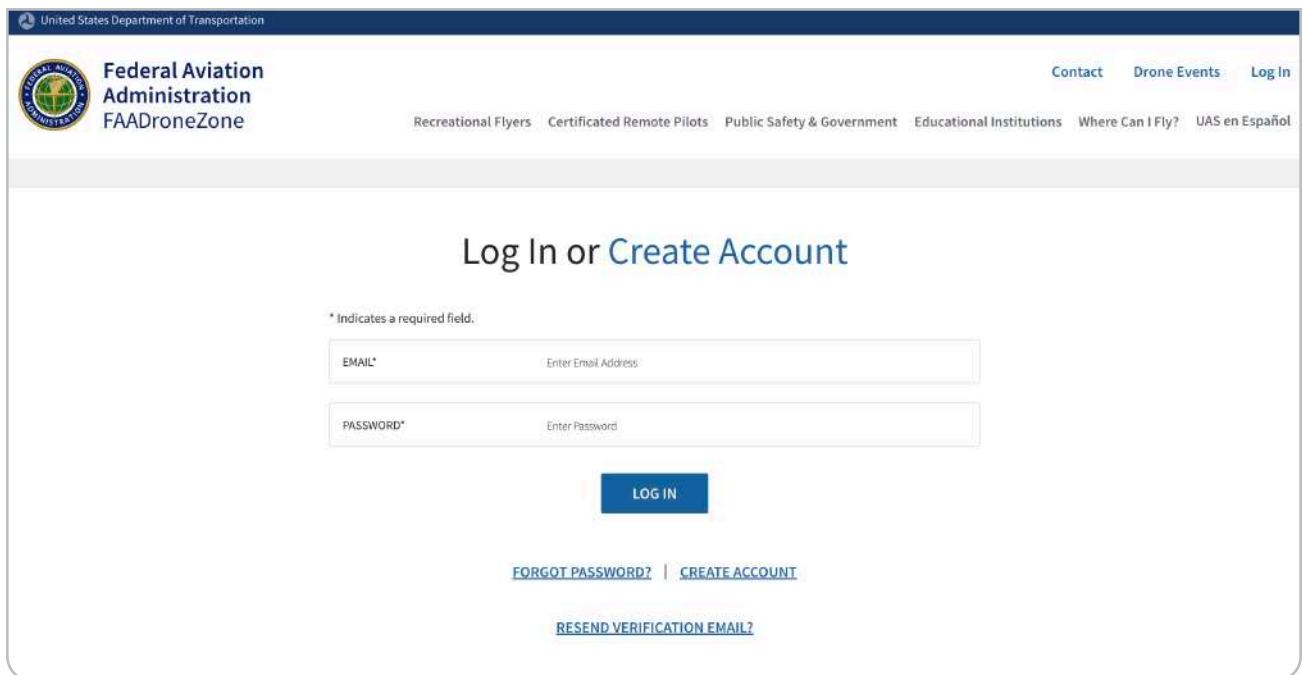


How to Submit Your FRIA Application

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**.



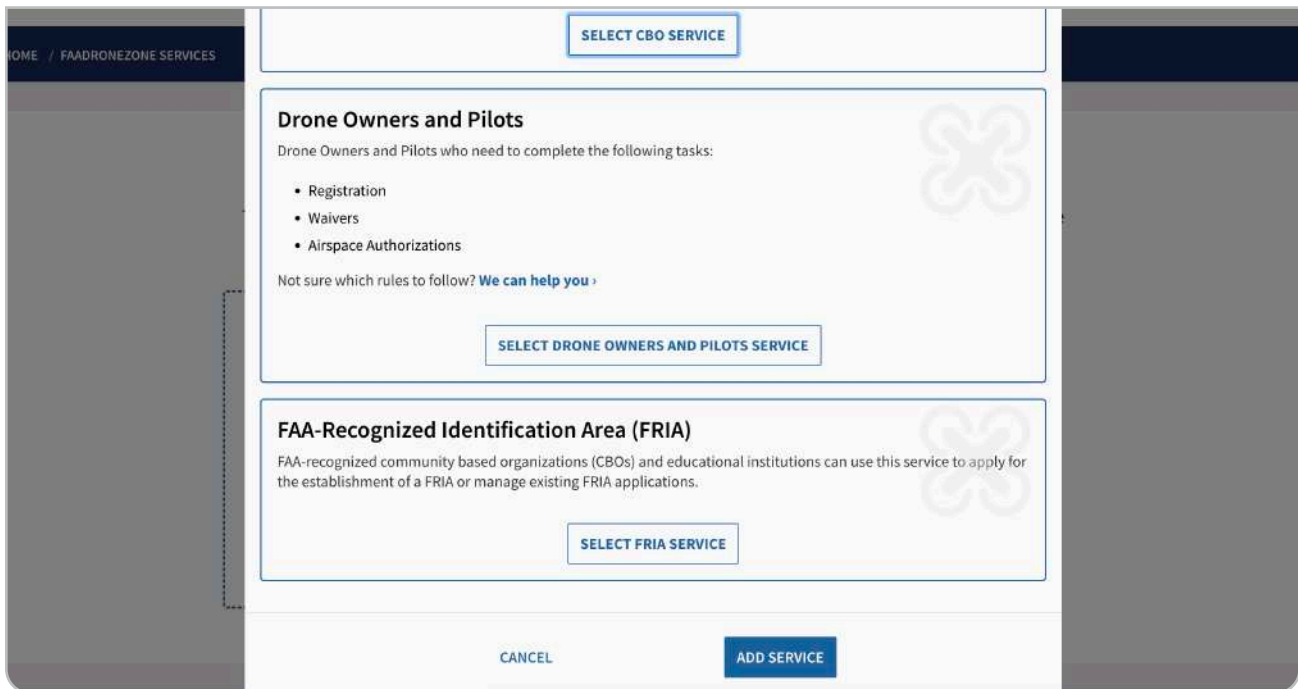
Create an account if needed or **Log In** if you already have one.



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 NAME	Michelle	MIDDLE INITIAL	
LAST NAME	Fisher	EMAIL	michelle+faa@edventures.com

[CONFIRM PROFILE](#)

REQUESTING A FRIA

Eligibility:

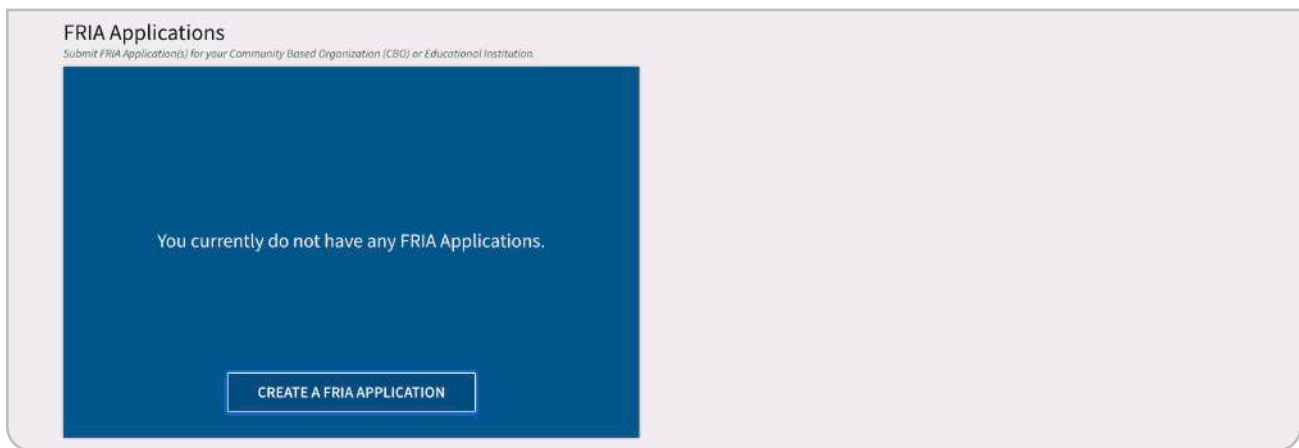
Only FAA-recognized community-based organizations (CBO) and educational institutions are eligible to request the establishment of a FRIA. Refer to § 89.205.

- 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**.



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

The image shows a screenshot of a web application interface for "FRIA APPLICATIONS". At the top is a navigation breadcrumb: "FRIA DASHBOARD / FRIA APPLICATIONS / FRIA APPLICATION". Below this is a progress bar with five steps: "1. Contacts & Declaration" (highlighted in green), "2. FRIA Details", "3. Expected Utilization", "4. Review Application", and "5. Confirmation". A note below the progress bar reads: "* Indicates a required field or that a selection is required." The main section is titled "Contacts & Declaration". It contains the following fields:

- "APPLICATION TITLE*" with the value "FRIA Application for Edventures High School".
- A label "Name of the Application." below the title field.
- "Community Based Organization (CBO) / Educational Institution" section with a field "ARE YOU A COMMUNITY BASED ORGANIZATION (CBO) OR EDUCATIONAL INSTITUTION?*" containing radio buttons for "CBO" and "EDUCATIONAL INSTITUTION", with the latter selected.
- "EDUCATION INSTITUTION NAME*" with the value "Edventures High School".
- A label "Educational Institution Name." below the name field.
- "Authorized Representative" section with three fields: "FIRST NAME" (Michelle), "MIDDLE INITIAL" (empty), and "LAST NAME" (Fisher).
- A label "Name of the individual making the request on behalf of the CBO or educational institution." below the name fields.
- "Declaration*" section with a checked checkbox and the text: "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

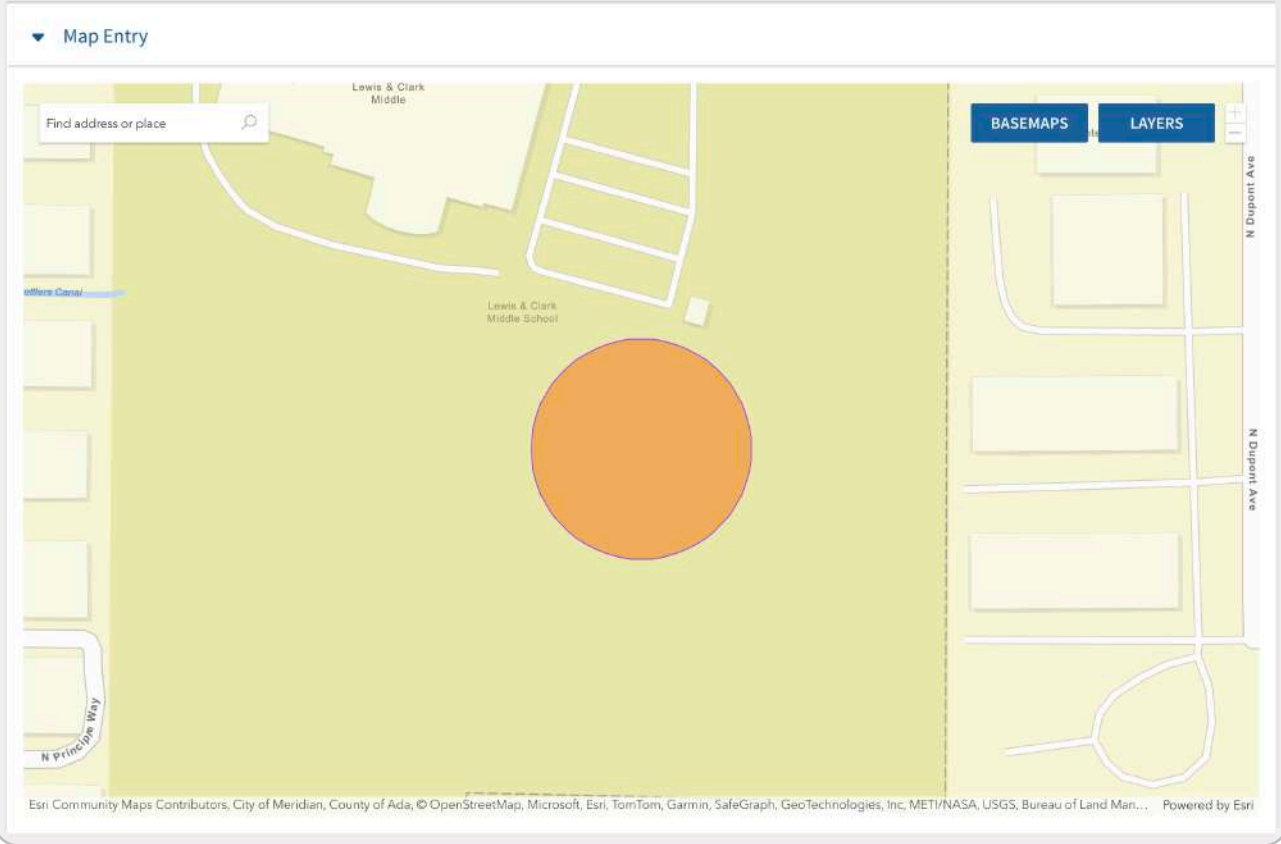
We recommend selecting a circle boundary type. Enter the latitude, longitude and radius calculated on Google Earth. Use the Map Entry visual to confirm that the footprint of the proposed FRIA does not intersect with any roads or buildings. An example is shown below.

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* 43.60976 LONGITUDE* -116.34106 RADIUS* 150

Latitude of the center point *Longitude of the center point* *Radius in feet from the center point to the outer perimeter*



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. The example location is in uncontrolled airspace and does not overlap with an existing or proposed fixed site.

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

If your proposed FRIA location is in controlled airspace, an additional section will appear when you select Yes asking you to add attachment on airspace authorization(s) or letter(s) of agreement (LOA).

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

Airspace Authorization(s) or Letter(s) of Agreement (LOA) Attachments* ADD ATTACHMENT

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

Click Add Attachment to open a menu that will allow you to save supporting documentation.

Airspace Authorization or LOA

Add any attachments that will support your Airspace Authorization or LOA.
Supported file formats include: **.bmp, .doc, .docx, .geojson, .gif, .jpeg, .jpg, .json, .kml, .kmz, .mpeg, .mpg, .pdf, .png, .ppt, .pptx, .rtf, .tif, .tiff, .txt, .xls, .xlsx, .zip, .zipx**
File size is limited to 20 MB per attachment.

* Indicates a required field.

FILENAME* Choose a file. Choose File

DESCRIPTION Enter File Attachment Description

0 / 100 Characters Allowed

CANCEL SAVE

* 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 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**.

ences 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 flight field is not 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:
 PCS Edventures • support@edventures.com • (208) 343-3110

PCS edventures!™



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