



## Rules, Rules, Rules. Rules?

How to NOT get in trouble for flying a UAV.

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## Registering

- FAA requires EVERY drone owner to register if they weigh over 0.55 lbs, less than 55 lbs
- Registration # must be marked on each drone
  - Number is tied to owner, register once and apply to all UAS
  - Do not need to have passed the 107 Pilot test to register
  - Must have certificate in possession while operating UAV, can be electronic
- The online sUAS Registration System is now open for all owner types and purposes!!
  - <https://registermyuas.faa.gov/>

~~Do I have to  
register a paper  
airplane, a toy  
balloon, or frisbee?~~

## Flying

- [https://www.faa.gov/uas/getting\\_started/](https://www.faa.gov/uas/getting_started/)
- Small UAS (sUAS) Rule came into effect on August 29, 2016
- SO –
- Apply for a public Certificate of Waiver or Authorization (COA)
- OR
- Pass the FAA Part 107 Knowledge Test and obtain a sUAS pilots rating

## Student Exemption?

- Student use for learning about the aircraft is considered recreational (as a part of a class, etc.)
- A student paid for research is likely not considered recreational
- A faculty/staff member operating a UAV as a part of their job is not considered recreational

## Certificate of Authorization (COA)

- Authorization by the Air Traffic Organization to a public operator for a specific UA activity
- Permits flights in Class G airspace at or below 400 feet, self-certification of the UAS pilot
- Submit application, FAA conducts comprehensive review
- Typically respond within 60 days with limitations
- [http://www.faa.gov/about/office\\_org/headquarters\\_offices/atp/service\\_units/systemops/aaim/organizations/uas/coa/](http://www.faa.gov/about/office_org/headquarters_offices/atp/service_units/systemops/aaim/organizations/uas/coa/)
- There's only 74 COA Holders on the FAA Website

## Part 107 Rule

- Must be at least 16 years old
- Pass an initial aeronautical knowledge test, good for 2 years
  - FAA-approved testing center (Valley or San Antonio)
- Be vetted by the Transportation Safety Administration (TSA)

Operating Rules (can apply for certificate of waiver – up to 90 days):

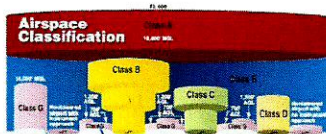
- Class G airspace
- Keep aircraft in sight
- Fly under 400 feet
- Fly during the day
- Fly at or below 100 mph
- Yield right of way to manned aircraft
- Must NOT fly over people
- Must NOT fly from a moving vehicle

## Aeronautical Knowledge Test

- Applicable regulations relating to small unmanned aircraft system rating privileges, limitations, and flight operation
- Airspace classification and operating requirements, and flight restrictions affecting small unmanned aircraft operation
- Aviation weather sources and effects of weather on small unmanned aircraft performance
- Small unmanned aircraft loading and performance
- Emergency procedures
- Crew resource management
- Radio communication procedures
- Determining the performance of small unmanned aircraft
- Physiological effects of drugs and alcohol
- Aeronautical decision-making and judgment
- Airport operations
- Maintenance and preflight inspection procedures

## Airspace

- B4UFLY Smartphone App – FAA's safety app with real-time info about airspace restrictions based on your GPS location
- Fly in Class G Airspace
- Restrictions:
  - Military operations, Controlled firing areas
  - Stadiums and Sporting events 1 hour before and after, within 3 nautical miles
  - Wildfire firefighting operations
  - Airports, within 5 miles (Class B, C, D)



## Flying for Fun

- Must register drones over 0.55 lbs (cannot have any over 55 lbs)
- No pilot requirements
- Stay 5 miles away from airports without prior permission from airport and air traffic control
- Must ALWAYS yield right of way to manned aircraft
- Keep drones within line of sight
- Must follow community-based safety guidelines