



First Half – Discuss Rules and Regulations on Commercial Drones

Agenda



Second Half – Overview of Drone Applications for Safety and Construction



Q&A

Operator Types



Hobbyist



Part 107



Section 333 Exemption Holder

Operating Drones Safely and Legally



REGISTER FOR PART 107

EXAM
HTTP://CANDIDATE.CATSTE

ST.COM/SITESEARCH.PHP



STUDY FOR THE TEST - HTTPS://3DR.COM/FAA/



PASS THE TEST AND
REGISTER CERTIFICATE
WITH THE FAA HTTPS://IACRA.FAA.GOV/IA
CRA/DEFAULT.ASPX



PURCHASE A DRONE AND REGISTER WITH FAA (DRONEZONE.FAA.GOV)



CHECK THE AIRSPACE - WEBSITE - AIRMAP.IO



CONFIRM WITH LAND
OWNER

Maintain Line of Sight

Highlighted Rules (FAA Part 107)

16 years or older

Operation in Class G Airspace Allowed without

Air Traffic Control Perm.

Max Flight Altitude 400-ft AGL (Above Ground Level)

• Applies to structures.

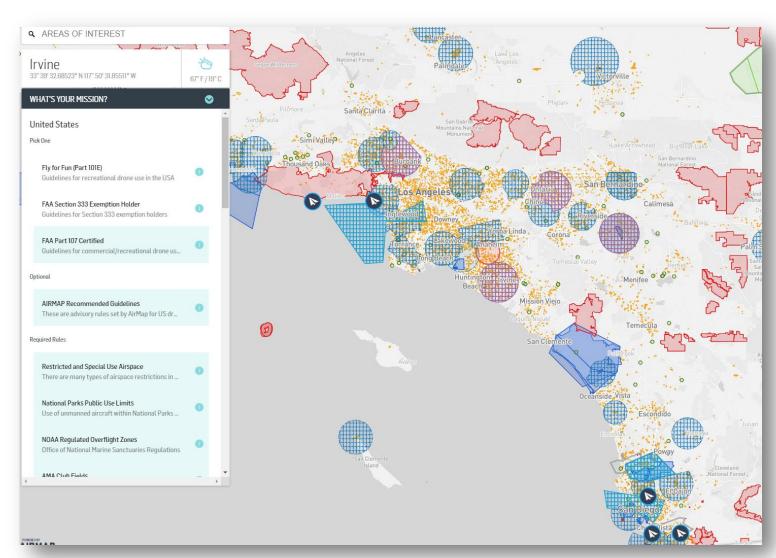
You Can Fly During Daylight and Twilight

No flying over people*

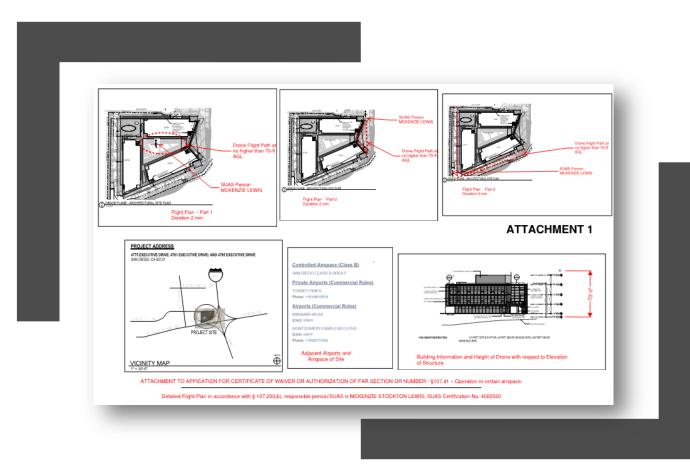
Airspace Difficulties (Airmap.io)

Airmap.io partnered with the FAA on LAANC, the Low-Altitude Authorization and Notification Capability, to make authorization in controlled airspace simple, efficient, and secure.





Flight Approval - Construction Sites



- □Communication with the Land Owner, flight plan submission.
- □Submit Insurance Requirements to Fly on an active campus.
- □Crane operator communication, if necessary.
- □Use of a Visual Observer

Part 107 Accident Reports

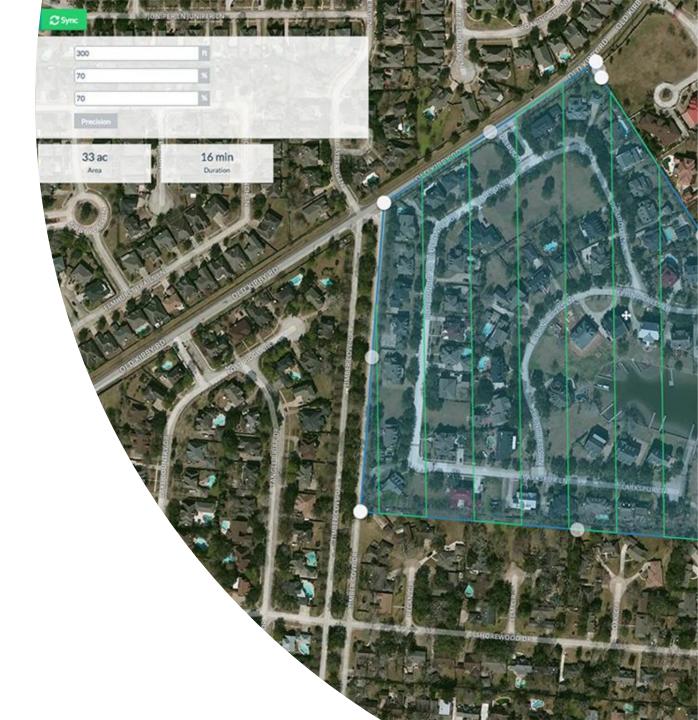
The remote pilot in command must report any sUAS accident to the FAA no later than 10 days after a Part 107 operation that meet the following criteria:

Serious injury to any person or any loss of consciousness; or

Damage to any property, other than the small unmanned aircraft, unless one of the following conditions is satisfied: The cost of repair (including materials and labor) does not exceed \$500; or The fair market value of the property does not exceed \$500 in the event of total loss.

Drone Applications

Aerial Mapping - Dronedeploy/Pix4D
Visual Inspections
Logistics Planning
Remote Site Visits
Aerial Photography (Video and Photo)



Drone Applications (continued)



Safety



Reducing Exposure to Hazardous Substances and Radiation



Disaster Response and Dangerous Inspections

(Roof Inspections)



Surveying Power Lines



Documentation & Monitoring



General Safety Inspections Large Land Projects (Housekeeping, etc.)

My Popular Applications

- Progress Photos/Exterior Site Photos
- Photogrammetry 3d model from 2d photos
- 360 Aerial Photos for View Planning
- Milestone Documentation Loma Linda Live Stream
- General Aerial Imagery
- Solar Sites



