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## 12: UAS Operator Exam Preparation

### **Course Overview**

With the explosion of unmanned aircraft, particularly multi-rotor UAS, it has become clear that there is a need operators to have a better understanding of applicable regulations, fundamental flight maneuvers, mission planning, operations in controlled airspace, communication practices, flight resources, weather factors, risk management, situational awareness and safe operating procedures. This course is available as online video training (approx 2.5 hours) or on-site presentation (6-8 hours).

#### ***This course will cover the following topics:***

Applicable FAA regulations relating to Small UAS Rating Privileges, Limitations and Flight Operations, Airspace Classifications and Operating Requirements, Obstacle Clearance Requirements, Flight Restrictions Affecting Small UAS Operation, Official Sources of Weather, Effects of Weather on Small UAS Performance, Small UAS Loading and Performance, Emergency Procedures, Crew Resource Management, Radio Communication Procedures, Determining Performance of Small UAS, Physiological Effects of Drugs and Alcohol, Aeronautical Decision Making and Judgment, Airport Operations, UAS Airspace, Low Altitude Weather Considerations, Basic UAS Safety, Flight Checklist, Mission Planning and Execution, UAS Maintenance, Aircraft Registration, preparation for testing under FAR Part §107 as specified in §107.73

Public Service/Government operating under a Certificate of Authorization/Waiver must convince the FAA that they can self-certify their drone operators to a level of safety equivalent to the Remote Pilot Certification. Whether to obtain a remote pilot certification or to train public employees, this course is comprised of material necessary to achieve that level of knowledge and understanding.

## **Course Objective**

To prepare the student operator for real-world safe operation of Small (multi-rotor and fixed wing) UAV and to provide basic study in preparation for Remote Pilot Certification under FAR Part §107 or the equivalent necessary under a grant of Certificate of Authorization or Waiver.

## **Required Material**

FAR/AIM (Regulations)  
FAA Pilot's Handbook of Aeronautical Knowledge  
FAA PKT Charts Supplement (Download)  
14CFR Part §107 (provided)  
AC 107-2 (provided)

## **Additional Class Requirements:**

None

## **ADDITIONAL CLASSROOM MATERIAL**

Handouts, resource links, videos, demonstrations

### **Online Resources**

- [www.faa.gov/uas](http://www.faa.gov/uas)

