

UASA 510: Ground School for FAA Remote Pilot Certificate - Small Unmanned Aerial Systems (UAS) in the National Airspace System

This course is based on the Federal Aviation Administration's Remote Pilot Certificate – Small Unmanned Aircraft System rating test that leads to the RPC-sUAS credential.

The UAS Academy played an important role in the development of this course. Instructor-led classroom course with extensive skill development in Airspace; Navigation; Charts; Aeronautical Decision Making; Crew Resource Management; Meteorology; Aerodynamics; and Physics of Flight. Based on a combination of the FAA Test Guide and FAR 107 Advisory Circular 107-2, 98 percent of the participants pass the FAA Remote Pilot Certificate UAG Exam on their first attempt.

The only difference between the final exam of this course offered by the FAA and the certification exam is that the course final is 35 questions and the FAA certification exam is 60 questions (plus up to 4 “not counted” validation questions). All of the material knowledge and skills needed to achieve a perfect score on the FAA certification test are covered by UAS Academy FAA licensed and experience sUAS pilots.

In order to get a Remote Pilot Certificate – Small UAS rating and begin flying a small UAS you need a pilot certificate, a TSA background check, and meet the health and age requirements.

***2 Days of Full Time Ground School, 1.25 Hours of FAA Online Review and
35 Online Multiple-Choice Questions...
Now You're Ready to take the Certification Exam at a Local FAA Test Center***

DATE/TIME: DD MMM YYYY THRU DD MMM YYYY. THE COURSE STARTS AT 0830 AND ENDS AT 1630 EACH DAY.

REFERENCE MATERIALS PROVIDED: FAR 107 REGULATION; FAA AC 107-2; UASA FAA RP-S STUDY GUIDE; FAA UAG STUDY GUIDE v1 AUG 2016; UASA 510 COURSE SLIDES, OTHER MATERIALS INTRODUCED IN TRAINING – ALL ELECTRONIC VIA DROPBOX.

**WORKING LUNCH CAFÉ BREAK 1145 TO 1215 – WE WORK THROUGH EXTRA INSTRUCTION
FEEL FREE TO BRING YOUR LUNCH**

LEAD INSTRUCTOR:

JIM BLANCHARD, SCD
CHIEF SCIENTIST, UAS ACADEMY
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703 856 8400

LOCATION:

LASR@ tbd
Street
City, State, Zip

Commercial Operations FAR 107 Ground School Training Course Outline

COURSE OBJECTIVES:

1. Prepare the participants for operating a commercial UAS that is compliant with current and emerging Federal Aviation Regulations (FARs) and other US Federal Law as applicable.
2. Provide a detailed summary of the development of Crew Resource Management (CRM) as a component in Aeronautical Decision Making (ADM) in aviation so as to encourage and facilitate a team exercise in remotely piloted operations of aerial vehicles.
3. Develop a strong understanding in the participants of the requirements for a safe and efficient unmanned autonomous air vehicle as a component of the unmanned system.
4. Provide participants with a series of cases for context-specific knowledge and skill application in airspace assessment.
5. Ensure participants know the requirements for the operation of an air vehicle with regard to FARs applicable to FAR 107 operations.
6. Provide participants with a series of flight operations challenges (context-specific requirements) for the developing a meaningful aviation safety management system with regard to FARs.
7. Develop an ability for the participants to read, assess, and prepare a weight and balance operational safety assessment with regard to the operation of a UAS.
8. Demonstrate the ability to read and understand VFR charts.
9. Understand aviation meteorology applicable to unmanned aircraft preflight planning and operations.