

UAS Standards, Reg, Law & Exam

FAA Regulations: Part 107

Lesson 1c – Remote Pilot Certificate and Waivers



Objectives of FAA Regulations

- To determine the applicant is knowledgeable in the general regulatory requirements of the Title 14 of the Code of Federal Regulations (CFR) Part 107
- To determine that the applicant is knowledgeable of the operating rules of 14 CFR Part 107, the registration rules of 14 CFR Part 47 and Part 48, and other associated operating requirements
- To determine that the applicant is knowledgeable in the requirements associated with remote pilot certification with an small UAS (sUAS) rating
- To determine that the applicant is knowledgeable of the FAA waiver policy and requirements



Conviction for Offenses Involving Alcohol or Drugs

- A conviction for the violation of any Federal or State drug statute is grounds for:
 - ❑ Denial of an application for a remote pilot certificate with an sUAS rating for a period of up to one (1) year after the date of final conviction or
 - ❑ Suspension or revocation of a remote pilot certificate with an sUAS rating
- The consequences of refusing to submit a drug or alcohol test or to furnish test results is grounds for:
 - ❑ Denial of an application for a remote pilot certificate with an sUAS rating for a period of up to one (1) year after the date of that refusal or
 - ❑ Suspension or revocation of a mote pilot certificate with an sUAS rating



Eligibility for a Remote Pilot Certificate with an sUAS Rating

- Be at least 16 years of age
- Be able to read, speak, write, and understand the English language (exceptions may be made for medical reasons)
- Be in a physical and mental condition that would not interfere with the safe operation of an sUAS
- Pass the initial aeronautical knowledge test at an FAA-approved knowledge testing center (KTC)
- Pass a background check by the Transportation Security Administration upon submission of the application for a Remote Pilot Certificate



The Requirements for the RPIC

- Obtain a Remote Pilot Certificate with an sUAS rating (does not expire)
- Pass a recurrent in-person aeronautical knowledge test every 24 months; but effective March 16, 2021, certified remote pilots are no longer required to take an in-person test every 24 months to keep their certificate current; all you need to do is take a free “refresher training” online with FAA
- Prior to flight, the RPIC must:
 - ❑ Conduct a preflight inspection, to include specific aircraft and control station system checks, to ensure the sUAS is safe for operation
 - ❑ Make available to the FAA, upon request, the sUAS for inspection or testing, and any associated documents/records
- After flight, the RPIC must:
 - ❑ Report any accidents to the FAA within 10 days if the sUAS operation results in serious injury or property damage over \$500



Part 107 – Waivers

- If the RPIC determines that the operation cannot be conducted within the regulatory structure of Part 107, they are responsible for applying for a Certificate of Waiver (CoW) and proposing a safe alternative to the operation
- This CoW will allow an sUAS operation to deviate from certain provisions of Part 107 as long as the FAA finds that the proposed operation can be safely conducted under the terms of that CoW



Part 107 – Waivers

- The FAA Administrator may issue a CoW authorizing a deviation from any regulation specified in 14 CFR §107.205 as listed below:
 - ❑ §107.25 – Operating from a moving vehicle or aircraft; however, no waiver of this provision will be issued to allow the carriage of property of another by aircraft for compensation or hire
 - ❑ §107.29(a)(2) and (b) – Anti-collision light required for operations at night and during periods of civil twilight
 - ❑ §107.31 – Visual line of sight aircraft operation; however, no waiver of this provision will be issued to allow the carriage of property of another by aircraft for compensation or hire
 - ❑ §107.33 – Visual observer



Part 107 – Waivers

- The FAA Administrator may issue a CoW authorizing a deviation from any regulation specified in 14 CFR §107.205 as listed below:
 - 107.35 – Operation of multiple sUAS
 - §107.37(a) – Yielding the right of way
 - §107.39 – Operation over people
 - §107.41 – Operation in certain airspace
 - §107.751 – Operating limitations for small unmanned aircraft
 - §107.145 – Operations over moving vehicles



Part 107 – Waivers

- After submitting your CoW application and supporting documentation via faadronezone.faa.gov, the FAA will determine if the proposed operation can be conducted safely; if the application is denied, you will receive notification stating the reasons for denial; if the waiver or authorization is granted, you will receive direct notification with:
 - ❑ The complete FAA Form 7711-1, Certificate of Waiver or Authorization, dated, signed, and approved by the FAA; and
 - ❑ Specific special provisions that become regulatory for the waiver holder



Part 107 – Waivers

You want to...	Part 107 regulation you need a waiver from...
Fly a small UAS from a moving aircraft or a vehicle in populated areas	§ 107.25 – Operation from a Moving Vehicle or Aircraft
Fly a small UAS at night without anti-collision lighting	§ 107.29(a)(2) – Operation at night
Fly a small UAS during periods of civil twilight without anti-collision lighting	§ 107.29(b) – Operation at Night
Fly a small UAS beyond your ability to clearly determine the position, altitude, attitude, and movement of the sUA, with unaided vision.	§ 107.31 – Visual Line of Sight Aircraft Operation
Use a visual observer without following all visual observer requirements	§ 107.33 – Visual Observer
Fly multiple small UAS with only one remote pilot	§ 107.35 – Operation of Multiple Small UAS
Fly over a person with a small UAS which does not meet conditions of operational categories 1, 2, 3, or 4	§ 107.39 – Operation over human beings.
Fly a small UAS: <ul style="list-style-type: none">• Over 100 miles per hour groundspeed• Over 400 feet above ground level (AGL)• With less than 3 statute miles of visibility• Within 500 feet vertically or 2000 feet horizontally from clouds	§ 107.51 – Operating limitations for Small Unmanned Aircraft
Fly over moving vehicles with a small UAS which does not meet conditions of operational categories 1, 2, 3, or 4	§ 107.145 – Operations Over Moving Vehicles



Part 107 – Waivers

- It should be noted that you do not need a waiver to fly a drone following Part 107 rules
- You do need a waiver when you want to operate a drone contrary to the rules in Part 107 under the waivable operations
- How to apply for a waiver:
 - ❑ Step 1 – Determine what you need
 - ❑ Step 2 – Login to FAA DroneZone
 - ❑ Step 3 – Decision

For more information, please visit

https://www.faa.gov/uas/commercial_operators/part_107_waivers

