

# Paths to UAS Flight Today

Multiple ways to fly UAS for non-recreational reasons

## Part 107

- UAS < 55 lbs.
- Class G Airspace\*
- Visual Line of Sight\*
- At or below 400ft\*
- Fly during day\*
  - a. Night Operations: This rule allows routine operations of small UAS, beginning April 21, 2021, at night under two conditions:
    - i. The remote pilot in command must complete an updated initial knowledge test or online recurrent training, and
    - ii. The small unmanned aircraft must have lighted anti-collision lighting visible for at least three (3) statute miles that has a flash rate sufficient to avoid a collision.
- Fly at or below 100mph\*
- No operations over people\*
  - a. The ability to fly over people varies depending on the level of risk that a small UAS operation presents to people on the ground. Operations over people are permitted subject to the following requirements: [Operations Over People General Overview | Federal Aviation Administration \(faa.gov\)](#).

## Airworthiness & Type Design

- Type certificate required for standard airworthiness certificate
- Standard airworthiness certificate allowed for carrying persons or property for compensation or hire (with appropriate operational approval)
- Experimental Airworthiness Certificate for:
  - Research & Development
  - Showing compliance
  - Crew training
  - Market survey
  - Exhibition

## 49 USC §44807

- The successor to 333 exemptions
- UAS ≥ 55 lbs.
- Pilot requirements on case-by-case basis
- Requires COA for airspace authorization
- Authority expires in 2023

\* May apply for a waiver or airspace authorization to fly beyond requirement