



## PART 107 DRONE PILOT TEST PREP

### Regulations

- Part 107 Definitions
- Registration Requirements
- Conditions for Safe Operations
- PIC Responsibilities
- Visual Observers
- Visual Line of Sight
- Hazardous Operations
- Daylight Operations
- See and Avoid of Other Aircraft
- Operating Restrictions
- Eligibility Requirements
- Waiver Policy

### Airspace

- National Airspace System
- Operations in Controlled Airspace
- Operations in Uncontrolled Airspace

### Flight Restrictions

- Prohibited & Restricted Areas
- TFRs
- Special Use Airspace
- Other Airspace

### Chart Study

- Navigation Basics
- Chart Interpretation

### Airport Operations

- Operations near Towered & Non-Towered Airports
- Runway Markings and Signage
- Traffic Patterns

### Radio Communications

- Communications Around Airports
- ATIS
- Standard Communications
- Self-Announce Procedures
- Common Traffic Advisory Frequency
- UNICOM / MULTICOM
- Traffic Pattern Communications

### Aviation Weather

- Atmospheric Basics
- Types of Weather
- Micrometeorology
- Weather Planning
- Weather Briefings
- Current Conditions (METARs)
- Aviation Forecasts (TAFs)
- Weather Factors and Their Effect on sUAS

### Maintenance and Preflight Procedures

- Scheduled & Unscheduled Maintenance
- Preflight Inspection
- Record Keeping
- FAA Inspection & Testing

### Crew Resource Management and Aeronautical Decision Making

- Hazards & Risks
- Decision Making
- Risk Management
- Crew Resource Management
- Crew Coordination
- Hazardous Attitudes

### sUAS Loading and Performance

- Basic Aerodynamics
- Aircraft Loading
- Weight & Balance
- Stability and Control
- Center of Gravity
- Longitudinal Stability
- Performance Data

### Hazards to Flight and Emergency Procedures

- Flight Hazards
- Accident Factors
- Reporting In-Flight Emergencies
- Emergency Communications
- Lost Link/Fly Away
- Battery Low/Battery Fire
- System Malfunction
- Loss of GPS Signal

### Aviation Physiology

- Stress
- Fatigue
- Dehydration
- Heat Stroke
- Hyperventilation
- Vision Impairment
- Impact of Drugs & Alcohol
- Determining Fitness for Flight

### Taking The Exam

- Registering
- Exam Logistics
- Applying for Remote Pilot Certificate with sUAS Rating
- Updating your Address