

I. Regulations

I. Regulations	
Task	Task A. General
References	14 CFR part 107, subpart A; AC 107-2
Objective	To determine that the applicant is knowledgeable in the general regulatory requirements of 14 CFR part 107.
Knowledge	The applicant demonstrates understanding of:
UA.I.A.K1	1. The applicability of 14 CFR part 107 to small unmanned aircraft operations.
UA.I.A.K2	2. Definitions used in 14 CFR part 107.
UA.I.A.K3	3. The ramification of falsification, reproduction, or alteration of a certificate, rating, authorization, record, or report.
UA.I.A.K4	4. Accident Reporting.
UA.I.A.K5	5. Inspection, testing, and demonstration of compliance.
Risk Management	[Reserved]
Skills	[Not applicable]

Task B. Operating Rules	
Task	Task B. Operating Rules
References	14 CFR parts 47, 48 and 107, subpart B; AC 107-2
Objective	To determine that the applicant is knowledgeable of the operating rules of 14 CFR part 107, the registration rules of 14 CFR parts 47 and 48, and other associated operating requirements.
Knowledge	The applicant demonstrates understanding of:
UA.I.B.K1	1. Registration requirements for sUAS.
UA.I.B.K2	2. The requirement for the sUAS to be in a condition for safe operation.
UA.I.B.K3	3. Medical condition(s) that would interfere with safe operation of an sUAS.
UA.I.B.K4	4. The responsibility and authority of the remote PIC.
UA.I.B.K4a	a. Allowing a person other than the remote PIC to manipulate the flight controls.
UA.I.B.K5	5. Regulatory deviation and reporting requirements for in-flight emergencies.
UA.I.B.K6	6. Hazardous operations.
UA.I.B.K6a	a. Careless or reckless
UA.I.B.K6b	b. Dropping an object
UA.I.B.K7	7. Operating from a moving aircraft or moving land- or water-borne vehicle.
UA.I.B.K8	8. Alcohol or drugs and the provisions on prohibition of use.
UA.I.B.K9	9. Daylight operation.
UA.I.B.K10	10. Visual line of sight (VLOS) aircraft operations.
UA.I.B.K11	11. The requirements when a visual observer is used.
UA.I.B.K12	12. The prohibition of operating multiple sUAS.
UA.I.B.K13	13. The prohibition of carrying hazardous material.
UA.I.B.K14	14. Staying safely away from other aircraft and right-of-way rules.
UA.I.B.K14a	a. See and avoid other aircraft and other potential hazard considerations of the remote PIC
UA.I.B.K15	15. Operations over human beings.
UA.I.B.K16	16. Prior authorization required for operation in certain airspace.
UA.I.B.K17	17. Operating in the vicinity of airports.
UA.I.B.K18	18. Operating in prohibited or restricted areas.
UA.I.B.K19	19. Flight restrictions in the proximity of certain areas designated by notice to airmen (NOTAM).
UA.I.B.K20	20. Preflight familiarization, inspection, and actions for aircraft operations.
UA.I.B.K21	21. Operating limitations for sUAS.
UA.I.B.K21a	a. Maximum groundspeed
UA.I.B.K21b	b. Altitude limitations
UA.I.B.K21c	c. Minimum visibility
UA.I.B.K21d	d. Cloud clearance requirements
UA.I.B.K22	22. The requirements for a Remote Pilot Certificate with an sUAS rating.
Risk Management	[Reserved]
Skills	[Not applicable]

I. Regulations (continued)

I. Regulations (continued)	
Task	Task C. Remote Pilot Certification with an sUAS rating
References	14 CFR part 107, subpart C; AC 107-2
Objective	To determine that the applicant is knowledgeable in the requirements associated with remote pilot certification with an sUAS rating.
Knowledge	The applicant demonstrates understanding of:
<i>UA.I.C.K1</i>	1. Offenses involving alcohol or drugs.
<i>UA.I.C.K2</i>	2. The consequences of refusing to submit to a drug or alcohol test or to furnish test results.
<i>UA.I.C.K3</i>	3. The eligibility requirements for a Remote Pilot Certificate with an sUAS rating.
<i>UA.I.C.K4</i>	4. Aeronautical knowledge recency.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	Task D. Waivers
References	14 CFR part 107, subpart D; AC 107-2
Objective	To determine that the applicant is knowledgeable of the FAA waiver policy and requirements.
Knowledge	The applicant demonstrates understanding of:
<i>UA.I.D.K1</i>	1. The waiver policy and requirements.
Risk Management	[Reserved]
Skills	[Not applicable]

II. Airspace Classification and Operating Requirements

Task	<i>Task A. Airspace Classification</i>
References	14 CFR part 71; AC 107-2; FAA-H-8083-25; AIM
Objective	To determine that the applicant is knowledgeable in airspace classification.
Knowledge	The applicant demonstrates understanding of:
UA.II.A.K1	1. General airspace
UA.II.A.K1a	a. Class B controlled airspace
UA.II.A.K1b	b. Class C controlled airspace
UA.II.A.K1c	c. Class D controlled airspace
UA.II.A.K1d	d. Class E controlled airspace
UA.II.A.K1e	e. Class G uncontrolled airspace
UA.II.A.K2	2. Special-use airspace, such as prohibited, restricted, warning areas, military operation areas, alert areas, and controlled firing areas.
UA.II.A.K3	"3. Other airspace areas, such as Airport Advisory Services, Military Training Routes (MTRs), Temporary Flight Restrictions (TFRs), Parachute Jump Operations, Terminal Radar Service Areas (TRSAs), National Security Areas (NSA) and Visual Flight Rules (VFR) routes."
UA.II.A.K4	4. Air Traffic Control (ATC) and the NAS.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	<i>Task B. Airspace Operational Requirements</i>
References	14 CFR part 71; AC 107-2; AIM; SAFO 10015
Objective	To determine that the applicant is knowledgeable of airspace operational requirements.
Knowledge	The applicant demonstrates understanding of:
UA.II.B.K1	1. Basic weather minimums.
UA.II.B.K2	2. ATC authorizations and related operating limitations.
UA.II.B.K3	3. Operations near airports.
UA.II.B.K4	4. Potential flight hazards.
UA.II.B.K4a	a. Common aircraft accident causal factors
UA.II.B.K4b	b. Avoid flight beneath unmanned balloons
UA.II.B.K4c	c. Emergency airborne inspection of other aircraft
UA.II.B.K4d	d. Precipitation static
UA.II.B.K4e	e. Light amplification by stimulated emission of radiation (laser) operations and reporting illumination of aircraft
UA.II.B.K4f	f. Avoiding flight in the vicinity of thermal plumes, such as smoke stacks and cooling towers
UA.II.B.K4g	g. Flying in the wire environment
UA.II.B.K5	5. The NOTAM system including how to obtain an established NOTAM through Flight Service.
Risk Management	[Reserved]
Skills	[Not applicable]

III. Weather

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Task	Task A. Sources of Weather
References	AC 107-2; FAA-H-8083-25; AIM
Objective	To determine that the applicant is knowledgeable in sources of weather information.
Knowledge	The applicant demonstrates understanding of:
UA.III.A.K1	1. Internet weather briefing and sources of weather available for flight planning purposes.
UA.III.A.K2	2. Aviation routine weather reports (METAR).
UA.III.A.K3	3. Terminal aerodrome forecasts (TAF).
UA.III.A.K4	4. Weather charts.
UA.III.A.K5	5. Automated surface observing systems (ASOS) and automated weather observing systems (AWOS).
Risk Management	[Reserved]
Skills	[Not applicable]

Task	Task B. Effects of Weather on Performance
References	AC 00-6; AC 107-2; AIM; FAA-H-8083-25
Objective	To determine that the applicant is knowledgeable of the effects of weather on performance.
Knowledge	The applicant demonstrates understanding of:
UA.III.B.K1	1. Weather factors and their effects on performance:
UA.III.B.K1a	a. Density altitude
UA.III.B.K1b	b. Wind and currents
UA.III.B.K1c	c. Atmospheric stability, pressure, and temperature
UA.III.B.K1d	d. Air masses and fronts
UA.III.B.K1e	e. Thunderstorms and microbursts
UA.III.B.K1f	f. Tornadoes
UA.III.B.K1g	g. Icing
UA.III.B.K1h	h. Hail
UA.III.B.K1i	i. Fog
UA.III.B.K1j	j. Ceiling and visibility
UA.III.B.K1k	k. Lightning
Risk Management	[Reserved]
Skills	[Not applicable]

IV. Loading and Performance

IV. Loading and Performance	
Task	Task A. Loading and Performance
References	AC 107-2; FAA-H-8083-25
Objective	To determine that the applicant is knowledgeable in the loading and performance of an sUAS.
Knowledge	The applicant demonstrates understanding of:
<i>UA.IV.A.K1</i>	1. General loading and performance:
<i>UA.IV.A.K1a</i>	a. Effects of loading changes
<i>UA.IV.A.K1b</i>	b. Balance, stability, and center of gravity
<i>UA.IV.A.K2</i>	2. The importance and use of performance data to predict the effect on the aircraft's performance of an sUAS.
Risk Management	[Reserved]
Skills	[Not applicable]

V. Operations

V. Operations	
Task	Task A. Radio Communications Procedures
References	AC 107-2; AIM
Objective	To determine that the applicant is knowledgeable in radio communication procedures.
Knowledge	The applicant demonstrates understanding of:
UA.V.A.K1	1. Airport operations with and without an operating control tower.
UA.V.A.K2	2. The description and use of a Common Traffic Advisory Frequency (CTAF) to monitor manned aircraft communications.
UA.V.A.K3	3. Recommended traffic advisory procedures used by manned aircraft pilots, such as selfannouncing of position and intentions.
UA.V.A.K4	4. Aeronautical advisory communications station (UNICOM) and associated communication procedures used by manned aircraft pilots.
UA.V.A.K5	5. Automatic Terminal Information Service (ATIS).
UA.V.A.K6	6. Aircraft call signs and registration numbers.
UA.V.A.K7	7. The phonetic alphabet.
UA.V.A.K8	8. Phraseology: altitudes, directions, speed, and time.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	Task B. Airport Operations
References	AC 107-2, AC 150/5200-32; FAA-H-8083-25; AIM
Objective	To determine that the applicant is knowledgeable in airport operations.
Knowledge	The applicant demonstrates understanding of:
UA.V.B.K1	1. The types of airports, such as towered, uncontrolled towered, heliport, and seaplane bases.
UA.V.B.K2	2. ATC towers, such as ensuring the remote pilot can monitor and interpret ATC communications to improve situational awareness.
UA.V.B.K3	3. Runway markings and signage.
UA.V.B.K4	4. Traffic patterns used by manned aircraft pilots.
UA.V.B.K5	5. Security Identification Display Areas (SIDA).
UA.V.B.K6	6. Sources for airport data:
UA.V.B.K6a	a. Aeronautical charts
UA.V.B.K6b	b. Chart Supplements
UA.V.B.K7	7. Avoiding bird and wildlife hazards and reporting collisions between aircraft and wildlife.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	Task C. Emergency Procedures
References	AC 107-2; FAA-H-8083-25; SAFO 15010, SAFO 10017, SAFO 09013
Objective	To determine that the applicant is knowledgeable in sUAS emergency procedures.
Knowledge	The applicant demonstrates understanding of:
UA.V.C.K1	1. Emergency planning and communication.
UA.V.C.K2	2. The characteristics and potential hazards of lithium batteries:
UA.V.C.K2a	a. Safe transportation, such as proper inspection and handling
UA.V.C.K2b	b. Safe charging
UA.V.C.K2c	c. Safe usage
UA.V.C.K2d	d. Risks of fires involving lithium batteries
UA.V.C.K3	3. Loss of aircraft control link and fly-aways.
UA.V.C.K4	4. Loss of Global Positioning System (GPS) signal during flight and potential consequences.
UA.V.C.K5	5. Frequency spectrums and associated limitations.
Risk Management	[Reserved]
Skills	[Not applicable]

V. Operations (continued)

Task	<i>Task D. Aeronautical Decision-Making</i>
References	AC 107-2; FAA-H-8083-2; FAA-H-8083-25
Objective	To determine that the applicant is knowledgeable in aeronautical decision-making.
Knowledge	The applicant demonstrates understanding of:
UA.V.D.K1	1. Aeronautical Decision-Making (ADM):
UA.V.D.K1a	a. Effective team communication
UA.V.D.K1b	b. Task management
UA.V.D.K2	2. Crew Resource Management (CRM).
UA.V.D.K3	3. Situational awareness.
UA.V.D.K4	4. Hazardous attitudes.
UA.V.D.K5	5. Hazard identification and risk assessment.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	<i>Task E. Physiology</i>
References	AC 107-2; FAA-H-8083-2; FAA-H-8083-25
Objective	To determine that the applicant is knowledgeable in the physiological factors affecting remote pilot performance.
Knowledge	The applicant demonstrates understanding of:
UA.V.E.K1	1. Physiological considerations and their effects on safety, such as dehydration and heatstroke.
UA.V.E.K2	2. Drug and alcohol use.
UA.V.E.K3	3. Prescription and over-the-counter medication.
UA.V.E.K4	4. Hyperventilation.
UA.V.E.K5	5. Stress and fatigue.
UA.V.E.K6	6. Factors affecting vision.
UA.V.E.K7	7. Fitness for flight.
Risk Management	[Reserved]
Skills	[Not applicable]

Task	<i>Task F. Maintenance and Inspection Procedures</i>
References	AC 107-2
Objective	To determine that the applicant is knowledgeable in sUAS maintenance and inspection procedures.
Knowledge	The applicant demonstrates understanding of:
UA.V.F.K1	1. Basic maintenance.
UA.V.F.K2	2. Preflight inspection.
UA.V.F.K3	3. Techniques to mitigate mechanical failures of all elements used in sUAS operations, such as the battery and/or any device(s) used to operate the sUAS.
UA.V.F.K4	4. Appropriate record keeping.
UA.V.F.K5	5. Persons that may perform maintenance on an sUAS.
Risk Management	[Reserved]
Skills	[Not applicable]

HAVE QUESTIONS?

There are a variety of ways to get in touch with us:

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