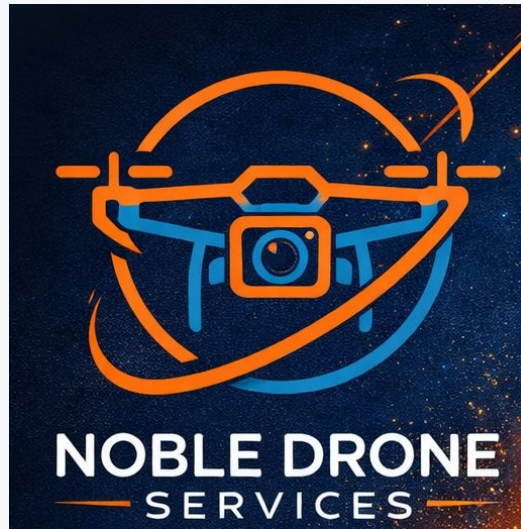




FAA PART 107

REMOTE PILOT STUDY GUIDE

The 100% Free Study Path

Official FAA materials plus vetted free tools — everything a new pilot needs to pass the Aeronautical Knowledge Test, at \$0 cost.

Compiled for new pilots by NOBLE DRONE SERVICES

Diagnose. Repair. Fly.

Edition: July 2026

A NOTE FROM JOE

CEO & Chief Pilot, Noble Drone Services

Hey — I'm Joe, CEO and Chief Pilot here at Noble Drone Services. I'm glad you're thinking about responsible drone operations. Safe, knowledgeable pilots are what keep this industry working — as a business and as a hobby. That's the whole reason this guide exists: to help you get there.

I'll tell you about my own test day. I studied a little bit every day for about three weeks, on top of a two-day course through DartDrones. They gave me all the study material and ran a genuinely great program. Once I was scoring 80% or better on practice tests, consistently, I knew I was ready. I walked in feeling prepared, and I was.

Two things I'd tell any new pilot. First, bring a calculator to the test. Second, yes — you do need to know how to read METARs and NOTAMs cold for the exam. But out in the real world, tools like LAANC and today's flight-planning apps have streamlined a lot of that for you day to day, so don't let it intimidate you now.

At the end of the day, this test isn't there to trip you up. It's there to make sure you know the rules and fly safe — for you, and for everyone else sharing the sky.

Good luck. Fly safe.

— *Joe Noble*

CEO & Chief Pilot, Noble Drone Services

WELCOME, NEW PILOT

This guide exists for one reason: to get you from zero to a passed FAA Part 107 Aeronautical Knowledge Test without spending a dollar. Every resource listed here is free, and every link has been checked and works as of the date on the cover.

Noble Drone Services put this together the way we do everything else — straight answers, no upselling, no paywalled “free” courses that ask for a credit card at step two. If a resource ever asks you to pay before this guide says it's paid, close the tab.

How This Guide Is Organized

Section 1 — Official FAA study documents (the source material the test is written from)

Section 2 — Free structured courses, the FAA's own online training, and free full-length YouTube study guides

Section 3 — Free practice tests and daily quizzes

Section 4 — Free airspace, chart, and weather tools

Section 5 — A 14-module study curriculum mapped to the FAA's exam blueprint

Section 6 — How to register, schedule, and take the actual test

Section 7 — Final checklist before test day

The Free Training Path — Start to Finish

- Read the FAA Remote Pilot Study Guide cover to cover (Section 1). This is the single most important document.
- Cross-check the Airman Certification Standards (ACS) so you know exactly what's tested (Section 1).
- Work through the 14-module curriculum in order (Section 5), using the linked resource for each module.
- Take the FAA's free ALC-451 online course for a second pass on the same material (Section 2).
- Drill weak spots daily with free quizzes and chart/weather decoders (Sections 3 and 4).
- Score 80%+ on at least three full-length practice tests before you schedule the real exam.
- Register, schedule, and pass the test through PSI (Section 6).

1. OFFICIAL FAA STUDY MATERIALS

These are the FAA's own documents. The knowledge test is written directly from them — nothing else on this list matters more.

RESOURCE	FREE LINK	WHAT IT'S FOR
Remote Pilot Study Guide (FAA-G-8082-22)	https://www.faa.gov/sites/faa.gov/files/regulations_policies/handbooks_manuals/aviation/remote_pilot_study_guide.pdf	The FAA's official 87-page study guide. Start here.
UAS Airman Certification Standards (FAA-S-ACS-10B)	https://www.faa.gov/training_testing/testing/acs/uas_acs.pdf	The exact knowledge areas the test can draw from — your exam blueprint.
Official Sample Test Questions (UAG)	https://www.faa.gov/sites/faa.gov/files/training_testing/testing/test_questions/uag_questions.pdf	Real FAA-style questions with ACS codes, from the FAA itself.
Airman Knowledge Testing Supplement (FAA-CT-8080-2H)	https://www.faa.gov/sites/faa.gov/files/training_testing/testing/supplements/media/sport_rec_private_akts.pdf	The figures, charts, and legends referenced by test questions. You'll be handed this same booklet at the testing center.
Aeronautical Chart User's Guide	https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/aero_guide/	Explains every symbol on a sectional chart. First 30 pages cover what's tested most.
Advisory Circular 107-2	https://www.faa.gov/documentlibrary/media/advisory_circular/ac_107-2.pdf	Plain-language explanation of the Part 107 regulations.
Pilot's Handbook of Aeronautical Knowledge (FAA-H-8083-25C)	https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak	Deeper reference for weather, aerodynamics, and navigation.
Aeronautical Information Manual (AIM)	https://www.faa.gov/air_traffic/publications/atpubs/aim_html/	Definitive reference on airspace and ATC communication procedures.
14 CFR Part 107 (the rule itself)	https://www.ecfr.gov/current/title-14/chapter-I/subchapter-F/part-107	The actual federal regulation you're being tested and certified on.
14 CFR Part 48 (Registration Rule)	https://www.ecfr.gov/current/title-14/chapter-I/subchapter-F/part-48	The registration and marking requirements for small unmanned aircraft.

Test Fact

60 scored questions, 2 hours, 70% (42 correct) to pass. Regulations 15–25%, Airspace 15–25%, Weather 11–16%, Loading & Performance 7–11%, Operations 35–45% — so Section V (Operations) is worth the most and deserves the most study time.

2. FREE STRUCTURED COURSES

You don't have to build a study plan from raw PDFs alone. These are free, complete courses — including one built and run by the FAA itself.

FAA's Own Free Online Course

- **FAA — Become a Certificated Remote Pilot —**
https://www.faa.gov/uas/commercial_operators/become_a_drone_pilot *The FAA's own master walkthrough of the entire certification path, first-time pilots and existing Part 61 holders alike.*
- **ALC-451: Part 107 Small UAS Initial Course —**
<https://www.faasafety.gov/gslac/ALC/CourseLanding.aspx?cID=451> *Free, ~2 hours, built by the FAA. Technically written for existing Part 61 pilots, but open to anyone and a genuinely solid second pass through the material. Requires a free FAASafety.gov account.*
- **ALC-677: Part 107 Recurrent Training —**
<https://www.faasafety.gov/gslac/ALC/CourseLanding.aspx?cID=677> *Free. This is the course you'll return to every 24 months to keep your certificate current once you're licensed.*

Free Video Study Guides (YouTube)

Long-form video walkthroughs are a genuinely good complement to reading — hearing someone talk through why an answer is right sticks better than memorizing it cold. These three are free, current, and cover the full test.

- **Tony & Chelsea Northrup — FREE Drone Certification Study Guide —**
https://www.youtube.com/watch?v=6_ucCKFJUCU *~1 hr 40 min, the best-known free video guide, timestamped by topic. Companion text guide (with a printable cheat-sheet of key numbers) is free at northrup.photo/free-faa-part-107-suas-drone-certification-study-guide/.*
- **Matt Kendall — FREE Part 107 Study Guide —** <https://www.youtube.com/watch?v=u3AwQZTbtfc>
~2 hours, timestamped, with built-in practice quizzes after each section. (Note: this creator's channel is Matt Kendall, not "Matt Bender.")
- **Katia's Buzz Media — Free Part 107 Study Guide Playlist —** https://www.youtube.com/playlist?list=PL9R44JxmGn0C4_9voNZE7hD43g0XkRnck *7-video series breaking the test into airspace, weather, and airport-operations chunks — good if you'd rather study in short sessions than one long sitting.*

Pilot Institute — Free Course Library

Pilot Institute publishes over 20 completely free drone courses. No credit card required — just a free account.

- **Free Drone Resources Hub —** <https://pilotinstitute.com/free-drone-resources/> *The full index of every free course, guide, and tool Pilot Institute offers.*
- **Ultimate Drone Pilot Guide —** <https://pilotinstitute.com/course/ultimate-drone-pilot-guide/> *Best starting point for someone brand new to drones — registration, licensing basics, recreational vs. commercial.*
- **Part 107 Night Training Course —** <https://pilotinstitute.com/course/part-107-night-training/> *Free, ~1 hour. Covers night operations, lighting, and dark adaptation.*
- **Free Drone Courses Catalog —** <https://pilotinstitute.com/courses/drones/> *Full list, including free DJI deep-dive courses by model.*

3. FREE PRACTICE TESTS & DAILY QUIZZES

Reading is step one. Testing yourself under pressure is what actually moves the score. These tools are 100% free, no login required unless noted.

RESOURCE	FREE LINK	WHAT IT'S FOR
Noble Drone Services — Free Practice Test	https://www.nobledroneservices.com/free-107-training-and-test-questions	800 original ACS-aligned practice questions with real chart references, built by our own team. Free, no login.
Fly107Prep — Free Tools Hub	https://fly107prep.com/free-tools	No login. Daily quiz, readiness scorecard, decoders, and checklists, all free.
Fly107Prep — Daily Quiz	https://fly107prep.com/daily-quiz	A fresh set of exam-style questions every day with instant explanations.
Fly107Prep — Readiness Scorecard	https://fly107prep.com/readiness-scorecard	20 questions across all 5 ACS areas; tells you your single weakest area.
Fly107Prep — 14-Day Study Plan	https://fly107prep.com/part-107-study-plan	Printable day-by-day plan that points to the exact FAA reading for each topic.
Fly107Prep — Test Day Checklist	https://fly107prep.com/part-107-test-day-checklist	FTN, IACRA, PSI scheduling, required ID, and the retake rule.
FAA Sample Questions (UAG)	https://www.faa.gov/sites/faa.gov/files/training_testing/testing/test_questions/uag_questions.pdf	Straight from the FAA — the most authentic practice questions available.
PSI Exams — Official Test Registration	https://faa.psiexams.com/faa/login	Not a practice test — this is where you'll register for and take the real exam.

Note: some third-party sites layer a paid “full course” or app on top of their free tools. What’s listed above is specifically the free tier of each — you should never be asked to pay for anything referenced in this section.

4. FREE AIRSPACE, CHART & WEATHER TOOLS

Airspace and weather make up roughly a third of the test, and they're the hardest topics to learn from text alone. Use these live tools to practice reading real data.

RESOURCE	FREE LINK	WHAT IT'S FOR
SkyVector	https://skyvector.com	Free interactive sectional charts. Practice finding airspace classes, frequencies, and obstacles for any real airport.
Aviation Weather Center	https://aviationweather.gov	Official NOAA/NWS source for live METARs, TAFs, and weather charts.
Fly107Prep — METAR Decoder	https://fly107prep.com/metar-decoder	Paste a real METAR, get a plain-English breakdown against Part 107 minimums.
Fly107Prep — TAF Decoder	https://fly107prep.com/taf-decoder	Same idea for forecasts — decodes FM/BECMG/TEMPO/PROB groups.
Fly107Prep — Sectional Chart Decoder	https://fly107prep.com/sectional-chart-decoder	Tap chart symbols (airport colors, Class E rings, tower heights) to learn what each means.
FAA B4UFLY	https://www.faa.gov/uas/getting_started/b4ufly	Official FAA airspace-awareness service. Shows whether it's safe/legal to fly a given location.
FAA DroneZone	https://faadronezone.faa.gov/	Where you'll register your drone (\$5/aircraft) and, once certified, manage waivers and authorizations.

5. THE 14-MODULE STUDY CURRICULUM

This curriculum follows the FAA's own Airman Certification Standards (ACS) areas of operation. Work through it in order — each module links straight back to the free resource that covers it best. Modules 6 and 9 also draw on Noble Drone Services' own flight-safety handouts, included as separate PDFs alongside this guide.

MODULE 1 — INTRODUCTION TO PART 107

ACS Area of Operation: I. Regulations – General

- What Part 107 covers and who it applies to
- Certificate eligibility: age 16+, English proficiency, TSA background check
- Aeronautical knowledge recency — recurrent training required every 24 calendar months

Study with: [Remote Pilot Study Guide \(Ch. 1\)](#)

MODULE 2 — REGULATIONS & OPERATING RULES

ACS Area of Operation: I. Regulations – Operating Rules, Certification, Waivers

- Remote PIC responsibilities and visual observer requirements
- Preflight inspection and operating limitations (altitude, speed, visibility)
- Daylight, civil twilight, and night operations
- Waivers and how to request one

Study with: [14 CFR Part 107 \(eCFR\)](#) | [AC 107-2](#)

MODULE 3 — AIRSPACE CLASSIFICATION

ACS Area of Operation: II. Airspace Classification & Operating Requirements

- Classes A, B, C, D, E, and G — what separates each one
- Special-use airspace: restricted, prohibited, MOAs, warning areas
- When you need prior ATC authorization to fly

Study with: [SkyVector](#) | [Aeronautical Chart User's Guide](#)

MODULE 4 — READING SECTIONAL CHARTS

ACS Area of Operation: II. Airspace – Operational Requirements

- Airport symbols and identifying towered vs. non-towered fields
- Latitude/longitude and measuring distance on a chart
- Reading airspace floor/ceiling numbers and shelf areas

Study with: [Sectional Chart Decoder](#) | [SkyVector](#)

MODULE 5 — AIRSPACE AUTHORIZATION & LAANC

ACS Area of Operation: II. Airspace – Operational Requirements

- What LAANC is and when you need it
- Manual authorization requests for airspace without LAANC coverage

- Using B4UFLY before every flight

Study with: [FAA B4UFLY](#) | [FAA LAANC](#)

MODULE 6 — WEATHER THEORY

ACS Area of Operation: III. Weather – Sources & Effects on Performance

- Atmospheric stability, fronts, and air masses
- Thunderstorms, microbursts, icing, and density altitude
- How weather degrades small-UA performance

Study with: [Remote Pilot Study Guide \(Ch. 4\)](#) | [Aviation Weather Center](#)

MODULE 7 — METAR & TAF DECODING

ACS Area of Operation: III. Weather – Sources of Weather

- Decoding wind, visibility, and ceiling from a raw METAR
- Reading a TAF's FM / BECMG / TEMPO / PROB groups
- Matching current conditions against Part 107 minimums

Study with: [METAR Decoder](#) | [TAF Decoder](#) | [Aviation Weather Center](#)

MODULE 8 — LOADING & PERFORMANCE

ACS Area of Operation: IV. Loading and Performance

- Center of gravity and how battery/payload weight shifts it
- Effects of loading changes on stability
- Using manufacturer performance data before a flight

Study with: [Remote Pilot Study Guide \(Ch. 5\)](#)

MODULE 9 — EMERGENCY PROCEDURES

ACS Area of Operation: V. Operations – Emergency Procedures

- The six-step response: maintain control, maintain awareness, identify, execute procedures, check systems, land if needed
- GPS loss, datalink disruption, compass errors, and flyaways — causes and fixes
- Lithium battery hazards and safe handling
- See the included Noble Drone Services Emergency Procedures and Overcoming Disorientation handouts for hands-on technique, including the push-pull method for reorienting a disoriented aircraft

MODULE 10 — CREW RESOURCE MANAGEMENT & ADM

ACS Area of Operation: V. Operations – Aeronautical Decision-Making

- Aeronautical decision-making (ADM) and situational awareness
- The five hazardous attitudes: anti-authority, impulsivity, invulnerability, macho, resignation
- Task management with a visual observer or crew

Study with: [Remote Pilot Study Guide \(Ch. 7\)](#)

MODULE 11 — RADIO COMMUNICATION PROCEDURES

ACS Area of Operation: V. Operations – Radio Communications

- CTAF and UNICOM basics at non-towered airports
- The phonetic alphabet and standard phraseology
- Monitoring and interpreting ATC communications for situational awareness

Study with: [Aeronautical Information Manual](#)

MODULE 12 — PHYSIOLOGICAL FACTORS

ACS Area of Operation: V. Operations – Physiology

- Fatigue, dehydration, and stress and their effect on decision-making
- Drug and alcohol rules for remote pilots
- Vision and night-adaptation basics

Study with: [Remote Pilot Study Guide \(Ch. 8\)](#)

MODULE 13 — AIRPORT OPERATIONS

ACS Area of Operation: V. Operations – Airport Operations

- Runway markings, signage, and traffic patterns used by manned aircraft
- Towered vs. non-towered airport procedures
- Sources for airport data: charts and Chart Supplements

Study with: [Aeronautical Chart User's Guide](#) | [AIM](#)

MODULE 14 — FINAL EXAM PREP

ACS Area of Operation: All Areas — Comprehensive Review

- Take 3–5 full-length practice tests; target 80%+ before scheduling the real exam
- Use the Readiness Scorecard to isolate your single weakest ACS area and re-study it
- Re-read the Remote Pilot Study Guide sections tied to any missed question
- Schedule your test through PSI once you're consistently passing

Study with: [Readiness Scorecard](#) | [Daily Quiz](#) | [PSI Exams](#)

6. REGISTERING, SCHEDULING & TAKING THE TEST

Step 1 — Get an FAA Tracking Number (FTN)

Create a free account on IACRA to receive your FTN — you'll need this number to register for the knowledge test.

- **IACRA — FAA Tracking Number** — <https://iacra.faa.gov> Free account creation. Required before scheduling your test.

Step 2 — Schedule & Pay for the Knowledge Test

The test itself is not free — PSI charges a fee set by the FAA (verify current pricing on their site before you schedule). Everything you use to prepare for it can be free; the exam fee is the one unavoidable cost in this whole process.

- **PSI Exams — Schedule Your Test** — <https://faa.psiexams.com/faa/login> Official FAA-authorized testing vendor. Choose a testing center and pay here.

Step 3 — Register Your Drone

Once you pass the knowledge test and hold a Remote Pilot Certificate, every aircraft you fly commercially must be registered separately under Part 107.

- **FAA DroneZone** — <https://faadronezone.faa.gov/> \$5 per aircraft, valid 3 years. Also where you apply for waivers and file accident reports.
- **How to Register Your Drone (FAA guide)** — https://www.faa.gov/uas/getting_started/register_drone Step-by-step walkthrough of the registration requirements and process.

Step 4 — Apply for Your Remote Pilot Certificate

After passing the knowledge test, complete FAA Form 8710-13 through IACRA to apply for your temporary, then permanent, Remote Pilot Certificate.

Accident Reporting Reminder

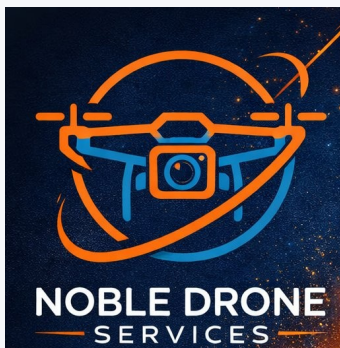
Report to the FAA within 10 days if there is serious injury, loss of consciousness, or property damage (other than the aircraft) exceeding \$500.

7. FINAL CHECKLIST BEFORE TEST DAY

- Read the FAA Remote Pilot Study Guide, start to finish
- Reviewed the UAS Airman Certification Standards (ACS)
- Completed all 14 study modules in Section 5
- Scored 80%+ on at least three full practice tests
- Comfortable decoding a METAR and TAF cold
- Comfortable reading airspace class and floor/ceiling off a sectional chart
- Know the six-step emergency procedure response from memory
- Created an IACRA account and have your FTN
- Scheduled the knowledge test through PSI
- Know what ID to bring on test day

You're Ready When...

You can explain, out loud, why a wrong answer is wrong — not just recognize the right one. That's the difference between recognizing an answer and actually knowing the material.



NOBLE DRONE SERVICES

Fleet Management • Repair • Rental

Diagnose. Repair. Fly.

Every link in this guide was checked against its live source before publishing. Free resources change over time — if a link ever asks you to pay unexpectedly, treat it as out of date and fall back to the official FAA sources in Section 1.