



TRANSPORT CANADA CARS PART IX · ADVANCED OPERATIONS

Pegasus RPAS Advanced Certification

A two-day, instructor-led ground school that prepares Basic-certificate holders — start to finish — to sit and pass the Transport Canada Small RPAS Advanced Operations exam, and to walk into their in-person Flight Review ready.

DURATION

**12 Hours · 2
Days**

FORMAT

Live Virtual

OUTCOME

**Exam &
Review-
Ready**

LEVEL

Intermediate

Who This Course Is For

Basic Certificate Holders

Pilots who already hold a Transport Canada Basic Pilot Certificate and are ready for the next credential — a Basic certificate is a prerequisite for Advanced.

Commercial Operators

Real estate, agriculture, construction, inspection, and public-safety teams that need to fly within 30 m of bystanders, near aerodromes, or in controlled airspace.

School & District Programs

Students 16 or older continuing a Pegasus pathway who are ready to progress beyond Basic operations into professional-track certification.

Growing Drone Businesses

Existing Basic-certified operators expanding service offerings into urban, near-airport, or controlled-airspace jobs that Basic privileges don't cover.

What You'll Learn

DAY 1

1 Advanced Regulatory Framework

CARs Part IX advanced operations, how Advanced privileges differ from Basic, RPAS declarations, and registration/marketing requirements.

2 Controlled Airspace & Air Law

Airspace classes A–G, aerodrome and heliport standoff distances, the 122 m (400 ft) ceiling, NAV CANADA RPAS Flight Authorizations, and NOTAMs.

3 Radiotelephony & ATC Communications

Standard VFR phraseology, coordinating with control towers and flight service stations, and requesting/using a Flight Authorization.

4 Navigation & Charts for Controlled Operations

VNC/VTA charts, coordinates, controlled-airspace transit planning, and a full advanced site survey.

5 Weather for Advanced Operations

Reading METARs and TAFs in depth, icing, density altitude, stability, and defensible go/no-go decisions near controlled aerodromes.

6 RPAS Systems & Complex Considerations

ROC safety declarations, redundancy, LiPo battery safety, sensors, and firmware for aircraft flown in higher-risk operations.

DAY 2

7 Human Factors — Advanced

Crew resource management, the IMSAFE checklist, decision-making under pressure, and fatigue in professional operating contexts.

8 Site Surveys & Advanced Mission Planning

Formal risk assessment methods, operating near aerodromes, and planning missions appropriate to Advanced privileges.

9 Emergency & Contingency Procedures

Lost-link procedures, fly-away response, in-flight emergencies, and reporting obligations to Transport Canada and the TSB.

10 Flight Review Preparation

What the in-person Flight Review covers — site survey walkthrough, mission planning demonstration, and pre-flight checks — and how to book it.

11 Capstone & Mock Exam

An advanced mission-planning capstone exercise and a full 50-question mock exam mirroring the real Transport Canada format.

What's Included

12 hours of live, instructor-led training Two 6-hour days, small-group format with real-time Q&A — not a pre-recorded course.	50-question mock exam An integrated final review spanning every module, mirroring the real Transport Canada Advanced format (60 min, 80% pass mark).
Full digital student workbook All 11 modules with CAR references, worked examples, and practice questions.	Flight Review readiness briefing A walkthrough of exactly what a designated Flight Reviewer will ask you to demonstrate, and how to book your review.
Hands-on & interactive exercises Airspace decision flowcharts, real-world case studies, a site-survey activity, and an advanced mission-planning capstone.	Skystone Certificate of Completion Documentation of your ground-school training, separate from your Transport Canada Pilot Certificate.

Prerequisite: Applicants must already hold a Transport Canada Basic Pilot Certificate and be at least 16 years old. The Advanced Pilot Certificate also requires a separate in-person Flight Review with a Transport Canada-designated Flight Reviewer after passing the written exam — this course prepares you for both, but does not include the Flight Review itself.

Course Schedule — Day 1

9:00 - 9:45 AM	● Module 1 — Advanced Regulatory Framework 45 minutes
9:45 - 10:45 AM	● Module 2 — Controlled Airspace & Air Law 60 minutes
10:45 - 11:45 AM	● Module 3 — Radiotelephony & ATC Communications 60 minutes
11:45 - 12:15 PM	● Lunch Break 30 minutes
12:15 - 1:00 PM	● Module 4 — Navigation & Charts for Controlled Operations 45 minutes
1:00 - 2:00 PM	● Module 5 — Weather for Advanced Operations 60 minutes
2:00 - 3:00 PM	● Module 6 — RPAS Systems & Complex Considerations 60 minutes

Schedule shown for a 9:00 AM – 3:00 PM day; exact timing may shift slightly by session. Short breaks are built into each module. (5.5 hours of instruction, Day 1)

📅 Course Schedule — Day 2

9:00 - 10:00 AM	● Module 7 — Human Factors: Advanced 60 minutes
10:00 - 11:15 AM	● Module 8 — Site Surveys & Advanced Mission Planning 75 minutes
11:15 - 12:15 PM	● Module 9 — Emergency & Contingency Procedures 60 minutes
12:15 - 12:45 PM	● Lunch Break 30 minutes
12:45 - 1:45 PM	● Module 10 — Flight Review Preparation 60 minutes
1:45 - 3:00 PM	● Module 11 — Capstone Mission Planning & 50-Question Mock Exam 75 minutes · includes advanced mission-planning capstone

Schedule shown for a 9:00 AM – 3:00 PM day; exact timing may shift slightly by session. Short breaks are built into each module. (5.5 hours of instruction, Day 2 — 11 hours of instruction across both days)

✉️ Post-Course Support

Instructor email support Follow-up questions as you prepare for exam day, answered by your instructor.	Flight Review booking guidance What to bring — your exam pass confirmation, registered aircraft, and review fee — and how to schedule with a designated Flight Reviewer.
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What Advanced Privileges Unlock

An Advanced Pilot Certificate is the credential clients, insurers, and regulators expect from professional operators. It permits flight in controlled airspace (with a NAV CANADA Flight Authorization), within 30 m of bystanders, and near aerodromes and heliports — work a Basic certificate does not cover.

Urban & Near-Airport Work

Inspection, mapping, and media jobs inside controlled airspace or aerodrome standoff zones.

Public Safety & Infrastructure

Utility, municipal, and emergency-response contracts that require operating over or near people.

Professional Services Expansion

Real estate, construction, and agriculture businesses scaling a certified drone offering into higher-value jobs.

Progression to Complex Operations

A foundation for pilots planning to pursue Level 1 Complex or BVLOS-adjacent credentials next.

Frequently Asked Questions

Do I need a Basic Pilot Certificate first?

Yes. Transport Canada requires applicants to hold a valid Basic Pilot Certificate before applying for Advanced — there's no way to skip directly to Advanced.

What's the minimum age?

Transport Canada requires Advanced applicants to be at least 16 years old, older than the 14-year minimum for Basic.

Does this course include the Transport Canada exam or the Flight Review?

No — this is ground-school preparation for both. The written Advanced exam (50 questions, 60 minutes, 80% pass mark) is written separately online through Transport Canada's Drone Management Portal. The in-person Flight Review is booked separately with a Transport Canada-designated Flight Reviewer once you've passed the exam.

Do I need to own a registered drone to take this course?

No drone is required to attend the ground school. You will need a drone registered with Transport Canada when you book your Flight Review.

What if I don't pass the real exam on my first try?

Transport Canada allows the exam to be rewritten after a 24-hour waiting period. Your instructor remains available by email to help you review before a retake.

What to Bring / Come Prepared With

- A copy of your current Transport Canada Basic Pilot Certificate
- A notepad, pencil, and calculator for chart-reading and planning exercises
- A stable internet connection and camera-on video access for both live sessions
- Access to the digital student workbook, provided before Day 1

Ready to Advance Your Certification?

Visit myskystone.com to reserve your seat in the next Advanced session.