

ADVANCED RPAS FLIGHT REVIEW

Candidate Information Guide

Updated April 2026

Based on TP 15395E – Flight Reviewer's Guide for Pilots of Remotely Piloted Aircraft Systems (4th Ed., March 2025)

This guide explains what to expect during your Advanced RPAS Flight Review, what you are required to bring, how you will be assessed, and what happens after the review.

Read it thoroughly before your review day!

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1. What Is the Flight Review?

The Advanced RPAS Flight Review is an evaluation (not a training session) of your knowledge and flying skills. It is conducted by a certified Flight Reviewer acting on behalf of Transport Canada. The purpose is to confirm you can safely plan and execute an RPA flight in the advanced operations environment, as required before you can be issued your Pilot Certificate – Advanced Operations.

The review consists of both ground and flight components and is structured around the exercises defined in TP 15395E, Appendix A.

2. Prerequisites – What You Need Before Booking

Before a Flight Review can be conducted, you must meet ALL of the following:

- Pass the Remotely Piloted Aircraft System – Advanced Operations exam through Transport Canada
<https://tc.canada.ca/en/aviation/drone-safety/drone-management-portal>
- Receive your two unique Drone Management Portal (DMP) reference numbers (issued after passing the exam), commonly referred to as the “PC” number and “TC” number
- Bring a copy of your current Pilot Certificate (Basic or Advanced Operations) if you already hold one
- Bring a valid, non-expired government-issued ID showing your name and date of birth (see accepted list below)

Accepted Government-Issued ID (one of the following)

Passport	Canadian or Foreign - name and date of birth must be visible
Driver's Licence	Issued by a Canadian province/territory or equivalent authority abroad
Permanent Resident Card	Must be current (not expired)
Military ID	Federal military identification
Certificate of Indian Status	Issued by the Government of Canada
Federal / Provincial / Territorial ID Card	Government-issued photo ID
Birth Certificate	Must be certified by the issuing authority, or notarized copy
Aviation Personnel Permit/Licence	Issued by the state of which you are a citizen – must show date of birth

Important: Your Flight Reviewer will view your ID to verify your identity. They are not permitted to copy or retain it.

3. What to Bring on Review Day

Arrive prepared. The review is not a training flight; everything should be ready before you arrive.

- ✓ Your two DMP reference numbers (the “PC” number and “TC” number)
- ✓ Government-issued photo ID (from the list above)
- ✓ Your pilot certificate if you hold one
- ✓ Your RPAS in airworthy condition, with all required documents (Certificate of Registration, operator documentation)
 - *In most cases, Green Aero Tech can provide a Mavic 3M or similar registered drone for usage.*
- ✓ Fully charged batteries and any spare power as needed for a simulated 15+ minute flight
- ✓ Your checklists: pre-flight, departure, and landing (paper or digital)
- ✓ Flight planning materials: current aeronautical charts or digital tools (e.g., Drone Pilot Canada app)
- ✓ Weather and NOTAM data for the assigned location (obtained prior to arrival, or via Drone Pilot)

Recommended App: The Drone Pilot Canada app is strongly recommended. It provides NOTAMs, airspace info, weather, and emergency procedure documents all in one place; have it set up and ready before review day. There is a charge for this app and it must be purchased to be used on your device.



4. The Review Location

Your Flight Reviewer will assign you the GPS location in advance of your review date. You are expected to arrive having already planned your flight for that location.

Assigned Location	Provided by your Flight Reviewer in advance. Plan for it before review day
Example Location	49.533548, -97.714044 (Near R&L Acres, Sperling, MB)
Airspace Class	Class G - Uncontrolled Airspace (confirm with current NOTAMs)
Plan Required	Simulate a flight of at least 15 minutes with 1 take-off and 1 full-stop landing
Note	The full 15-minute flight is not actually conducted - but you must plan it completely

5. Structure of the Review – The Exercises

The review is organized into exercises. You will be assessed on ALL of the following. The exercises must be completed; they cannot be skipped.

Title & Format		What You Will Be Assessed On
A	Pre-Flight Planning Ground / Planning	<ul style="list-style-type: none"> - Conduct a thorough site survey and brief the flight reviewer - Use current charts/digital tools to identify airspace, obstructions, terrain - Select a safe take-off location, flight route, and alternate landing site - Retrieve weather and NOTAMs, determine if conditions are acceptable - Make a GO/NO-GO decision with justification - Confirm weight and centre-of-gravity are within manufacturer limits - Demonstrate equipment is organized and ready
B	Emergency Procedures Verbal	<ul style="list-style-type: none"> - Describe your RPAS emergency procedures (reference to checklist/app is acceptable) - Define what constitutes an incident vs. an accident - Describe how and when to report to Transport Canada or other government agencies
C	Take-off Practical / VLOS	<ul style="list-style-type: none"> - Complete all pre-flight inspection checks - Note take-off time (or have it recorded in drone's controller) - Use an organized, efficient take-off procedure - Complete all departure checklists
D	Manual Flight Practical / VLOS	<ul style="list-style-type: none"> - Maintain stable airspeed, altitude, and heading - Navigate using systematic techniques, no over-reliance on GPS/RTH - Demonstrate orientation of the RPA to direction of flight - Navigate around an obstacle or fixed point (real or simulated) - Determine your RPA's distance and altitude from your position - Verify position, correct for wind, and confirm power/fuel is adequate
E	Lost Link Procedures Verbal	<ul style="list-style-type: none"> - Describe how RTH is programmed (if equipped) - Select appropriate altitude for a lost-link situation - Describe how to recognize and respond to a lost link - Describe what to do if the link reconnects - Describe when and how to contact the appropriate facility
F	Fly-Away Procedures Verbal	<ul style="list-style-type: none"> - Record your present position, the drone's last known direction and altitude - Estimate remaining flight time - Identify any hazards or impacted airspaces - Contact the appropriate facility without undue delay
G	Landing Practical / VLOS	<ul style="list-style-type: none"> - Use an organized, efficient landing procedure - Complete post-flight / arrival checklists - Note landing time (or have it recorded in drone's controller) - Secure the RPAS

6. How You Are Assessed

DMP Checklist

At the end of your review, the Flight Reviewer will enter the following into the Drone Management Portal. Each skill is marked as MET or NOT MET:

- Describe the site survey process
- Describe emergency procedures, including lost-link and fly-away, and who to contact
- Describe what is required if there is an incident or accident
- Successfully perform pre-flight checks of your RPAS
- Perform a take-off
- Demonstrate the ability to navigate around obstacles
- Demonstrate the ability to recognize distances
- Perform a landing

Error Types

Your reviewer is trained to assess your performance using three error categories:

Minor Error	<i>Inconsequential; you recover and complete the task safely. Does not fail the review.</i>
Major Error	Leads to an undesired aircraft state but is recoverable. Accumulation can lead to failure.
Critical Error	Unsafe action or inaction; leads to compromised safety or CARs non-compliance. Immediate failure.

Airmanship

Throughout the entire review, the reviewer assesses your airmanship: scanning for other aircraft, use of checklists, consideration for people and property, site awareness, and your choice of take-off and landing areas. Airmanship cannot be switched on for specific moments; it must be continuous.

7. Failure & Automatic Redo Conditions

Failure of ANY ONE exercise item results in failure of the entire review. A complete redo is required – not just the failed portion.

A complete redo is also required for any of the following, regardless of which exercises are already complete:

- Failure to complete an appropriate site survey
- Demonstrated pattern of failing to use effective visual scanning during the review
- Displaying unsafe flying
- Displaying dangerous behaviour not linked to a specific skill
- Displaying a lack of training or competency

If you fail, you must wait a minimum of 24 hours before re-testing. You may rebook after that period if your reviewer has availability.

8. Emergency Procedures – What the Reviewer Expects

Exercises B, E, and F are all verbal assessments. You do not need to have every procedure memorized. You are expected to know where to find your procedures immediately – for example, in the Drone Pilot Canada app under Documents > Emergency Procedures.

Exercise B – General RPAS Emergencies

- Know and be able to describe your specific RPAS's emergency procedures
- Be able to define what an incident is vs. what an accident is
- Know the process for reporting to Transport Canada (method and timing)

Exercise E – Lost Link

- Describe how your RTH function is programmed (altitude, home point, action on link loss)
- Describe how you would recognize a lost link on your specific GCS
- Explain your course of action during and after link re-establishment
- Identify when you would need to contact ATC or another facility

Exercise F – Fly-Away

- Record your position and the drone's last known heading and altitude immediately
- Estimate remaining flight time from last known battery/fuel state
- Without delay, contact the appropriate authority with this information

9. Pre-Flight Planning: What a Strong Site Survey Looks Like

The site survey is one of the most heavily weighted elements of Exercise A. A missing or inadequate site survey is an automatic redo trigger.

A complete site survey for this review should include all of the following:

- Confirmation of the airspace class at the assigned GPS coordinates
- Review of active NOTAMs for the area (check the morning of the review)
- Weather conditions: wind speed and direction, visibility, ceiling, forecast changes
- Identification of any terrain features, obstructions, or infrastructure (power lines, trees, structures)
- Identification of ground hazards (bystanders, vehicles, livestock, power lines, etc.)
- Selection and justification of take-off point and landing area, Emergency egress routes
- Selection of an alternate landing site genuinely separate from the main pattern
- For an overview of one Site Survey method, view here: https://www.youtube.com/watch?v=X7jpev7_DUA
- More details of Site Surveys: <https://www.youtube.com/watch?v=nohtSMqE0Rg>

Tip: Your site survey does not have to be on paper. A digital tool such as the Drone Pilot Canada app is entirely acceptable and is actually faster. What matters is that you can walk the reviewer through each element clearly and in a logical order.

10. After Your Review – Results and Next Steps

If You Pass

- The Flight Reviewer will verbally confirm you have passed at the end of the review
- Results are entered into the Drone Management Portal within 24 hours
- Once entered, you will be able to apply for your Pilot Certificate – Advanced Operations through your personal DMP account (final Transport Canada registration fee will be due at that time)

If You Do Not Pass

- The Flight Reviewer will verbally inform you of the result
- The result is entered in the DMP immediately, it cannot be changed to a “training event”
- You must wait a minimum of 24 hours before re-testing

Privacy

Your flight review results are protected personal information under the Privacy Act. Your results will not be shared with anyone other than you and Transport Canada.

Disputing a Result

If you believe your review was not conducted properly, you may submit a written request to your regional Transport Canada office to request a re-review. A TC Flight Inspector may conduct the re-review, and all items – including those already assessed as passed – will be re-evaluated.

11. Quick Reference Checklist

Use this checklist to confirm you are ready before your review day:

<input type="checkbox"/>	Advanced Operations Exam	Passed and reference numbers obtained
<input type="checkbox"/>	DMP Reference Numbers	Both numbers on hand (“PC” number and “TC” number)
<input type="checkbox"/>	Government-Issued Photo ID	Valid, not expired, shows name and date of birth
<input type="checkbox"/>	RPAS is Airworthy	Pre-inspected, all required documents current
<input type="checkbox"/>	Checklists Ready	Pre-flight, departure, and landing checklists prepared
<input type="checkbox"/>	Site Survey Completed	For the assigned GPS coordinates; before your arrival
<input type="checkbox"/>	Weather & NOTAMs Checked	Current data retrieved for the review location
<input type="checkbox"/>	W&CG Data Available	Manufacturer's limits on-hand and checked
<input type="checkbox"/>	Alternate Landing Selected	Separate from main pattern, justified
<input type="checkbox"/>	GO/NO-GO Decision	Based on weather, NOTAMs, and conditions
<input type="checkbox"/>	Drone Pilot Canada App	Loaded with documents and current data (OPTIONAL)
<input type="checkbox"/>	Emergency Procedures Accessible	Know where to find them instantly

12. Reference Documents & Resources

<p>TP 15395E</p>	<p>Flight Reviewer's Guide for Pilots of Remotely Piloted Aircraft Systems – 4th Ed., March 2025 https://tc.canada.ca/en/aviation/publications/flight-reviewer-s-guide-pilots-remotely-piloted-aircraft-systems</p>
<p>Canadian Aviation Regulations – Part IX</p>	<p>Regulations governing RPAS operations https://tc.canada.ca/en/corporate-services/acts-regulations/list-regulations/canadian-aviation-regulations-sor-96-433</p>
<p>Drone Pilot Canada App</p>	<p>NOTAMs, airspace, weather, emergency procedures https://dronepilotcanada.com/</p>
<p>TC Drone Management Portal</p>	<p>Your pilot account and certificate applications https://tc.canada.ca/en/aviation/drone-safety/drone-management-portal</p>
<p>Transport Canada Aviation Safety</p>	<p>Incident/accident reporting and contact https://tc.canada.ca/en/aviation/operating-airports-aerodromes/report-incident-affecting-airport-aerodrome-safety</p>
<p>YouTube: Don Joyce – Site Surveys and More</p>	<p>For an excellent overview and links to many other videos explaining the Site Survey process https://www.youtube.com/watch?v=X7jpev7_DUA https://www.youtube.com/watch?v=nohtSMqEORg</p>

Questions before your review? Contact Green Aero Tech.
 We're here to help you succeed – not to catch you off guard.

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