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RPAS - Advanced Operations Flight Review

Objective:

The objective of the flight review is to verify a pilot has the required skills to fly their RPAS in the advanced environment. In order to apply for the Pilot Certificate endorsed for Advanced Operations, the operator must successfully pass the Remotely Piloted Aircraft System – Advanced Operations exam, and then subsequently complete a flight review.

Please refer to Appendix A of [TP-15395](#) (Flight Reviewer's Guide for Pilots of Remotely Piloted Aircraft Systems 250 grams (g) up to and including 25 kilograms (kg), Operating within VLOS) for more information on taking the flight review.

Scope of the flight review:

The flight review consists of the planning, preparation, and completion of a RPAS flight. Although aircraft performances and weight and balance are not tested as separate exercises, it is expected that you will use all the applicable performance data as well as all the approved operating procedures required for a flight. The flight review is not a training flight but an evaluation of the your knowledge and flight skills at the end of your training.

Prerequisite to the flight review:

In order to take the flight review, you need to have successfully completed and passed the Small Remotely Piloted Aircraft (VLOS) – Advanced Operations exam. You will be issued a unique reference number directly linked to your Drone Management Portal account and additionally, a second reference number for successfully passing the Small Remotely Piloted Aircraft (VLOS) – Advanced Operations exam. These two numbers are to be provided to the Flight Reviewer. The Flight Reviewer will then enter these two numbers into the Drone Management Portal and verify your identity based on the credentials provided.

You must provide a valid (not expired) piece of government-issued (federal, provincial/territorial/state government authority or the equivalent body abroad) identification that provides your name and date of birth at the time of the flight review.



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Acceptable forms of identification are: citizenship certificate, birth certificate, passport, aviation personnel permit or license, permanent resident card, military ID, driver's license, etc

AgCon Aerial requires the following information by email before scheduling your flight review:

- Candidate name
- Unique reference number directly linked to your Drone Management Portal account
- Second reference number for successfully passing the Small Remotely Piloted Aircraft (VLOS) – Advanced Operations exam
- RPAS manufacturer and model (approved for advanced operations)
- RPAS registration number
- Coordinates/location of flight review if being chosen by you (will be provided if AgCon is supplying the location)
- Copy of manufacturer supplied operator manual(s) for RPAS
- Copy of your Standard Operating Procedures guide
- Copy of your Emergency Procedures guide
- Copy of your RPAS system pre-flight checklist

Bring the following documents for your flight review:

- valid government issued identification
- RPAS Pilot certificate with “basic operations” endorsement
- RPAS registration certificate
- current copy of Canadian Flight Supplement and VNC (hard copy or digital) (maps, charts or app to indicate knowledge of nearby aerodromes, controlled/restricted airspace, or other hazards)
- manufacturer supplied operator manual(s) for RPAS
- your Standard Operating Procedures guide
- your Emergency Procedures guide
- your pre-planning / flight plan documentation
- your RPAS system pre-flight checklist

Performance Criteria:

Skills checklist

- Describe the site survey process
- Describe emergency procedures that apply to flying a RPAS, including lost-link procedures and procedures to follow in the event of a fly-away, including who to contact
- Describe the method by which to inform Transport Canada of an incident or accident
- Successfully perform pre-flight checks of their RPAS
- Perform a take-off
- Demonstrate the ability to navigate around obstacles
- Demonstrate the ability to recognize distances
- Perform a landing

Note: See Appendix A of TP-15395 for the full list of requirements and procedures we will work through



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During the flight review, we will discuss pre-flight planning, the site survey and emergency procedures, and flight operations.

Pre-flight planning:

- Review your documentation and discuss how you used the available resources to plan the flight operation
- Maps, charts, apps, weather info, etc

Site survey and emergency procedures:

- Survey the site, noting any hazards, obstacles, people, or other potential sources of risk
- Discuss your emergency procedures and what to do in the event of a lost link or loss of control

Flight operations:

- Perform RPAS pre-flight check and calibration
- Select a take-off site
- Take-off, and perform manual flight procedure without the aid of GPS (if RPAS supports it) as directed by reviewer
- Demonstrate verbally the procedure to be used if a lost link occurs
- Demonstrate verbally the procedure to be used if a fly-away occurs
- Land the RPAS

Completion of the Review:

Once the flight review is completed, you will be informed if you passed or failed and briefed on the highlights of the review. If improvements are needed in certain areas, we will discuss those as well. The results of the review will be submitted to Transport Canada within 24 hours. After the results are submitted, you will have the option to apply for the pilot certificate endorsed for advanced operations through your personal drone management portal account.