

# Advanced RPAS Training



LandView specializes in delivering training on the use of drones in agriculture. Our “Ag Drone School” typically delivers a mix of theory and hands-on training that enables farmers, agronomists, and rural municipalities to use remotely piloted aircraft systems (RPAS) effectively, safely and legally. Most of our customers work exclusively in rural regions, so a Basic Pilot’s Certificate from Transport Canada is sufficient for their operations.

However, some rural drone operators may need to work in controlled airspace or closer than 3 nautical miles from a registered airport. This will require an Advanced Pilot’s Certificate. LandView has partnered with Clarion Drone Academy to bring their program to western Canada. While a ground school is no longer a requirement, Clarion has developed a three-step program that gives participants a much higher likelihood of successfully completing those requirements. Participants who feel they already have the necessary knowledge and experience may choose to just complete the Flight Review, but we highly recommend the full Clarion package.

Clarion has over 40 years of experience in the aviation industry. LandView has partnerships with experienced RPAS pilots and instructors in western Canada who will deliver Clarion Drone Academy’s well-established RPAS training curriculum and their new testing protocols in compliance with Transport Canada requirements.

## **Step 1: Advanced Knowledge Requirements**

**20-30 hours, Online**

*(Online detailed RPAS Ground School)*

Clarion's Level 2 Advanced Knowledge Requirements Course is designed to help prepare student pilots with the practical and essential theory needed to write the online Transport Canada RPAS exam for Advanced categories. The Training is in compliance with Transport Canada’s TP 15263E – Knowledge Requirements for Pilots of Remotely Piloted Aircraft Systems, 250 g up to and including 25 kg, Operating within Visual Line-of-Sight.

The course objective is to provide the knowledge required to help RPAS students write the online Advanced Transport Canada exam. Participants will be asked to complete their online Transport Canada exam well in advance of attending the Mission Planning course. The online course will require 20-35 hours of self-paced study.

## **Step 2: Mission Planning in Controlled Airspace**

**1 Day, In-Person**

*(How to pass a Flight Review exam)*

This one day in-person classroom course is directly aimed at Student Pilots wanting to pass a Flight Review for Advanced RPAS operations. Students must have successfully passed their online Transport Canada Small Advanced Exam before arriving in class. In fact, in order to confirm registration we ask that you send us confirmation at least one week before the Mission Planning course to ensure that you are qualified.

The one day class features a morning of instruction on both regulatory aspects of airspace management and best practices for airspace coordination. This will be followed by several case studies to provide practice and guidance on the nuances of planning a successful RPAS mission, from time and budget planning to the details of airspace

coordination. Participants are broken into small teams so that ALL students are involved and practice with the Mission Planning. This course does not include any hands-on RPAS flying, but will also include a dry run of a Flight Review in classroom setting so that participants will know what to expect the following day.

Students will also be given their in-class exam for the Restricted Operator Certificate With Aeronautical Qualification (ROC-A) for use of aviation radio. Once successfully passed, the instructors will send your test results to Industry Canada and they will at their own discretion send the student a radio licence via mail.

The Mission Planning course will consistently be delivered the day before scheduled Flight Review bookings. It lasts for a full day (8:30 a.m. to 5:00 p.m.), with lunch provided.

### Step 3: Flight Review

**2-3 hours, In-Person**

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

In order to be admitted to the flight review, the candidate shall have successfully completed and passed the Small Remotely Piloted Aircraft (VLOS) – Advanced Operations exam (Transport Canada online exam). The candidate must be at least 16 years of age and provide a valid (not expired) piece of government-issued (federal, provincial/territorial/state government authority or the equivalent body abroad) identification that provides name and date of birth, as well as the numbers for their Pilot’s Certificate and their Transport Canada account.

All flight reviews will be conducted when weather conditions do not present a hazard to the operation of the RPAS, the RPAS is airworthy and the candidate has all the RPAS documents required by the Canadian Aviation Regulations and they are valid. It is the sole responsibility of the candidate to make the final decision as to whether or not the Flight Review will be conducted.

## Schedule - Spring 2019

**Learning:** Those enrolling in the training component may start the online course anytime, at their own pace. Simply create an account at the Clarion Drone Academy website at [www.clariondrones.com](http://www.clariondrones.com) to get started. The total cost is \$848, consisting of \$349 for the online materials and \$499 for the Mission Planning course.

**\$848**

**Testing:** Candidates will be scheduled to arrive at the testing site in small groups (either for the morning or afternoon only), but each individual must be tested separately for a maximum of one hour per individual.

~~**\$499**~~

**\$349** if booked as part of full program

Location	Mission Planning	Flight Reviews
Bonnyville	May 1, 2019	May 2, 2019
Calgary	May 15, 2019	May 16, 2019
Edmonton	May 20, 2019	May 21, 2019
Peace River	May 22, 2019	May 23, 2019
Regina	May 28, 2019	May 29, 2019
Medicine Hat	May 30, 2019	May 31, 2019

