

USC-STC

List of UAS Training Service Providers

Summer 2015

The following is the result of a short survey by Unmanned Systems Canada performed over the period of June 8 -19, 2015. The details provided in this document are those provided by each individual company. Unmanned Systems Canada is pleased to provide this list, but does not guarantee the accuracy of the material nor does USC endorse one particular course or training provider over any others.

We hope this report is of value to those seeking training in the operation and maintenance of unmanned aircraft systems.

The next edition of this list will be generated in the early 2016.

Company	Training Type (please refer to page 2-8 for details)						Students trained over the past 12 months
	UAS Pilot Ground School (conforming to TC TP 15263)	UAS Pilot Ground School (other curriculum)	UAS Pilot Flight Training	UAS Operations	UAS Maintenance	Manned Aviation Training - Pilot or Maintenance	
Aerobotika Aerial Intelligence Ltd.	X	X	X	X	X	X	120
AeroPhotos div. TriLink Technologies Group Inc.	X						
Ag Business & Crop Inc.	X		X				60
BJB Drones Inc.	X		X	X	X		0
CQFA	X		X	X		X	n/a
Canadian Unmanned	X	X	X	X			625
Draganfly Innovations Inc.		X	X				85
Exo Drone	X	X	X	X	X		35
Helivideo Pros	X	X	X	X	X		100
Harv's Air	X					X	4200
Humber College & NTFG Aerial	X	X	X	X	X		50
InDro Robotics	X		X	X	X	X	14
ING Robotic Aviation	X		X	X			see Note 1
Locked On Solutions Inc.	X		X	X			100
Skydrone UAV Services Inc.	X	X	X	X	X	X	10 fixed wing
Spectral Aviation	X						60
Spectrum Airways	X						200
UAVtraining.ca	X	X		X			50
Victoria Air Photos and Survey	X	X	X	X	X		50
Waterloo Wellington Flight Centre	X		X	X		X	see Note 2
Yellowhead Unmanned		X	X	X	X		270
Note 1:	New Course as of July 2015. ING Robotic Aviation has trained over 50 students previously on UAS. Ottawa Aviation Services holds a high reputation in teaching manned aviation for over 25 years.						

Note 2: just started.. 5 so far, 20+ registered for upcoming courses

Aerobotika Aerial Intelligence Ltd.

Aerobotika Academy offers a full professional UAS curriculum including ground school, data collection and processing, flight school (fixed wing, single rotor, multi rotor), regulation, design and build, and maintenance. Our ground school can be upgraded to a full PPL ground school. Our full-time faculty include commercial manned aviation pilots and instructors, military UAV instructors, and industry specialists in agriculture and geomatics. Our program has been chosen by some of the largest organizations in Canada and internationally including federal and provincial governments. Our academy places and emphasis on continuing professional development through recurrency training and the regular development of new courses. We continue to engage our students after the course to ensure that they are receiving the support and information that they need in order to operate safely and successfully. The core of Aerobotika's curriculum is available online and in the following Canadian cities and international locations: -Vancouver -Edmonton -Calgary -Regina -Winnipeg -Ottawa -Toronto -Montreal -Halifax -St. John's -Mexico -South Africa -Ecuador Our sub-specialty training currently includes international operation, industrial inspection, survey, agriculture, film and TV, and real estate. New specialties are currently being developed.

<http://www.aerobotika.com/academy>

1-800-579-1UAV

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AeroPhotos div. TriLink Technologies Group Inc.

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Ag Business & Crop Inc.

Ag Business and Crop Inc. has been providing ground school training through the sales of the senseFly product line including the SwingletCam, the eBee and the eXom. Our main objective is to prepare our students for the professional use of senseFly specific UAVs including mission planning, piloting and flight management, and post-processing of data collected. Since 2013 we have trained over 150 students at our training facilities and since have expanded the ground school to cover all aspects of the Transport Canada TP15263 <25kg UAV/UAS Pilot requirements through the instruction of a Certified Flight Instructor. We also provide advanced training in the use of PostFlight Terra 3D (Pix4D) for various applications including precision agriculture, topographic surveys, and GIS/CAD data workflow. Our training will provide you with all the tools, knowledge, and qualifications to correctly manage and operate your UAV business.

www.agbusiness.ca

(519) 343-5454

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BJB Drones Inc.

Silent Falcon UAS DJI Phantom 1,2 & 3 DJI Inspire 1

Www.Bjbdrones.com

613.218.4191

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CQFA

CQFA has been training aviation professionals for 47 years and active in UAS training and R&D since 2007. CQFA's very robust training covers the operations, professional ground school and extensive flight training. All flying is done outside in the elements with active UAV professionals from the industry. Candidates assemble, calibrate, repair and fly UASs. They also try different models. Ground school is done via eLearning and classroom time. Candidates come from North and South Americas.

www.cqfa.ca

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Canadian Unmanned

Canadian Unmanned Inc. (CUI) is the exclusive training provider of the CCUVS and remains "Canada's First Choice" in small UAV ground school training. CUI was the first UAV training school in Canada to offer training nationally. CUI has specialized in working with first responders and has trained over 250 uniformed personnel in this field representing over 20 different departments. Sterling Cripps (Chief Instructor) has successfully trained over 800 UAV students, representing over 300 businesses both large and small.

Sterling has worked closely with Transport Canada and NAV CANADA to ensure all civil and commercial UAV operators are properly trained and fully informed of the responsibilities as legitimate airspace users. He is one of Canada's leading experts in the provision of small UAV ground school training and complex Direct Target Drone operations.

www.canadianunmanned.com

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Sterling Cripps

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Draganfly Innovations Inc.

Ground school training as it applies to Draganfly systems. Draganflyer X4P - Guardian, X4ES Multirotor helicopters

www.draganfly.com

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Exo Drone

Exo Drone was built on aviation's training model. As a new branch of the « alm Par avion » commercial flying school, Exo Drone is able to offer the highest standards in UAS pilot training. Its program includes more than 60 hours of ground school as well as 16 hours of lessons on drone building and maintenance. Most noteworthy, Exo Drone's program logs 45 hours of real in-flight lessons and practice with instructors. The school's high SOP standards were rewarded by aviation insurances, which has agreed to insure Exo Drone's graduates as they come out of the program. Our institution is an official provincial and federal "recognized educational institution" Exo Drone also provides consultation to various industries. By the way, a new Exo Drone's franchise opens this year in Rimouski, QC !

www.exodrone.com

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Helivideo Pros

Heli Video Pros offers a full range of professional training programs for Companies, UAS Pilots, and UAS Operators including ground school, practical flight training, maintenance and industrial and commercial operations . As operators of UAV systems for many years, our staff of instructors possess a tremendous amount of experience in UAS operations and are committed to teaching others to ensure safe UAS operations across Canada.

We offer both online and classroom training covering a broad range of subjects:

UAS PILOT GROUND SCHOOL meeting Transport Canada's curriculum guidelines for SFOC and exemption education requirements and providing a Certificate of Completion. Link: <http://store.helivideopros.com/collections/uav-drone-training-course-and-certification>.

UAS PILOT FLIGHT TRAINING: providing hands-on training for UAS Pilots and operators to gain the flying skills they need.

UAS OPERATIONS TRAINING: teaching UAV operators the appropriate procedures and techniques for conducting safe UAS operations, going beyond just the flying to include planning, coordination and crew responsibilities.

UAS MAINTENANCE TRAINING: covering pre-flight checklists, inspection guidelines, recommended replacement intervals, understanding UAS components.

www.helivideopros.com/

1 888 461 5742

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info@helivideopros.com

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Harv's Air

UAV online courses for operating under a exemption from a SFOC and operating under a SFOC.
<http://pilottraining.ca/about/uav-operation-courses/>

www.pilottraining.ca (204) 326-2434

harvsair@gmail.com

Adam Penner

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Humber College & NTFG Aerial

UAV integrated training services for multi-rotor UAVs between 2kg and 25kg, all-gross-weight. Training programs are designed for UAV operations for image/video capture and processing purpose. i.e., multi-spectral image/video capture for smart agriculture; infrared cameras for public safety sector; aerial photography for motion picture industry; inspection for industrial sector;

www.ntfg.ca 4168379981

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Yifei Zhao

205 Humber College Blvd
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InDro Robotics

Flight training fixed and rotary, less than 25kg. UAS operations and procedures use by/for First Responders, humanitarian aid, commercial operators and train the trainer. SFOC application process and regulations on working internationally. Maintenance on InDro Robotics UAS used or leased by clients. Manned flight training on DHc-2 Beavers.

www.InDroRobotics.com 250-931-3933

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Philip Reece

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ING Robotic Aviation

ING Robotic Aviation and Ottawa Aviation Services have partnered to offer a professional Unmanned Aerial Vehicle Operator's Course. This course combines the rigour of an accomplished flight training school with that of a highly experienced UAV operator. The first seven day course will take place in Ottawa starting July 2015. Successful completion of the course allows the student to: - meet the Transport Canada Knowledge Requirements for UAV operators - be fully familiar with both single and multi-rotor and fixed wing flight operations - be familiarized with mission planning and commercial UAV operations - be eligible for full or part-time employment as an operator with ING Robotic Aviation - meet critical requirements for being able to secure Flight Operation Certificates in the future. The seven day course will provide an opportunity for interested candidates to learn the fundamentals of operating a robotic aircraft, or drone. The program will consist of comprehensive theory of flight as well as provide exposure to real flight operations. Additionally, all course content taught will be based on the current regulatory Transport Canada knowledge requirements, which ING played a key role in creating. Successful completion of this course will qualify candidates for employment as a Operators with ING Robotic Aviation, with the addition of type qualification on the Responder Rotorcraft and an assessment of 'fit' with the ING team.

<http://avtrainassistance.com/about-our-uav-course/> 1 855 464 8287 x4

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Locked On Solutions Inc.

Locked On Solutions Inc. has extensive experience in building Remotely Piloted Aircraft System (RPAS) aviation programs for private, corporate and government clients. Locked On Solutions Inc. owner Mark HOVDESTAD has offered 'turn key' solutions to different RPAS users helping guide them through the complex regulatory and operational environment. This unique experience has been gained while actively engaged in private, corporate and government RPAS program development and management.

Some of the services offered by Locked On Solutions Inc. are aircraft system recommendations, consulting, engaging and informative presentations for corporate decision makers, SFOC application and maintenance, an individually customized RPAS ground school with a strong focus on pre-flight planning (as per your individual SFOC), aircraft type training and more. Mark has taught many ground school courses with very favourable reviews from attendees.

Over the past 20 years Mark has acquired over 8000 pilot-in-command (PIC) hours flying both low level (water bombing, crop dusting, etc.) and high altitude/high performance missions for private and provincial/federal government air support programs. Mark fully understands the importance in flying RPAS safely. He trains all his pilots to a level of professionalism where he is comfortable sharing their airspace.

Locked On Solutions Inc. has extensive experience in getting customers from the 'idea' stage to a profitable, safe and compliant RPAS program. Please visit lockedonsolutions.ca for further information on how we can help get you flying right.

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Skydrone UAV Services Inc.

Skydrone UAVS has been awarded Standing Restricted SFOC for BC as well the Grand Forks BC Airport CZGF for and advanced UAV flight training facility under our SFOC. We combined over 75 years of Aerospace and flight experience as well as a full air maintenance operation and existing flight training facility. We are one of 2 airports in Canada certified to provide UAV flight operations. We offer all levels of training and and specialize in full industrial training to include courses in first aid, construction site familiarization, flying in the wire environment, flying in tower environment, Thermography, Corona, camera technologies, maintenance, compliance and business consulting. Air operations for all industrial facilities, Power Line, Gas and large structures. All pilots and observers are trained to industry standards for construction and engineering. We use proprietary technology which allows us to record multiple cameras and sensors on a single flight and live viewing through our servers. We provide industrial advanced UAV training for the following - Industrial Inspections - Flying in the Wire Environment - Photogrametry: - 3D Mapping - Construction Site Familiarization - Maintenance - Consulting for Flight Operations - Thermography - Corona Camera

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Spectral Aviation

At Spectral Aviation, all our instructors come from the commercial aviation industry which enable us able to deliver a training of an exceptional quality. In our 40 hours intensive course, students will not only learn about the topics in the publication TP15263 but also multiple operational tips.

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Spectrum Airways

We are a TC certified Flight Training school and portions of our ground school curriculum cover the required components for UAV operator certification. Courses usually run tues-thurs 7-10pm and Saturdays 9-12 and can be paid individually for \$25/person per class. See our website or call us for information and schedules.

www.spectrumairways.com 905-336-4010

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Dennis Simo

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UAVtraining.ca

UAVtraining.ca provides in classroom training to clientele not familiar with aviation. We provide the knowledge requirements outlined by Transport Canada needed to become a safe UAV operator. Our certified flight and ground school instructors are airline transport rated pilots with years of experience in the industry. Classes are adjusted to fit the needs of your specific operation and held on your schedule.

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Victoria Air Photos and Survey

Our Objectives: The focus is teaching students the fundamental skills which ensure UAS (Unmanned Air Systems) are operated in a safe manner and to "best practice" of the TC and Canadian Air regulations governing UAS. Strict rules apply to commercial UAS operations in Canada including the need for training. Very serious penalties (fines and jail time) exist for those who operate these aircraft non compliant and/or in a dangerous manner. Our main focus on the course will be basic flight principles and general aviation knowledge for pilots during day 1. Day 2 will focus on the multi-rotor itself, flight mapping, the SFOC application, UAV checklists and so on. We will discuss rotary wing flight principles and limitations of the electric multi-rotor UAV and the GCS (ground Control Station). General aviation studies include ATC (Air Traffic Control) procedures, the Canadian airspace, regulations/laws, as well as other safety rules which continue to be written out by Transport Canada Aviation and the Canadian Air regulations (CARs). Subject matter such as meteorology in UAS, air navigation, human factors, and legality/insurance issues and much more will be discussed. The class covers subjects concerning maintenance and care for the UAS as well as how to prevent common problems, UAV pilot errors, and other bugs which are typical. Case studies are shared based on actual flight missions documented. UAV accidents are also observed on video and discussed as a class. The class also considers issues and ethics of the emerging technology and privacy concerns. We address how to deal with the media and the general public who are often worried about the "drone" and their capabilities and have mixed views of them. Day 3 will be a time for actual flight training and demonstrations on a light weight multi-rotor UAV. Students can demonstrate their ability to fly the aircraft and deal with common problems/emergencies during flight. The instructor can supervise and assist those with little or no experience. The student can bring their own UAV (preferred) or there is a multi-rotor on hand for the student to use. This course is an intense, exiting learning environment, but is fun and interactive. A extensive written exam reviewing the course material is completed at the end of day 2. The UAV instructor has over 250 hours of logged multi-rotor UAV flight time doing actual commercial operations. There is a maximum of only 7 seats per class at this time allowing for a optimized learning environment and maximum interaction.

http://victoriaairphotos.com/training_and_support.html (250) 507-6421

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Waterloo Wellington Flight Centre

Introduction to UAS regulation, exemptions & SFOC operations Introductory operation of small (Phantom) type UAS as part of some courses if required by participants UAS field operations: scenario based practice of typical photo operation under SFOC Basic maintenance is included in the operational content.. (routine inspections, battery care) WWFC also offers a full range of manned flight instruction for recreational and professional pilots Additional UAS courses will be developed as regulation evolves

wwfc.ca

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Yellowhead Unmanned

We offer all levels of UAS ground and flight training from Hobbyist to Professional Commercial to Military. VTOL & Fixed-Wing- SUAS, TacUAS, Micro, MALE UAS. LOS and BLOS capabilities. Commercial, Civil, and Military Applications. Including but not limited to: Geo-Referenced Mapping, Public Safety, ISR, Asset Protection, Security, Border and Perimeter Security, Active Tactical Operations. All Facets of Operator and Crew Chief Level Maintenance.

<http://www.yellowheadunmanned.com>

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