



Odessa Police Department

Hosting:

Unmanned Aerial Public Safety Operations Training and Certification Program for First Responders



The Odessa Police Department is interested in hosting a Public Safety Unmanned Aerial Flight Team Operational Training and Certification Program. The Drone Pilot Inc., *Eyes Overhead* course was designed by UA SAR legend (Firefighter) Gene Robinson and (Texas Peace Officer) John Buell for first responders. Gene Robinson and the DPI team built this program over 13 years of deploying UA's in 30 states, 5 countries, and are directly credited with 15 rescues/recoveries to date. The 100-hour training course and certification is delivered in three phases over three months: Month 1) UA knowledge/basic orientation/piloting skill, Month 2) emergency procedures/proficiency, and Month 3) advanced skills/procedures for public safety operations. The program is designed to create a superior standard for public safety first responders using drones. DPI's training method and course integrates any skill level, discipline, or jurisdiction to form diverse flight teams for the unique missions of first responders. The training team integrates a client's needs and together develops a scalable solution for a successful flight team.

We are sending this information to you to see if your agency is interested in developing a Small Unmanned Aerial Systems regional program. The cost for DPI's PSA UA 100 Hour program is **\$4000 per seat** which includes a DJI Spark training drone for each student along with completed agency branded operations documents, FAA PART 107 PREP Course material, SOP/SOG's and UA operations policy.

The 100-hour course is divided into three (3) phases which have been CONFIRMED and are scheduled below:

PHASE ONE April 15-16, 2019

Day 1 - 10 hrs Classroom

0800-1200 PART 1 - Intro to Public Safety UA, FAA PART 107/Certificate of Authorization (COA) and UAS Ground School

1200-1300 LUNCH

1300-1800 PART 1 CONTINUED

Day 2 - Classroom and HANDS ON FLYING

0800-1200 PART 2 - UA System components, setting up the UA, Command and control, UA Programming, Aircraft Orientation, Parts, and Nomenclature of training and mission identified by client.

1200-1300 LUNCH

1300-1500 PART 3 - UA Basic Pilot Orientation Training (w/Fixed Wing Option) HANDS ON training and proficiency test standards

1500-1800 HANDS ON basic UA operations and orientation skill practice

Self-Practice 20 hours logged orientation skills practice and Drone Logbook entries

PHASE TWO May 16-17, 2019

Day 3 - Intermediate Flight Team Training Course

0800-1200 PART 4 - Intermediate Operations and UA Crew roles and responsibilities Training

1200-1300 LUNCH

1300-1800 PART 5 -- UA First Person View Operations and Emergency Procedures Training

Day 4 - Intermediate Flight Team Training Course Continued

0800-1200 HANDS ON Confined Spaces FPV Practice, Flight Team Communication Exercises

1200-1300 LUNCH

1300-1800 HANDS ON UA Intermediate Emergency Procedures Practice, Flight Team Communication Exercises

Self-Practice 20 hours logged Emergency procedures practice and Drone Logbook entries

PHASE THREE June 17-18, 2019

Day 5 - UA Advanced Flight Team Operations Training Course

0800-1200 PART 6 - UA Advanced Flight Team Operations Training Classroom

1200-1300 LUNCH

1300-1800 PART 7 - UA Advanced Flight Team Operations Training Mission Scenarios Table Top Briefing

Day 6 - UA Advanced Flight Team Mission Scenarios

0800-1800 Field Training Mission Scenarios ALL DAY (**BRING LUNCH, WATER, AND SUN SCREEN!**)

Please send a confirmation email if your agency will be in attendance to Sergeant Carlos Chavez at Cchavez@odessa-tx.gov by **FEB 15, 2019**.

Agencies paying by purchase order must be paid in full by Phase 1 of the training. Invoice Inquiries can be made at Drone Pilot Inc.

john.Buell@dronepilot.io 512-303-3255 EXT 700

Local Hotel:

MCM Elegante Hotel [5200 E. University Blvd. Odessa, Texas 79762](#) Phone: 432-368-5885 Rate: \$109.99



Drone Pilot Inc.
13501 Ranch Road 12, STE 103 Wimberley, TX 78676
T: 512.303.3255 Email: info@dronepilot.io

Drone Pilot Inc, was registered and established in Texas on April 10, 2014 and located in Austin. Drone Pilot is a Disabled Veteran-owned Small business, founded by Austin Texas Peace Officer John Buell, partnered with legendary Firefighter Gene Robinson (THE GRANDFATHER of SUAS SAR) focused primarily as a professional service provider of unmanned air, ground, and maritime robotics. Drone Pilot was awarded one of the first FAA 333 exemption for SUAS training.

Drone Pilots Inc. offers a comprehensive drone pilot training program. This 100-hour training is designed to build a professional flight team and train to a high standard of professional UA operation. This training provides 3 stage flight training customized to meet the needs of the team, general knowledge of drone mechanics and maintenance; FAA required document training, and knowledge required to pass the FAA Part 107 remote pilots test. Participants of Drone Pilots Inc. training program receive documentation to maintain FAA compliance and continuous support that mitigates the liability risks for the agency. Drone Pilot Inc. training provides a solid foundation necessary to build a successful drone flight team.

DPI Unmanned Aerial Operational Training and Certification Program.

DPI has designed a turn key SUAS Flight Team Training Program for professional minded organizations seeking to leverage this technology for insource SUAS operations. The Drone Pilot Flight Team cadre, made up of public safety professionals have completed missions all over the US and overseas for a wide range of clients. DPI has created a copyrighted UA flight team standard operating manual that's currently being deployed by public safety agencies in Texas and across the United States. DPI's program consists of three phases delivered over 3 months in 20 hr blocks totaling 100 hours. The program only moves as fast as the flight teams ability to become proficient. DPI includes training drones for students to complete this program and continue building their remote piloting skills.

PHASE I Student will learn how to legally operate under both FAA PART 107 and/or a Certificate of Authorization (COA) in many environments. Student will learn the UA laws, administrative components, UA hardware/software, supportive components, environmental factors, dispatch protocols, crew management, data collection, and much more! Student will be trained to an established UA operational standard and tested to demonstrate proficiency in safe operational control.

PHASE II Student will learn UA flight team roles and responsibilities, mission pre-planning, site assessments, UA action plans (pre/during/post) flight procedures and protocols, data interpretation, flight team required reporting/documentation, virtual logbook operations, and much more! Student will be trained to an established UA operational standard and tested to demonstrate proficiency in advanced flight procedures, emergency procedures, and flight team communication procedures.

PHASE III Student will learn advanced flight team operations combining all training to complete several custom built scenarios. This advanced training will cover Air Boss operations, autonomous flight software/operations, custom payload operations, UA support equipment/foot print setup, advanced data analysis, and much more! Student will be trained to an established UA operational standard and tested to demonstrate proficiency in safely completing the scenarios data collection objectives. If successful the student will be awarded Drone Pilot Certificate of Completion.



Ph: 309-692-1000 EXT 25142
Policy: RTP0013517



Drone Pilot Inc carries \$1,000,000 in UAS aviation insurance provided by RTI Insurance Services and is insured for flight operations along with training operations.



TEAM DRONE PILOT



Gene Robinson
FAA License: 3980933

Gene Robinson founded RP Flight Systems, Inc. in 2004 and began the design and manufacture of the Spectra flying wing. In February 2015, Gene partnered with Asiatech Drones, to produce and sell the Vigilant fixed wing unmanned system. Gene formed RP Search Services, a non-profit 501 (c)3 in 2007 to bring UAS into the public service roles of search and rescue, fire-fighting and public safety support. He has been Chief UA Pilot for Texas EquuSearch since 2006 and has flown in numerous high-profile searches for missing people. In 2012, Gene authored First to Deploy the first “how-to” book on using UAS during SAR and natural disasters. He authored Obstacles to Using UA in the NAS and co-authored Memorial Day Floods, 2015, Wimberley, Texas, White Papers utilized by Texas Department of Public Safety, the Wimberley and the Austin Fire Departments among other agencies.

Gene served as Chief UA Pilot for the National Institute of Standards and Technology (NIST), Wild land Urban Fire Research Project (WUI) from 2013-2015. He wrote the first successful Certificate of Authorization (COA) granted to a county jurisdiction for Hays County, TX, in 2007. He has worked with higher learning institutions including San Diego State University’s Visualization Lab on drone development, Texas State University’s Forensic Anthropology Program on cadaver detection, and University of Wisconsin, Eau Claire’s campus on UA development, use, and GIS, among others. He is the co-founder of the Remote Control Aerial Photography Association (RCAPA). He has been assigned “Air Boss” during the devastating Memorial Day Floods of 2015 in Wimberley, Texas, and continues to be the Chief UA Pilot for the Wimberley Fire Department. Gene has an active FAA Section 333 Exemption to fly the Spectra in the NAS.



John Buell
FAA License: 3976082

John Buell is regarded as an “Expert Operator and Design Specialist of Small Unmanned Air and Ground Systems. He has over 20 years of experience as a Peace Officer in Austin Texas working in the Bomb Squad as a Chemical/Biological/Radiological Specialist, Organized Crime Division, Clandestine Lab Response Team, Public Safety Recovery DIVE Team, and Specialized Patrol Division/SAR Team. John has served 14 years as a member of our Armed Forces serving the last 6 years with the 6th Weapons of Mass Destruction Civil Support Team Texas Army National Guard Honorably discharged as a disabled veteran from a knee injury. John has been building and flying radio controlled fixed-wing and multi-rotor hover platforms and devotes much of his free time volunteering to promote public safety uses of robotics for life saving.

John Buell and Gene Robinson have designed a turn key SUAS Flight Team Training Program for professional minded organizations and businesses seeking to leverage this technology for insource SUAS operations. The Drone Pilot Flight Team cadre, made up of public safety professionals have completed missions all over the US and overseas for a wide range of clients. John Buell has created a copyrighted UA flight team standard operating manual that’s currently being deployed by public safety agencies in Texas.



Michael Joseph
FAA License: 3977270

Michael Joseph is currently employed in law enforcement as a supervisor and has been serving the public for the last 14 years. Michael is considered a subject matter expert in the field of SUAS laws, regulations, NAS, and SUAS governmental regulations. Michael has been working with John on SAUS systems since 2012 and excels as a systems technician. He is also a photographer and the knowledge gained in this field helps with his FPV and gimbal camera skills.

Michael was the first SUAS pilot to complete the Eyes Overhead program from its inception. Since then he has conducted many complex SUAS missions to include search and rescue, law enforcement, commercial, and other government missions. He also excels in building and repaired unmanned aerial systems and is currently a lead SUAS pilot and director of IT and equipment for Drone Pilot Inc. Michael also trains future SUAS pilots with Gene and John and as the first student of the program understands best how to succeed.