

ALEA EXPO 2015
HOUSTON, TX JULY 13-18



**SMALL UNMANNED
 AIRCRAFT SYSTEMS
 OPERATIONS (sUAS)
 COURSE**

LOCATION:

Houston Convention Center;
 Room 361 B/E

COURSE LENGTH:

Three days, 24 classroom hrs.

DATE / TIME:

Monday, July 13 –
 Wednesday, 15 2015
 0800 – 1700 hours each day

INSTRUCTORS:

CHIEF DON SHINNAMON

Port St. Lucie (FL) Police Department
 (Retired)

Chief Shinnamon currently serves as a public safety aviation consultant. He most recently served as the Chief of Police for the City of Port Saint Lucie, FL, retiring from public service in late 2010. Chief Shinnamon served as the chair of the Aviation Committee of the International Association of Chiefs of Police (IACP) for over 15 years. In 2008, he was selected to serve on the first FAA rule making committee to draft regulatory language to integrate small-unmanned aircraft systems into the national airspace system.

A certified police officer and firefighter, Chief Shinnamon holds a Master's degree from the University of Baltimore and completed a fellowship at Harvard University. He is a commercial pilot, rated in both helicopters and airplanes.

ALAN FRAZIER

Assistant Professor, Aviation
 University of North Dakota

Bringing 34 years of experience in local, state and federal law enforcement agencies, Alan spent the majority of his career with the Glendale (CA) Police Department, where he served in a wide variety of assignments including officer-in-charge of the Air Support Unit.

Alan is currently employed as an assistant professor of aviation at the University of North Dakota, where he teaches helicopter and public safety related courses. He is also employed as a Grand Forks County (ND) Deputy Sheriff, supervising the department's Unmanned Aircraft Systems Unit. Alan possesses an FAA Airline Transport Certificate with airplane, helicopter, glider and flight instructor ratings.

COURSE OBJECTIVES: This course is designed to provide the student with a review off Small Unmanned Aircraft System (sUAS) start-up, missions and applications, FAA regulations, a review off the legal and privacy issues, management issues and all facets of starting and operating a successful program. The course is a must-have for agencies looking to start a sUAS unit. Success completion requires attendance at all 24 hours of classroom courses
Maximum enrollment: 60

INTENDED AUDIENCE: This course is intended for law enforcement personnel, both sworn and non-sworn, researching the feasibility in starting a sUAS unit. In addition, the course is intended for management and supervisory law enforcement personnel who may oversee such a unit.

COURSE OUTLINE

Day One	Class	Instructor
0800 – 0900	Introductions, Orientation and Course Review	Don Shinnamon
0900 – 1000	Introduction to sUAS	Alan Frazier
1000 – 1100	Implications of sUAS	Andrew Shephard
1100 – 1200	sUAS Missions and Applications	Alan Frazier
1200 – 1300	Lunch On Own	
1300 – 1400	Public Acceptance of sUAS	Don Shinnamon
1400 – 1600	Privacy Issues	Douglas Marshall
1600 – 1700	Data Retention Considerations	Ben Miller

Day Two	Class	Instructor
0800 – 1000	Regulatory Issues	Pansky/Stevenson
1000 – 1100	Legislative Issues	Panel (Marshall Facilitate)
1100 – 1200	Marketing Your sUAS Unit	Panel (Miller Facilitate)
1200 – 1300	Lunch On Own	
1300 – 1400	Crash Scene/Crime Scene Photography	Ben Miller
1400 – 1500	Aerial Searching Techniques	Al Frazier
1500 – 1700	Public Safety sUAS Case Studies	Miller/Frazier/Cohen

Day Three	Class	Instructor
0800 – 1000	Managing a sUAS Unit	Don Shinnamon
1000 – 1200	Purchasing Decisions	Ben Miller
1200 – 1300	Lunch On Own	
1300 – 1400	Evolving sUAS Technologies	Kirk Kloepfel
1400 – 1600	sUAS Case Studies	Doug Green (RCMP)
1600 – 1700	Course Review and Critique	Don Shinnamon

AIRBORNE LAW ENFORCEMENT ASSOCIATION / SUAS OPERATIONS COURSE / INSTRUCTOR PROFILES:

BENJAMIN MILLER | Mesa County (CA) Sheriff's Department

Ben is a 14-year veteran of the Mesa County (CO) Sheriff's Office and, among other duties, is the Unmanned Aircraft Program Manager. Six years ago the concept of an unmanned aircraft program began with Ben and in the years since, he has been very involved with the United States Department of Justice and its coordinating effort to assist the Federal Aviation Administration with regulation regarding the use of UAS by public safety organizations, now called the 'common strategy.' Ben has offered guidance to other departments across the country and continues his focus on the integration of UAS. He now manages an operational team and has flown many Public Safety related missions. His team is also broadening its service base, determined to demonstrate UAS as a community resource, in assisting with aerial survey work for his county's Public Works department, the Western Colorado 'Museum of the West' with the survey of a paleontological dig site and is exploring the applications of Agricultural inspection, as well.

Ben is considered a thought leader on the applications of small-unmanned aircraft and his perspective has been sought in presentations at UAS gatherings across the United States and Canada, including testimony to the United States Senate Judiciary Committee and well as other members of Congress at both the State and National levels. His expertise has been sought by prestigious organizations such as NASA, the FAA's NextGen Institute and the United States Department of Defense.

Ben is the recipient of the Mesa County Sheriff's 2011 Excellence Award as well as the 2012 AUVSI Member of the Year award.

STEVEN PANSKY | Federal Aviation Administration (FAA)

Steve Pansky was born and raised in Los Angeles, California and graduated from the University of California, Los Angeles with a bachelor's Degree in Criminal Law. With over 24 years of Service to the Federal Aviation Administration, Mr. Pansky has provided first and second level supervision at four different air traffic control field facilities, as well as, the management of training, quality assurance, airspace design and airspace procedures programs. Steve was a certified Air Traffic Controller at five separate facilities. During his last nine years with the FAA in Washington D.C., Steve was a middle manager in three different organizations supporting the development and deployment of new equipment to the National Airspace System as well as the Program Manager for the Air Traffic Service Research and Strategic Development program.

As a Federal Security Director for the Transportation Security Administration (TSA) for 8 years, Steve developed the organizational structure and management systems for the federalization of TSA operations at several Airports in the Northern and Eastern area of Nevada. As the Federal Security Director Steve provide the regulatory compliance oversight of the airlines and airport operations under prescribed federal regulatory authority as well as the interface with multi-modal transportation entities, Federal, State, County and City Law enforcement agencies within the Northern Nevada area on issues of interest surrounding airline and general aviation, foreign national flight instruction, motor carrier transportation, light and heavy rail, maritime, pipeline and the national power grid. He was responsible for tactical planning, execution and operation management for coordinated security services and other duties as prescribed by the Transportation Security Administration. And if that wasn't enough Steve was the Lead Manager under the Transportation Security Administration's National Disaster Preparedness Plan Program, Transportation Security Advance Team (say that 10 times fast) supporting pre- and post-recovery operations for hurricane's Ike and Gustav.

Steve currently works for Science Applications International Corporation (SAIC) supporting the Federal Aviation Administration's Unmanned Aircraft Systems Tactical Operations Section as a Senior Air Traffic Control Analyst and the subject matter expert on all matters relating to the certificate of approval for unmanned Aircraft Systems by Federal, State, County, and City law enforcement/Fire and First Responder agencies within the United States.

SERGEANT ANDREW COHEN | Miami (FL) Police Department

Andrew Cohen was born and raised in New York City where he began his Law Enforcement Career. He later joined the Miami-Dade Police Department and relocated to South Florida. In his 22 years in law enforcement, he has worked a variety of assignments to include Patrol, General Investigations, Auto Theft Investigations and Sexual Crimes. He served as a Field Training Officer for several years and has instructed extensively for both in-service and academy classes, in various subjects to include; Traffic Crash Investigations and Report Writing, Professional Traffic Stops, Police Traffic Radar and Laser, Standardized Field Sobriety Testing (SFST) and Drinking Lab Workshops, Vehicle Operations and Training the Field Training Officer. Sergeant Cohen has a commercial rotorcraft and fixed-wing license with an instrument rating.

Since November of 2004, he has been assigned to the Aviation Unit. Andrew was instrumental in the development of the MDPD Unmanned Aerial Vehicle (UAV) program, creating policy and procedure for the utilization and deployment of the UAV. He oversaw the initial training of personnel as pilots, and conducts recurrent training. He was responsible for coordinating the FAA's on-site testing for approval, completion of paperwork associated with approval of Certificate of Authorizations for both program testing locations and operational areas. He consults regularly with local and national media affiliates regarding the Miami Dade Police Departments UAV program.

The ALEA Board of Directors, staff and UAS Operations Course Instructors dedicate this course to the memory of Ms. Suzan Cogswell of the Arlington Police Department (Texas), whom passed away earlier this year. Ms. Cogswell was instrumental in the development of this course and a long-time ALEA instructor. Our condolences are offered to her family, friends and co-workers.