

Class Schedule and Description for Main Conference 2010

TUCSON CONVENTION CENTER, TUCSON, AZ

Thursday, July 15, 2010

WATER SURVIVAL / DUNKER TRAINING **Hotel Salon 5 & Pool**

Water Survival / Classroom Instruction	0930 – 1200	Salon 5
Water Survival / Egress Training	1300 – 1600	Hotel Pool

Hugh Teel, Anthony Dickens & Staff, Survival Systems, Inc.

You'll learn from a team of experts how to egress after ditching in water and how to use your emergency air and survival vest. Equipment and techniques will be discussed in ground school followed by practical application in the dunker at the JW Marriott Hotel pool. There is a \$30 fee plus a waiver form to be completed prior to training.

GENERAL SESSION **PANEL DISCUSSION** **Mohave Room**

Tactical Flight Officer Selection and Training	1500 – 1630
Officer Jack Schonely and Panel of TFOs	

Jack will facilitate discussion among panel members from key areas across the country on the selection criteria, training requirements and duties of TFOs from various units. If time permits, other topics such as crew configurations and single pilot operations may also be discussed. This should make for lively discussion and some great insights into how the job is done all over the country.

Friday, July 16, 2010

TRACK ONE **FIXED WING OPERATIONS** **Coconino Rm**

Fixed Wing Operations & Training	0800 – 0930
Sgt. Dan Slauson and Officer Josh Goldschmidt, Portland, (OR) P.D.	

This class is a review of fixed wing operations in support of law enforcement missions and the training requirements associated with pilot and crew qualifications.

Fixed Wing Missions and Equipment	1000 – 1130
Sgt. Dan Slauson and Officer Josh Goldschmidt, Portland, (OR) P.D.	

This class is a review of typical fixed wing missions from surveillance to marijuana eradication and the type of aircraft and equipment most associated with these missions.

Airborne Surveillance Techniques & Information Assessment	1300 – 1430
Steve McShea and Deputy Bryan Smith, Patriot Technologies Group	

Steve and Bryan combine their respective military and law enforcement experience to present a class on sophisticated intelligence gathering and covert surveillance techniques using high tech equipment and aircraft.

Airborne Speed Enforcement & Other Related Missions	1500 – 1630
John Nielsen, California Highway Patrol	

An overview of the tactics and techniques of airborne speed enforcement and related missions using camera sensors from an agency specializing in this type of enforcement.

TRACK TWO **LEGAL & REGULATORY ISSUES** **Gila Room**

Public Aircraft Operations	0830 – 1000
Capt. Don Roby, Baltimore Co. Police Dept.	

Participate in this in-depth discussion designed to inform and share experiences of operating as Public Use. Many changes to the original law make this class mandatory for those agencies operating a military surplus helicopter and for all agencies conducting airborne law enforcement missions.

NVGs - The Rules Have Changed 1030 – 1200**Adam Aldous, Night Flight Concepts**

Adam will walk us through the recent changes to the FARs affecting night vision goggle equipment and lighting requirements as outlined in Part 91.205.

Legal Update 1330 – 1500**Cyndi Means, Deputy DA, San Diego County**

A comprehensive legal update will be provided into all aspects of airborne law enforcement regarding patrol support and surveillance by Deputy District Attorney Cyndi Means who has become an expert in this area.

Acquiring DoD Aircraft Through 1033 Program 1530 – 1700**Kelly Cuel, Defense Logistics Agency**

A full description of government surplus programs. Learn what equipment is available under government surplus properties and how to get the stuff that makes your job more effective. Take a closer look at government properties and programs that get the gear into your hands.

TRACK THREE NIGHT OPERATIONS Maricopa Rm**Aircraft Positioning 0800 – 0930****Officer Kevin Means, San Diego Police Dept.**

Kevin provides an outstanding presentation on the critical positioning of aircraft in an orbit during night operations that will optimize the TFO's viewing angle during visual scans and thermal imagery operations. This class is a must for all law enforcement air crews working in densely populated urban environments and rural areas alike.

Thermal Imagery Patrol Tactics 1000 – 1130**Officer Kevin Means, San Diego Police Dept.**

The class provides an in-depth look at the tactics of aircraft positioning and search techniques used during thermal imagery searches in airborne law enforcement.

NVG Missions & Applications 1300 – 1430**Scott Baxter, Bell Training Academy**

An in-depth presentation on the use of NVG's in law enforcement aviation, including mission use and applications particularly in urban environments and densely populated areas. Taught by an industry expert in NVG use and operation, Scott is the lead instructor at the Bell FAA approved NVG Course.

NVG Training & Goggle Maintenance 1500 – 1630**Adam Aldous, Night Flight Concepts**

Adam provides valuable insight into the training requirements to become NVG qualified and what it takes to remain current and proficient. He also details the maintenance requirements needed to ensure goggle accuracy and calibration.

TRACK FOUR HELICOPTER RESCUE & AERIAL FIREFIGHTING Graham Rm**Hoist Operations and Technical Rescues 0830 – 1000****Terry Ascherin, L.A. Co Sheriff's Dept. (Ret.)**

This is an in-depth look at SAR missions involving hoist operations, techniques, duties and responsibilities of crewmembers, both military and public service.

Air/Sea Search and Rescue 1030 – 1200**Lt. Ken Solosky, Chief Pilot, Newark, NJ PD and NYPD (Ret.)**

In this class, Ken will provide a detailed look into Air/Sea Rescues, techniques, hoist operations, search patterns and common maritime terminology used during air/sea search and rescues. Ken

will draw upon his many years of flying experience with the NYPD in describing the proper techniques and procedures of air/sea rescues. If your mission includes over-water rescues, you won't want to miss this class.

Police – Fire – Rescue: Phoenix PD, a Success Story **1330 – 1500**
Phillip Tilford, Chief Pilot, Phoenix, PD

There are not many agencies in the country that have successfully combined police, fire and rescue aviation operations as the Phoenix Police Department has done. Learn about their operation and how their success story is maintained.

Aerial Fire Fighting – Tactics & Techniques **1530 – 1700**
Lee Benson, Los Angeles County Fire Dept. (Retired)

An expert in aerial firefighting, Lee will discuss the techniques and tactics associated with water drops, wind patterns, fire behavior and containment. If your agency is involved in fire-fighting, this class is a must.

TRACK FIVE ALTERNATIVE AIRCRAFT / LSAs and UAVs **Greenlee Rm**

Introduction to LSAs and UAVs in Law Enforcement **0800 – 0930**
Tim Adelman, Texas State Sheriff's Association

The Alternative aircraft funded by the NIJ, Office of Science and Technology, Aviation Division has been very successful in providing funding to agencies interested in operating alternative aircraft such as light sport airplanes and powered parachutes. Tim has been instrumental in assisting with this program and provides information to all interested agencies.

LSAs in Law Enforcement Applications **1000 – 1130**
Joe Eakins, Palm Bay Beach (FL) PD & Greg Russell, Guilford Co (NC) SO

These two agencies are successfully operating a powered parachute and light sport airplane in support of law enforcement operations. Hear firsthand about their respective operations.

UAVs in Law Enforcement – Missions and Applications **1300 – 1430**
Alan Frazier, Assistant Professor, UND

Alan is a retired sergeant from Glendale, CA PD and former OIC of their air unit. He is now working with the University of North Dakota and has been assigned to study the useful application of UAVs in law enforcement. He not only has valuable insights into the operational effectiveness of UAVs, but can also provide an update on the status of the regulatory process of obtaining a Certificate of Authorization to operate UAVs.

UAVs/UAS – What does the Future Hold? **1500 – 1630**
Kyle Snyder, AUVSI

Mr. Kyle Snyder is the Director of Knowledge Resources for the Association for Unmanned Vehicle Systems International (AUVSI). His organization has taken the lead in working with all parties to explore the feasibility and application of operating UAVs in the National airspace for a variety of Homeland security missions and applications. Kyle will discuss the future uses of UAVs and when we might have access to them on a regular basis.

TRACK SIX AVIATION SAFETY & TRAINING **Arena Rm #1**

ALEA Safety Town Hall Meeting **0830 – 1000**
Keith Johnson, ALEA Safety Manager

Of great interest to unit safety officers, the ALEA Safety Town Hall Meeting will discuss the ALEA Safety First Program, the work of the International Helicopter Safety Team and the new Safety Management System (SMS) Program. Additionally, members will be given an opportunity to share challenges and successes in their own units.

SMS Workshop – Using the SMS Tool Kit 1030 – 1200**Keith Johnson, ALEA Safety Manager**

The ALEA Safety Program Manager will provide a complete explanation and demonstration of the SMS Tool Kit and how it will assist unit managers in monitoring the effectiveness of the unit's safety program.

CFI Workshop – Part 1 – Training to Standards or Proficiency? 1330 – 1500**Randy Rowles, Night Flight Concepts**

We're fortunate to have Randy Rowles as facilitator for this two-part workshop that will focus on areas of pilot training that have oftentimes proved problematic for many units. Part 1 will deal mainly with primary, transition and mission training of new pilots of varying skill levels.

CFI Workshop – Part 2 – Emergency Procedures Training 1530 – 1700**Randy Rowles, Night Flight Concepts**

Part 2 of this Workshop will look into the many issues related to conducting emergency procedures including the need (or not) of touch-down autorotations, factory vs. in-house training and scenario based emergency procedures training.

TRACK SEVEN**PATROL TACTICS****Mohave Rm****Tactical Communications and Navigation****0800 – 0930****Deputy John O'Hara, L.A. Co Sheriff's Dept.**

This class is an excellent review of communication coordination between flight crews and air-to-ground communications with valuable tips on geographical navigation using paper and electronic maps.

Helicopter Patrol Tactics**1000 – 1130****Officer Jack Schonely, LAPD**

Jack Schonely distills several chapters out of his book, "Suspect Tactics and Perimeter Containments" to address advanced patrol tactics. Jack strives to provide the latest, most up-to-date and comprehensive information on airborne law enforcement tactics.

Helicopter Pursuit Tactics**1300 – 1430****Deputy John O'Hara, LA Co Sheriff's Dept.**

This class is a cursory review of how to conduct a pursuit. The topics include: safety, airspeed, altitudes, traffic conflict resolution, and media issues. The class is a perfect follow-on to Patrol Tactics and Tactical Communications.

Patrol Pilot's Roundtable**1500 – 1630****Officer Kevin Means, San Diego PD**

Kevin will facilitate our first patrol Pilot's roundtable conducted exclusively for patrol pilots and facilitated by a patrol pilot. Topics will include discussion on piloting tactics and techniques and issues involving patrol operations that members of the audience would like to discuss. This is intended as a free flowing workshop with topical items brought to the floor by the attendees.

Saturday, July 17, 2010**TRACK SIX****AVIATION SAFETY & TRAINING****Hotel – Salon 2****Flight Data Monitoring (FDM) Workshop****0830 – 1000****Keith Johnson, ALEA SPM & Lindsey Cunningham-Evans, AEC**

Keith and Lindsey discuss the overwhelming benefits of the new Flight Data Monitoring (FDM) systems which are becoming available and may soon be required equipment on all aircraft.

Mother Nature Never Loses – A study in CRM & ADM 1030 – 1200
Sgt. Wade Ford, Texas Department of Public Safety

"Mother Nature Never Loses" is an examination of two aviation accidents, one major and well known, the other a little more obscure, both of which deal with CRM & ADM and what can be done in the future to prevent a reoccurrence. The problem, however, is that there is nothing to stop pilots from making the same mistake again. Education into the causes of these two accidents will minimize the likelihood of another occurrence.

TRACK EIGHT HOMELAND SECURITY & SPECIAL OPERATIONS Hotel Salon 3**High Rise Emergencies 0830 – 1000**
Glenn Daley, Lt. (Ret.) NYPD

Glenn goes into depth on the planning, preparation and training needed to successfully conduct roof top and high rise rescues. His insights and experience gained while working with NYPD's Aviation Division for many years provides an excellent back drop for his many examples of lessons learned.

Special Team Deployments 1030 – 1200
Ken Solosky, Chief Pilot - Newark, NJ PD and NYPD (Ret.)

In this session, Ken will discuss the techniques and tactics associated with the deployment of special teams such as SWAT, divers and medical personnel.

TRACK NINE UNIT MANAGEMENT Hotel Salon 4**Flight Simulators – Scenario Based Training 0830 – 1000**
Terry Palmer, Flight Safety International

Some valuable insights will be shared with unit managers into the benefits of scenario based training using simulators and other flight simulation devices. There is a possibility of a small group tour of the Tucson Flight Safety Simulation Center.

Commander's Forum 1030 – 1200
Martin Jackson, ALEA President

Designed for the unit manager to provide feedback on ideas and issues, this year's focus is on accreditation and how management can positively influence the unit's safety culture. Also, what do you think ALEA should be doing for you and where should we, as an organization, be focusing our efforts in the future? Your input is essential to shape your Association.

TRACK TEN AVIATION PHYSIOLOGY AND SAFETY EQUIPMENT Hotel Salon 5**Staying Healthy Enough to Fly 0830 – 1000**
Dr. Dudley Crosson, Delta P

In this session, Dr. Crosson will be discussing the many ways we can help ourselves to remain healthy enough to keep flying and how to better take care of ourselves as we get older. He will also cover other physiological issues including hearing and eye protection, sleep deprivation and the importance of adequate crew rest.

Operational Considerations for Protective Equipment 1030 – 1200
Dr. Dudley Crosson, Delta P

Dr. Crosson will provide an in-depth study into the best available safety equipment including flight helmets, flight suits, boots and gloves and the importance in wearing them correctly.