



## HOUSTON CONVENTION CENTER & HILTON HOTEL

**Thursday, July 16, 2015**

### **Technical Briefings**

#### **1100 – 1145**

##### **United States Helicopter Safety Team – Update Christopher Young; USHST**

**Exhibit Floor CR #1**

The USHST has partnered with the FAA, NTSB, ALEA, HAI and other industry partners to reduce the number of helicopter crashes and deaths. Chris Young (Argus Prism), whom is a member of the USHST will provide an update on the safety team activities for the past year.

##### **“Reimagine Airborne Law Enforcement”**

##### **David Oglesbee, Night Flight Concepts**

**Exhibit Floor CR #2**

Night Flight Concepts is a leader in providing a variety of aviation services worldwide. This presentation will explore an innovative method of obtaining and continuing airborne law enforcement operations. The focus will be on three different types of operations; those that currently operate certified aircraft, those that operate military excess aircraft and who would like to move into airborne operations but haven't operated an airborne unit or done so in recent years.

#### **1300 – 1345**

##### **The EuroAvionics RN7 and Enhanced Reality System in the Urban Environment**

##### **Mike Scavone; EuroAvionics USA**

**Exhibit Floor CR #1**

The EuroAvionics RN7 is a civil certified, level “C” piece of equipment that was designed from the ground up to be an integral part of any aircraft avionics' suite. It can be integrated with virtually any other piece of avionics in the aircraft to give the operators a complete fusion of data, thus improving safety and mission effectiveness. The brief will focus on the capabilities of the EuroAvionics product line when used in the law enforcement role, and how the systems improve situational awareness without overloading the aircrew.

##### **Protecting Engine Inlets with Advance Filtration**

##### **James Hardy, Pall Aerospace**

**Exhibit Floor CR #2**

This presentation will focus on the importance of engine inlet filtration and why it is needed. Also to be covered is the available products and solutions for engine inlet filtration offered by Pall Aerospace.

#### **1400 – 1445**

##### **New Tactical Radio Introduction**

##### **John Filmonchik, Cobham Aerospace Communications, Inc. Exhibit Floor CR #1**

Cobham Aerospace Communications is launching the RT-7000 Panel-mount Tactical Radio. As a software-defined radio, the RT-7 line is upgradable as requirements develop and change. When modules become obsolete, operators won't need a new radio — they'll remain current with the latest technologies.

## ALEA CONFERENCE CLASSES – 2015

### **SKYOPS – FRAT 2.0**

**Ingmar van Leth, SKYOPS**

**Exhibit Hall CR #2**

SKYOPS introduces a great new way for managing your flight operations and risk assessments. Its solution makes the creation of flight briefings easier, secure, faster, precise and more enjoyable. And while much of the functionality is automated, the way you do things feels perfectly familiar. So from the start you are increasing your flight safety and that of your colleagues.

### 1500 – 1545

#### **Air-to-Ground High-Speed IP Bi-Directional Wireless Data Connectivity**

**Michael C. Payne, Vislink**

**Exhibit Floor CR #1**

There is an increased demand to support IP network centric applications using bi-directional communications between airborne surveillance assets and the ground. VISLINK's next generation airborne solution provides uplink (UL) and downlink (DL) data connectivity to support a wireless tactical network between multiple aircraft and ground based users. This advanced connectivity capability more fully integrates the aircrew into the incident command structure.

#### **Technisonic Technical Updates**

**James Huddock, Technisonic**

**Exhibit Hall CR #2**

This presentation will focus on how to properly update the newly fielded TDFM-9000 series radios. Specifically, main software packages, and new releases, as well as proper equipment needed, and set up of configuration options within the radio.

## TRAINING

### WATER SURVIVAL / EGRESS TRAINING

**Hilton Hotel and Pool**

**Water Survival / Classroom Instruction**

**0800 – 1200**

**Hilton RM 346 A/B**

**Water Survival / Egress Training**

**1300 – 1600**

**Hilton Pool**

**Hugh Teel and Staff, Survival Systems USA, Inc.**

Returning again this year is Survival Systems USA, Inc. to conduct our Water Survival Training. Students will 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 a classroom/ground school setting followed by practical application in the dunker at the Hilton Hotel pool. There is \$150.00 registration fee for members and \$200.00 for nonmembers, plus a waiver form to be completed prior to training.

### GENERAL SESSION

### SPECIAL PRESENTATION

**CC Rm 360 A/D**

**Aviation Safety Officer's Roundtable**

**1300 – 1430**

**Bryan Smith, ALEA Safety Program Manager**

Join members with an interest in safety to discuss the challenges, solutions and concepts of safety management in public safety aviation. Safety minded ALEA members from around the world will come together to discuss and share ideas on how to implement safety management systems and address safety issues. Come to pass on a success story, get a question answered or share materials and resources. Moderated by Bryan Smith, ALEA Safety Program Manager, designed to be an open forum discussion.

## ALEA CONFERENCE CLASSES – 2015

### SPECIAL MEETING

CC Rm 360 B/E

**Safer Installed Searchlights on Rotorcraft through ASTM Standards 1300 – 1430**  
Pete Rice, Wysong Enterprises

### SPECIAL CLASS

CC Rm 350 D/E/F

**NTSB Accident Investigations: “What You Need to Know” 1300 – 1430**  
Leah Yeager, NTSB and Jim Di Giovanna, President, Public Safety Aviation Accreditation Commission

### SPECIAL CLASS

CC Rm 340 A/B

**New Unit Start-Up Panel Discussion\* 1300 – 1430**  
Facilitated by Richard Bray, Alachua County Sheriff’s Office  
Don Roby, ALEA Training Program Manager  
Scott May, Lexington Police Department  
Greg Russell, Guilford County (NC) Sheriff’s Office  
Sean Marston, Harford County (MD) Sheriff’s Office

### GENERAL SESSION

### PANEL DISCUSSION

CC Rm 350 D/E/F

**Safety Symposium-Reducing Public Aircraft Accidents 1500 – 1700**

Join us for a candid panel discussion concerning public safety aircraft accidents. Facilitated by ALEA Safety Program Manger Bryan Smith the panel will include members from the NTSB, ALEA Board of Directors, Helicopter Association International, Public Safety Aviation Accreditation Commission and public safety aviation experts.

### CORPORATE COUNCIL MEETING

Exhibit Floor CR #1

**Coporate Council Meeting 1600 – 1700**  
**Mr. Ed Van Winkle – Airbus Helicopters –**  
**ALEA Corporate Representative**

**Friday, July 17, 2015**

### Technical Briefings

**1100 – 1145**

**Mission Display Technologies for Airborne Law Enforcement**  
**Hugh Tarver; Curtiss-Wright**

**Exhibit Floor CR #1**

Modern surveillance and law enforcement platforms need state of the art video systems to make sure the aircrews have access to all the multi-sensor, moving map, radar and recorded video that they need. Access to single or multiple video streams needs to be rapid, flexible and intuitive. As the main interface to the operators, the mission displays that form an essential part of any on-aircraft video management system must offer reliability and ruggedness with uninterrupted operation in demanding environments, very high adjustable brightness for sunlit conditions, full NVIS compatibility for dual day/night operation, and touchscreen for controlling maps and video

\*New Class

## **ALEA CONFERENCE CLASSES – 2015**

management functions in a customizable way. This presentation describes the technologies, which are incorporated into Curtiss-Wright displays, and describes the range of video products available.

### **Wide Area Motion Imagery in Airborne Law Enforcement**

**Nathan Crawford, Consolidate Resource Imaging**

**Exhibit Floor CR #2**

This presentation will discuss the emergence of Wide Area Motion Imagery (WAMI) for use in public safety. Come hear from the experts in this field and see how this technology can assist your agency in its public safety mission.

### **1300 – 1345**

### **Turbomeca Technical Update on the Arriel and Arrius Engines**

**Staff; Turbomeca, Inc.**

**Exhibit Floor CR #1**

Turbomeca will again be providing its customers with a technical update on the Arriel and Arrius families of aircraft engines.

### **Hawk-i Thermal Vehicle Identification Markers**

**Thomas Boyer, Infrared Tools LLC**

**Exhibit Floor CR #2**

Hawk-i Markers can be seen visibly and thermally and provide an effective means to identify assets on the ground using thermal imaging in the air. This helps the TFO coordinate operations on the ground. Additionally, by marking all vehicles, imposter vehicles could be readily identified in a terrorist situation. We will show how this technology we have supplied to the military for years can help the law enforcement TFO.

### **1400 – 1445**

### **Introduction to Robertson Fuel Systems**

**Chip Lunn, Robertson Fuel Systems, LLC**

**Exhibit Floor CR #1**

For over 39 years Robertson has been the world leader in crashworthy and crash resistant primary and auxiliary fuel systems mainly for helicopter platforms. Robertson has supplied over 6000 auxiliary fuel systems to all Department of Defense Services (Army, Navy, Air Force, Marine Corps, Special Operations), Department of State, CBP, FBI, and Coast Guard, plus over 30 International countries. The briefing would provide a brief overview, history and products offered to the Civil and Law Enforcement Communities.

### **Air Carrier Management and Mobility**

**Wolf Zon, 135 Air Carrier Management, Inc.**

**Exhibit Hall CR #2**

This technical briefing will cover current and evolving state of software and mobile technology; and an introduction to the latest system for Public Use and Air Carrier Operators. The system introduced, 135 Air Carrier Management, provides Organizational Management, Flight Operations [Operational Control, etc.] oversight, Maintenance and Various Engineering, Pilot Tracking and Training, Safety [SMS, QA, TQM, FOQA], Finance, Reporting, as Defined by you, and much more. Built for any size organization by a fellow Air Carrier Operator, 135ACM provides the next generation solutions you require.

### **1500 – 1545**

### **Helisafe Flight Engine and Aircraft Data Monitoring Systems**

**Andy Litteral, Heli Parts Nevada**

**Exhibit Floor CR #1**

This presentation will discuss the Helisafe System. The HeliCom V2+ is a box installed in the helicopter that records real time raw flight and engine performance data. Then, upon landing and aircraft battery shut down, automatically transmits data to the HeliWeb via Cellular or Wi-Fi network. It will also deliver real-time Iridium inflight “pre” and exceedance alerts via text/email. The HeliWeb gives operator/customer access to raw data automatically downloaded from the

## ALEA CONFERENCE CLASSES – 2015

Helicom that it translates into operational monitoring and trending data.

### **Real-Time Tracking in Modern Airborne Law Enforcement Operations**

**Jerry Lee, SpiderTracks, Inc.**

**Exhibit Floor CR #2**

Technology is changing the world around us, from smartphones to avionics; our lives are becoming easier and safer thanks to advances in technology. Real-time tracking has also progressed to allow any credentialed user to have access to where is an aircraft and what they're doing from anywhere, any time. From being able to monitor maintenance hours remotely, to being able to find an aircraft immediately in the event of an emergency, real-time tracking is no longer a luxury for operators, it's a safety standard. SpiderTracks trusted real-time tracking solution is lightweight, portable and in use by 5000 pilots around the world but most of all, it's simple.

### TRAINING

#### TRACK ONE                      FIXED-WING OPERATIONS                      CC Rm 370 B/E

**Fixed-Wing Operations & Training**                      **0800 – 0930**  
**Officer Josh Goldschmidt, Portland (OR) PD**

**Fixed-Wing Technology and Equipment**                      **1000 – 1200**  
**Richard Bookbinder, California Highway Patrol**

**Pro-Active Fixed-Wing Patrol\***                      **1300 – 1430**  
**John Nielsen, California Highway Patrol (Ret)**

**Fixed-Wing Surveillance and Tactics**                      **1500 – 1630**  
**Officer Josh Goldschmidt, Portland (OR) PD**

#### TRACK TWO                      LEGAL & REGULATORY ISSUES                      CC Rm 370 A/D

**Airborne Smuggling Trends and Filtering Law Enforcement Flights**    **0800 – 1000**  
**David Grantham, DHS/CBP and Carol Might, FAA**

**Legal Update**                      **1030 – 1200**  
**Cyndi Jo Means; San Diego District Attorney's Office**

**Public Aircraft Operations**                      **1330 – 1500**  
**Jim Di Giovanna, LA County Sheriff's Department (Ret.) and  
President, Public Safety Aviation Accreditation Commission**

**DLA Update on Military Excess Property (1033/1122 Program)**                      **1530 – 1700**  
**Cassandra Radig-Madden, Defense Logistics Agency**

#### TRACK THREE                      NIGHT OPERATIONS                      CC Rm 360 A/D

**Aircraft Positioning**                      **0800 – 0930**  
**Kevin Means, Tactical Flying, Inc.**

**Aviation Laser Defense Awareness**                      **1000 – 1130**  
**Adam Aldous, NightFlight Concepts**

\*New Class

## ALEA CONFERENCE CLASSES – 2015

<b>Thermal Imagery Patrol Tactics</b> <b>Kevin Means, Tactical Flying, Inc.</b>	<b>1300 – 1430</b>
<b>NVIS Aircraft Conformity Requirements and Procedures</b> <b>Kip McDermott, Aviation Specialties Unlimited, Inc.</b>	<b>1500 – 1630</b>
<b><u>TRACK FOUR HELICOPTER RESCUE TACTICS AND SAR</u></b>	<b><u>CC Rm 360 B/E</u></b>
<b>Risk Assessment in the High Risk Environment</b> <b>Karl Cotton, Night Flight Concepts</b>	<b>0830 – 1000</b>
<b>SAR: Air and Ground Coordination</b> <b>Ken Solosky, NYPD Aviation (Retired)</b>	<b>1030 – 1200</b>
<b>Hoist and Technical Rescues</b> <b>Craig Tavares, Priority 1 Air Rescue, Inc.</b>	<b>1330 – 1500</b>
<b>Mountaing Flying and SAR Missions</b> <b>Lee Benson, LA County Fire Department (Retired)</b>	<b>1530 – 1700</b>
<b><u>TRACK FIVE UNMANNED AIRCRAFT SYSTEMS</u></b>	<b><u>CC Rm 360 C/F</u></b>
<b>Panel Discussion: How to Start a UAS Program</b> <b>Facilitator: Chief Don Shinnamon, Port Saint Lucie, FL (Retired)</b> <b>Panelist: Alan Frazier, Assistant Professor, University of North Dakota; Andy Cohen, Miami (FL) Police Department</b>	<b>0800 – 0930</b>
<b>UAS – Law Enforcement Applications and Missions</b> <b>Alan Frazier, Assistant Professor, University of North Dakota</b>	<b>1000 – 1130</b>
<b>FAA Review of sUAS Regulations and Issues</b> <b>Henry Rigol, John Steventon and Steven Pansky, FAA</b>	<b>1300 – 1430</b>
<b>UAS Legal Issues, Privacy Concerns and Legislative Issues*</b> <b>Douglas Marshall, Attorney-at Law</b>	<b>1500 – 1700</b>
<b><u>TRACK SIX SAFETY and SMS</u></b>	<b><u>CC Rm 361 A/D</u></b>
<b>Aviation Accident Trends</b> <b>Mark Colborn, Dallas PD, Member IHST</b>	<b>0800 – 0930</b>
<b>ALEA Safety Update Through Practical SMS Applications</b> <b>Bryan Smith, ALEA Safety Program Manager</b>	<b>1000 – 1200</b>
<b>Operational Risk Management in SMS</b> <b>Glenn Daley, NYPD Aviation (Retired)</b>	<b>1330 – 1500</b>
<b>Inadvertent IMC Survival*</b> <b>Glenn Daley, NYPD Aviation (Retired)</b>	<b>1530 – 1700</b>

\*New Class

**ALEA CONFERENCE CLASSES – 2015**

<u>TRACK SEVEN</u>	<u>PATROL TACTICS</u>	<u>CC Rm 361 C/F</u>
Air Support to K-9 Operations*		0800 – 0930
Jack Schonely, LAPD		
TFO Roundtable – TFO Qualifications and Training		1000 – 1130
Faciliator: Jack Schonely, LAPD		
Airborne Use of Force for Aircrews*		1300 – 1430
Mike Peck, Paladin Resources Group		
Patrol Pilot’s Roundtable – Patrol Tactics: Aircrew Coordination		1500 – 1630
Kevin Means, Tactical Flying, Inc.		
<u>TRACK EIGHT</u>	<u>MARKETING, GRANTS, BUDGETS AND FINANCE</u>	<u>CC Rm 340 A/B</u>
Grant Availability and Application Process		0830 – 1000
Patrick Linnehan, Grants Manager, Maryland State Police		
Marketing Your Aviation Unit*		1030 – 1200
Eric Weidner, Ontario (CA) Police Department		
Budgeting Workshop		1330 – 1500
Brian Martin, Maryland State Police Aviation Unit		
“Who Says You Can’t Afford it?”*		1530 – 1700
D.C Greer, Government Capital Corporation		
<u>TRACK NINE</u>	<u>HOMELAND SECURITY</u>	<u>CC Rm 370 C/F</u>
Integration of ICS into Law Enforcement Aviation*		0800 – 0930
Kevin Vislocky, Florida Department of Fish and Wildlife (Retired)		
High-Rise Emergencies		1000 – 1130
Glenn Daley, NYPD (Retired)		
Practical Applications of Video Downlinking*		1300 – 1430
Sergeant Eric Weidner, Ontario (CA) Police Department		
Special Team Deployments		1500 – 1630
Ken Solosky, NYPD (Retired)		
<u>TRACK TEN</u>	<u>AVIATION PHYSIOLOGY</u>	<u>CC Rm 361 B/E</u>
Spatial Disorientation *		0830 – 1000
Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison		
Stress and Aeronautical Decision Making*		1030 – 1200
Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison		
CRM for Aircrews		1330 – 1500
Dr. Dudley Crosson (PhD), Delta & ALEA Aeromedical Liaison		

\*New Class

**ALEA CONFERENCE CLASSES – 2015**

Kevin Vislocky, Florida Department of Fish and Wildlife (Ret)

**Aeromedical Update – Staying Fit to Fly\*** 1530 – 1700  
Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison

**TRACK ELEVEN SPECIAL PRESENTATIONS** **CC Rm 350 D/E**

**Brazilian Airborne Law Enforcement Update and Efforts to Organize Nationally\*** 1000 – 1200  
Josilei Albino Goncalves de Freitas  
Director, GRAESP (Air Grouping for Public Safety)

**New Mexico State Police – Surviving the Aftermath of a Tragedy\*** 1300 – 1430  
Tom Long, New Mexico State Police, Aviation Unit

**Airborne Response to Ferguson, MO Incident\*** 1500 – 1700  
Kurt Frisz, ALEA President and Captain Saint Louis County Police Department & Dan Cunningham, ALEA Midwest Region Director and Sergeant Saint Louis County Police Department, Aviation Unit

**Saturday, July 18, 2015**

**Convention Center**

**TRACK TWELVE UNIT MANAGEMENT** **CC Rm 360 A/D**

**Public Safety Aviation Accreditation Commission Standards Review** 0830 – 1000  
Jim Di Giovanna, President, Public Safety Aviation Accreditation Commission

**Aviation Unit Commander’s Roundtable** 1030 – 1200  
Kurt Frisz, President, ALEA

**TRACK THIRTEEN AVIATION TRAINING** **CC Rm 360 B/E**

**CFI Workshop – Part 1 – Teaching Flight Maneuvers** 0830 – 1000  
Karl Cotton, Night Flight Concepts

**CFI Workshop – Part 2 – Instructor Intervention; When and How** 1030 – 1200  
Randy Rowles, President, Helicopter Institute Inc.

**TRACK FOURTEEN AVIATION MAINTENANCE** **CC RM 360 C/F**

**Pilots and Mechanics...BFF? Why Not?\*** 1000 – 1200  
Mike Broderick, TRACE Worldwide, Inc.

**Introduction to Health and Usage Monitors\*** 1000 – 1200  
Ken Speaks, Jeremy Branning & Josiah Thomas, RCMI, Inc.

\*New Class



**ALEA CONFERENCE CLASSES – 2015**

**MEETING**

**CC RM 350 A**

**International Association of Chiefs of Police, Aviation Committee 0830 to 1030**

**MEETING**

**Hilton Boardroom 334**

**Public Safety Aviation Accreditation Commission Annual Meeting 1100 – 1700**