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 upgradeable as requirements develop and change. When modules become obsolete, operators won’t need a new radio — they’ll remain current with the latest technologies.
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.

*New Class
A special meeting titled "Safer Installed Searchlights on Rotorcraft through ASTM Standards" is scheduled for 1300 – 1430.

The NTSB Accident Investigations: "What You Need to Know" class is set for 1300 – 1430. Leah Yeager, NTSB, and Jim Di Giovanna, President, Public Safety Aviation Accreditation Commission, will present.

A special class on "New Unit Start-Up Panel Discussion" is planned for 1300 – 1430. This class is 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, and Sean Marston, Harford County (MD) Sheriff’s Office.

A general panel discussion titled "Safety Symposium-Reducing Public Aircraft Accidents" is set for 1500 – 1700. This discussion will be held in the CC Rm 350 D/E/F.

The Corporate Council Meeting will take place on Friday, July 17, 2015, from 1600 – 1700. Mr. Ed Van Winkle, Airbus Helicopters – ALEA Corporate Representative, will facilitate this meeting.

Friday, July 17, 2015

Technical Briefings

1100 – 1145

Mission Display Technologies for Airborne Law Enforcement

Hugh Tarver; Curtiss-Wright

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.
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
Real-Time Tracking in Modern Airborne Law Enforcement Operations
Jerry Lee, SpiderTracks, Inc.

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
Officer Josh Goldschmidt, Portland (OR) PD  0800 – 0930

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

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

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

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

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

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

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

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

TRACK THREE  NIGHT OPERATIONS  CC Rm 360 A/D

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

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

*New Class

June 16, 2015
### ALEA CONFERENCE CLASSES – 2015

**Thermal Imagery Patrol Tactics**  
Kevin Means, Tactical Flying, Inc.  
1300 – 1430

**NVIS Aircraft Conformity Requirements and Procedures**  
Kip McDermott, Aviation Specialties Unlimited, Inc.  
1500 – 1630

### TRACK FOUR  HELICOPTER RESCUE TACTICS AND SAR  
**CC Rm 360 B/E**

**Risk Assessment in the High Risk Environment**  
Karl Cotton, Night Flight Concepts  
0830 – 1000

**SAR: Air and Ground Coordination**  
Ken Solosky, NYPD Aviation (Retired)  
1030 – 1200

**Hoist and Technical Rescues**  
Craig Tavares, Priority 1 Air Rescue, Inc.  
1330 – 1500

**Mountaing Flying and SAR Missions**  
Lee Benson, LA County Fire Department (Retired)  
1530 – 1700

### TRACK FIVE  UNMANNED AIRCRAFT SYSTEMS  
**CC Rm 360 C/F**

**Panel Discussion: How to Start a UAS Program**  
Facilitator: Chief Don Shinnamon, Port Saint Lucie, FL (Retired)  
Panelist: Alan Frazier, Assistant Professor, University of North Dakota; Andy Cohen, Miami (FL) Police Department  
0800 – 0930

**UAS – Law Enforcement Applications and Missions**  
Alan Frazier, Assistant Professor, University of North Dakota  
1000 – 1130

**FAA Review of sUAS Regulations and Issues**  
Henry Rigol, John Steventon and Steven Pansky, FAA  
1300 – 1430

**UAS Legal Issues, Privacy Concerns and Legislative Issues**  
Douglas Marshall, Attorney-at-Law  
1500 – 1700

### TRACK SIX  SAFETY and SMS  
**CC Rm 361 A/D**

**Aviation Accident Trends**  
Mark Colborn, Dallas PD, Member IHST  
0800 – 0930

**ALEA Safety Update Through Practical SMS Applications**  
Bryan Smith, ALEA Safety Program Manager  
1000 – 1200

**Operational Risk Management in SMS**  
Glenn Daley, NYPD Aviation (Retired)  
1330 – 1500

**Inadvertent IMC Survival**  
Glenn Daley, NYPD Aviation (Retired)  
1530 – 1700

*New Class
## ALEA CONFERENCE CLASSES – 2015

### TRACK SEVEN  PATROL TACTICS  CC Rm 361 C/F

<table>
<thead>
<tr>
<th>Class</th>
<th>Time</th>
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<tbody>
<tr>
<td>Air Support to K-9 Operations*</td>
<td>0800 – 0930</td>
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<tr>
<td>Jack Schonely, LAPD</td>
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<tr>
<td>TFO Roundtable – TFO Qualifications and Training</td>
<td>1000 – 1130</td>
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<tr>
<td>Facilitator: Jack Schonely, LAPD</td>
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<tr>
<td>Airborne Use of Force for Aircrews*</td>
<td>1300 – 1430</td>
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<tr>
<td>Mike Peck, Paladin Resources Group</td>
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<tr>
<td>Patrol Pilot’s Roundtable – Patrol Tactics: Aircrew Coordination</td>
<td>1500 – 1630</td>
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<td>Kevin Means, Tactical Flying, Inc.</td>
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### TRACK EIGHT  MARKETING, GRANTS, BUDGETS AND FINANCE  CC Rm 340 A/B

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<tr>
<th>Class</th>
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<tbody>
<tr>
<td>Grant Availability and Application Process</td>
<td>0830 – 1000</td>
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<tr>
<td>Patrick Linnehan, Grants Manager, Maryland State Police</td>
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<tr>
<td>Marketing Your Aviation Unit*</td>
<td>1030 – 1200</td>
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<tr>
<td>Eric Weidner, Ontario (CA) Police Department</td>
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<tr>
<td>Budgeting Workshop</td>
<td>1330 – 1500</td>
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<tr>
<td>Brian Martin, Maryland State Police Aviation Unit</td>
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<tr>
<td>“Who Says You Can’t Afford it?”*</td>
<td>1530 – 1700</td>
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<tr>
<td>D.C Greer, Government Capital Corporation</td>
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### TRACK NINE  HOMELAND SECURITY  CC Rm 370 C/F

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<tr>
<th>Class</th>
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<tbody>
<tr>
<td>Integration of ICS into Law Enforcement Aviation*</td>
<td>0800 – 0930</td>
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<tr>
<td>Kevin Vislocky, Florida Department of Fish and Wildlife (Retired)</td>
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<tr>
<td>High-Rise Emergencies</td>
<td>1000 – 1130</td>
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<tr>
<td>Glenn Daley, NYPD (Retired)</td>
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<tr>
<td>Practical Applications of Video Downlinking*</td>
<td>1300 – 1430</td>
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<tr>
<td>Sergeant Eric Weidner, Ontario (CA) Police Department</td>
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<tr>
<td>Special Team Deployments</td>
<td>1500 – 1630</td>
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<tr>
<td>Ken Solosky, NYPD (Retired)</td>
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### TRACK TEN  AVIATION PHYSIOLOGY  CC Rm 361 B/E

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<th>Class</th>
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<tr>
<td>Spatial Disorientation *</td>
<td>0830 – 1000</td>
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<tr>
<td>Dr. Dudley Crosson (PhD), Delta P &amp; ALEA Aeromedical Liaison</td>
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<tr>
<td>Stress and Aeronautical Decision Making*</td>
<td>1030 – 1200</td>
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<tr>
<td>Dr. Dudley Crosson (PhD), Delta P &amp; ALEA Aeromedical Liaison</td>
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<tr>
<td>CRM for Aircrews</td>
<td>1330 – 1500</td>
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<tr>
<td>Dr. Dudley Crosson (PhD), Delta &amp; ALEA Aeromedical Liaison</td>
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*New Class
**New Class**

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

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

**1530 – 1700**

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

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

**1000 – 1200**

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

**1300 – 1430**

**Airborne Response to Ferguson, MO Incident***
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

**1500 – 1700**

**Saturday, July 18, 2015  Convention Center**

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

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

**0830 – 1000**

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

**1030 – 1200**

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

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

**0830 – 1000**

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

**1030 – 1200**

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

**Pilots and Mechanics...BFF? Why Not?***
Mike Broderick, TRACE Worldwide, Inc.

**1000 – 1200**

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

**1000 – 1200**
AHEAD 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

*New Class