



## CONFERENCE CLASS SCHEDULE

**THURSDAY, JULY 27, 2017**

**CONVENTION CENTER and PEPPERMILL**

**WATER SURVIVAL / EGRESS TRAINING**

**Peppermill Resort: Classroom & Pool**

**Water Survival / Classroom Instruction 0800 – 1200**

**Peppermill Hotel Naples 4**

**Water Survival / Egress Training 1300 – 1600**

**Peppermill Pool**

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

Survival Systems USA, Inc. will conduct Water Survival /Egress 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 Peppermill Resort pool. There is \$175 registration fee for members and \$225 for nonmembers, plus a waiver form to be completed prior to training.

**GENERAL SESSION**

**SPECIAL PRESENTATION**

**CC Room A-7**

**ALEA Small Unmanned Aircraft Systems Working Group Roundtable**

**1300 – 1430**

**Alan Frazier, University of North Dakota and Grand Forks Sheriff's Office**

**(Educational Fellowship to ALEA)**

The ALEA sUAS Working Group will hold a roundtable for ALEA members to discuss topics of interest involving sUAS issues. The roundtable is open to all attendees.

**Meet the Regulators**

**1500 – 1630**

**John Meehan and Steven Pansky**

**FAA sUAS Integration Office**

For ALEA members operating sUAS, this is an excellent opportunity to meet the FAA staff members that are responsible for sUAS integration. Mr. Meehan and Mr. Pansky will conduct a presentation to update members on sUAS issues and also provide time for questions and answers. If you need information, don't miss this opportunity!

**GENERAL SESSION**

**SPECIAL PRESENTATION**

**CC Room A-8**

**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 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. Join us to pass on a success story, get a question answered or share materials and resources. Moderated by ALEA Safety Program Manager Bryan Smith, it designed to be an open forum discussion.

\*New Class

Classes are subject to change

June 8, 2017

## ALEA EXPO 2017 : CONFERENCE CLASSES

GENERAL SESSION	SPECIAL CLASS	CC Room A-9
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<b>Airborne Response to the Dallas Active Shooter*</b> <b>Mark Colborn, Dallas (TX) Police Department Helicopter Unit</b>	<b>1300 - 1430</b>
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On July 6, 2016, Dallas (TX) Police Department Chief Brown sadly announced that two snipers shot ten police officers from elevated positions during a rally. This incident shocked the entire law enforcement community in the United States. Dallas Police Dept. Helicopter Unit Senior Corporal Mark Colborn will conduct a critical incident review of the response to this senseless act of violence.

GENERAL SESSION	SPECIAL CLASS	CC Room A-10
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<b>Use of sUAS in a Forensic Capacity*</b> <b>Tom Madigan and Rick Hassna</b> <b>Alameda County (CA) Sheriff's Office</b>	<b>1300 – 1630</b>
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Captain Tom Madigan and Deputy Rick Hassna will discuss the use of their sUAS device in a forensic capacity during several high-profile incidents in Alameda County, CA. This presentation will highlight the use of robotics, scene processing and 3D mapping of a crime scene.

GENERAL SESSION	SPECIAL CLASS	CC Room A-11
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<b>Night Vision Goggle (NVG) Refresher Class*</b> <b>Karl Cotton &amp; Adam Aldous, NightFlight Concepts, Inc.</b>	<b>1300 – 1700</b>
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NightFlight Concepts, Inc. has partnered with ALEA to provide attendees with a NVG refresher course. Instructed by NVG experts, Karl Cotton and Adam Aldous, this class is an excellent opportunity for attendees to receive specialized training in the use of NVGs.

GENERAL SESSION	SPECIAL PRESENTATION	CC Room A-20
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<b>Safety Symposium: Loss of Control*</b>	<b>1500 – 1700</b>
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Join us for a candid panel discussion concerning loss of control and its impact on aviation safety. Facilitated by ALEA Safety Program Manager Bryan Smith, the panel will include members from the National Transportation Safety Board, ALEA Board of Directors, Helicopter Association International, Public Safety Aviation Accreditation Commission and public safety aviation experts.

CORPORATE COUNCIL MEETING	Exhibit Floor Classroom 1
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<b>Coporate Council Meeting</b> <b>Ed Van Winkle – CNC Technologies, Inc. – ALEA Corporate Representative</b>	<b>1600 – 1700</b>
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# ALEA EXPO 2017 : CONFERENCE CLASSES

**Friday, July 28, 2017**

**CONVENTION CENTER**

## **WATER SURVIVAL / EGRESS TRAINING**

**Peppermill Resort: Classroom & Pool**

<b>Water Survival / Classroom Instruction</b>	<b>0800 – 1200</b>	<b>Peppermill Hotel Naples 4</b>
<b>Water Survival / Egress Training</b>	<b>1300 – 1600</b>	<b>Peppermill Pool</b>
<b>Hugh Teel and Staff, Survival Systems USA, Inc.</b>		

Survival Systems USA, Inc. will conduct Water Survival /Egress 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 Peppermill Resort pool. There is \$175 registration fee for members and \$225 for nonmembers, plus a waiver form to be completed prior to training.

## **TRACK ONE**

### **FIXED-WING OPERATIONS**

**CC Room A-7**

<b>Fixed-Wing Operations &amp; Training</b>	<b>0800 – 0930</b>
<b>Josh Goldschmidt, Portland (OR) Police Department Air Support Unit</b>	
 <b>Fixed-Wing Crash Survival Considerations</b>	 <b>1000 – 1200</b>
<b>Brian Sweeney, Portland (OR) Police Department Air Support Unit</b>	
 <b>Fixed-Wing Patrol Tactics*</b>	 <b>1300 – 1430</b>
<b>Wade Bourassa, Saskatoon Police Service (Canada) Air Support Unit</b>	
 <b>A Fresh Look at Inadvertent IMC – Recovery and Survival*</b>	 <b>1500 – 1630</b>
<b>Rich Bookbinder, California Highway Patrol Air Operations</b>	

## **TRACK TWO**

### **LEGAL & REGULATORY ISSUES**

**CC Room A-8**

<b>Liability Considerations of Airborne Use of Force Tactics</b>	<b>0830 – 1000</b>
<b>Paul J. Marino, Esquire, ALEA Legal Counsel</b>	
 <b>Legal Update</b>	 <b>1030 – 1200</b>
<b>Cyndi Jo Means, San Diego (CA) District Attorney's Office</b>	
 <b>Public Aircraft Operations Update</b>	 <b>1330 – 1500</b>
<b>Jim Di Giovanna, Los Angeles (CA) County Sheriff's Department (Ret.) and Executive Director, Public Safety Aviation Accreditation Commission</b>	
 <b>DLA Update on Military Excess Property (1033/1122 Program)</b>	 <b>1530 – 1700</b>
<b>Deborah Smith, Defense Logistics Agency</b>	

## **TRACK THREE**

### **NIGHT OPERATIONS**

**CC Room A-9**

<b>Aircraft Positioning</b>	<b>0800 – 0930</b>
<b>Kevin Means, Tactical Flying, Inc.</b>	
 <b>Laser Strike Protection Update*</b>	 <b>1000 – 1130</b>
<b>Adam Aldous, NightFlight Concepts, Inc.</b>	
 <b>Thermal Imagery Patrol Tactics</b>	 <b>1300 - 1430</b>
<b>Kevin Means, Tactical Flying, Inc.</b>	

*\*New Class*

*Classes are subject to change*

*Revised: June 8, 2017*

## **ALEA EXPO 2017 : CONFERENCE CLASSES**

**NVG Mission Update\*** 1500 – 1630  
**Karl Cotton, NightFlight Concepts, Inc.**

### **TRACK FOUR AERIAL SEARCH AND RESCUE/FIREFIGHTING CC Room A-10**

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

**SAR: Mountain Flying Update** 1030 – 1200  
**Vernon Zelent, HNZ Topflight, Inc.**

**Aerial Firefighting Update\*** 1330 – 1500  
**Karl Cotton, Nightflight Concepts, Inc.**

**Cold Weather Survival\*** 1530 – 1700  
**Wade Bourassa, Saskatoon Police Service (Canada) Air Support Unit**

### **TRACK FIVE UNMANNED AIRCRAFT SYSTEMS CC Room A-11**

**UAS Public Safety Applications and Missions\*** 0800 – 0930  
**Alan Frazier, University of North Dakota and Grand Forks Sheriff's Office**  
**(Educational Fellowship to ALEA)**

**Panel Discussion: Issues Involving sUAS in Public Safety\*** 1000 – 1200  
**Facilitator: Chief Don Shinnamon, Port Saint Lucie (FL) Police Dept. (Ret.)**  
**Panelists: Alan Frazier, Grand Forks (ND) Sheriff's Department**  
**Coitt Kessler, Austin (TX) Fire Department**  
**Ben Miller, Mesa County (CO) Sheriff's Department**  
**Justin Robinson, Murfreesboro (TN) Police Department**

**Response to Incidents Involving Drones\*** 1300 – 1430  
**Joshua Brown, Icarus Aerospace**

**UAS Liability Issues and Concerns\*** 1500 – 1630  
**Greg Popp, Hassell Legal P.A., LLC**

### **TRACK SIX SAFETY & SMS CC Room A-12**

**Aviation Accident Trends\*** 0800 – 0930  
**Mark Colborn, Dallas Police Department Helicopter Unit/USHST**

**Safety Metrics\*** 1000 – 1130  
**SSA Troy Smith, Federal Bureau of Investigation Aviation Department**

**Operational Risk Management in Safety Management Systems** 1330 – 1500  
**Glenn Daley, New York Police Dept. Aviation Unit (Ret.)**

**A Safety Culture in Your Unit: How Do You Get There?** 1530 – 1700  
**Michael Sedam, California Highway Patrol Air Operations**

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## ALEA EXPO 2017 : CONFERENCE CLASSES

<b>TRACK SEVEN</b>	<b>PATROL TACTICS</b>	<b>CC Room A-6</b>
<b>Air Support to K-9 Operations</b>		<b>0800 – 0930</b>
Jack Schonely, Los Angeles Police Department Air Support Division (Ret.)		
<b>TFO Roundtable – Building a TFO Training Program*</b>		<b>1000 – 1130</b>
Faciliator: Jack Schonely, Los Angeles Police Department Air Support Division (Ret.)		
<b>Lessons Learned from Airborne Use of Force</b>		<b>1300 – 1430</b>
Mike Peck, Paladin Resources Group		
<b>Patrol Pilot's Roundtable – Patrol Tactics: Aircrew Coordination</b>		<b>1500 – 1630</b>
Kevin Means, Tactical Flying, Inc.		
<b>TRACK EIGHT</b>	<b>MARKETING, GRANTS, BUDGETS AND FINANCE</b>	<b>CC Room A-13</b>
<b>Grant Availability and Application Process</b>		<b>0830 – 1000</b>
Patrick Linnehan, Director of Grants, Maryland State Police		
<b>Marketing Your Aviation Unit for Success</b>		<b>1030 – 1200</b>
Eric Weidner, Ontario (CA) Police Department Air Support (Ret.) CNC Technologies, Inc.		
<b>Budgeting Workshop</b>		<b>1330 – 1500</b>
Brian Martin, Maryland State Police Aviation Unit		
<b>New Unit Start-Up</b>		<b>1530 – 1700</b>
Richard Bray, Alachua County (FL) Sheriff's Office Aviation Unit Donald Shinnamon, Chief of Police, Port Saint Lucie (FL) Police Dept. (Ret.) Greg Russell, Guilford County (NC) Sheriff's Office Aviation Unit Scott May, Lexington (KY) Police Department Air Support Unit		
<b>TRACK NINE</b>	<b>HOMELAND SECURITY</b>	<b>CC Room A-18</b>
<b>Integration of ICS into Law Enforcement Aviation – What's Next?*</b>		<b>0800 – 0930</b>
Michael Sedam, California Highway Patrol Air Operations		
<b>Responding to High-Rise Emergencies</b>		<b>1000 – 1130</b>
Glenn Daley, New York Police Dept. Aviation Unit (Ret.)		
<b>Practical Applications of Video Downlinking</b>		<b>1300 – 1430</b>
Eric Weidner, Ontario (CA) Police Department Air Support (Ret.) CNC Technologies, Inc.		
<b>Special Team Deployments</b>		<b>1500 – 1630</b>
Tim Ochsner, Texas Department of Public Safety		
<b>TRACK TEN</b>	<b>AVIATION PHYSIOLOGY</b>	<b>CC Room A-19</b>
<b>Spatial Disorientation</b>		<b>0830 – 1000</b>
Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison		

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## ALEA EXPO 2017 : CONFERENCE CLASSES

Stress and Aeronautical Decision Making Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison	1030 – 1200
CRM for Aircrews Dr. Dudley Crosson (PhD), Delta & ALEA Aeromedical Liaison Capt. Kevin Vislocky, Florida Fish and Wildlife Conservation Commission (Ret.)	1330 – 1500
Human Factors and Accidents Dr. Dudley Crosson (PhD), Delta P & ALEA Aeromedical Liaison	1530 – 1700

<b>TRACK ELEVEN</b>	<b>AVIATION MAINTENANCE</b>	<b>CC Room A-20</b>
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Avionics Troubleshooting R. Fred Polak, President/CEO International Association of Helicopter Maintenance Professionals	0830 – 1000
NVIS Aircraft Conformity Requirements and Procedures* Staff, Aviation Specialties Unlimited, Inc.	1030 – 1200
Regulatory Aspects of Public Aircraft Maintenance and Operations* Jon Robbins, Cal Fire (Retired)	1330 - 1500
Pilots and Mechanics – BFF? Why Not! Mike Broderick, TRACE, Inc.	1530 – 1700

<b>SATURDAY, JULY 29, 2017</b>	<b>PEPPERMILL HOTEL</b>
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<b>TRACK TWELVE</b>	<b>UNIT MANAGEMENT</b>	<b>Peppermill Naples 1</b>
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Public Safety Aviation Accreditation Commission Update Jim Di Giovanna, CEO/Executive Director, Public Safety Aviation Accreditation Commission	0830 – 1000
Aviation Unit Commander's Roundtable Steven Roussell, President, ALEA	1030 – 1200

<b>TRACK THIRTEEN</b>	<b>AVIATION TRAINING</b>	<b>Peppermill Naples 2</b>
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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

<b>TRACK FOURTEEN</b>	<b>SAFETY WRAP-UP</b>	<b>Peppermill Naples 3</b>
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Human Factors – Real Life Applications to Safety Bryan Smith, ALEA Safety Program Manager	0830 – 1000
Implementing SMS for Law Enforcement Bryan Smith, ALEA Safety Program Manager	1030 - 1200

## ALEA EXPO 2017 : CONFERENCE CLASSES

MEETING	Peppermill Sorrento 1
International Association of Chiefs of Police, Aviation Committee	1400 - 1700