

**ALEA EXPO 2015**  
**HOUSTON, TX | JULY 13-18**



**AVIATION SAFETY  
MANAGEMENT  
SYSTEMS AND HUMAN  
FACTORS COURSE**

**LOCATION:**

Houston Convention Center;  
Room 360 A/D

**COURSE LENGTH:**

Three days, 24 classroom hrs.

**DATE / TIME:**

Monday, July 13 –  
Wednesday, 16, 2015  
0800 – 1700 hours each day

**INSTRUCTOR:**

**CRAIG GEIS** developed this course specifically for presentation at the Airborne Law Enforcement Association’s Annual Conferences. Mr. Geis has been instructing for ALEA for the past 14 years and has taught at the University of Southern California, University of San Francisco, the U.S. Military Academy, Embry-Riddle Aeronautical University, and the University of Maryland. Mr. Geis has developed and delivered safety management systems, human factors and crew resource management training programs to military and civilian organizations around the world. The author of many articles on human factors and safety management, he has also written a textbook on aviation safety management. Mr. Geis has recently conducted training for PSAAC auditors.

**Course Objectives:** The course will combine unit level responsibilities for setting up and maintaining an approved SMS program along with valuable insights into the human factors related to aviation safety. In addition to management responsibilities, this course will provide the “tools” for the unit safety officer’s “tool kit” on safety program oversight, evaluation tools, implementation of policy, regulatory compliance, safety inspections and audits, and establishment of effective safety councils. Although this course is primarily designed for unit safety officers and unit managers/commanders, it also has application for all members of the unit. Successful completion requires attendance at all 24 hours of classroom courses.

**Intended Audience:** This course is intended for law enforcement aviation aircrews, unit managers, supervisors and unit safety officers all of whom have a shared responsibility for the management, supervision and implementation of a law enforcement aviation unit’s safety program. **THIS COURSE MEETS THE SMS TRAINING REQUIREMENTS FOR PUBLIC SERVICE AVIATION ACCREDITATION COMMISSION STANDARDS OF ACCREDITATION.**

**COURSE OUTLINE**

<b>DAY ONE</b>		
0800 – 0830	Welcome & Introductions, Brief History, Workshop Objectives	Craig Geis
0830 – 0915	Definition of SMS	Craig Geis
0930 – 1030	SMS Components	Craig Geis
1030 – 1230	Accident Causation: Examining the Sequence of Accidents and Incidents	Craig Geis
1230 – 1330	Lunch   On Own	
1330 – 1500	Video and Case Study	Craig Geis
1500 – 1630	SMS Implementation Process: Phase 1 Safety and Policy Objectives	Craig Geis
<b>DAY TWO</b>		
0800 – 0930	SMS Implementation Process: Phase 2 Safety and Risk Management	Craig Geis
0930 – 1100	SMS Implementation Process: Phase 3 Safety Assurance	Craig Geis
1100 – 1200	SMS Implementation Process: Phase 4 Safety Promotion	Craig Geis
1200 – 1300	Lunch   On Own	
1300 – 1430	SMS Performance Measurements	Craig Geis
1430 – 1500	SMS Implementation Strategies	Craig Geis
1500 – 1600	Reviewing Sample Safety Management Systems	Craig Geis
<b>DAY THREE</b>		
0800 – 0900	Situational Awareness	Craig Geis
0900 – 1000	Attention and Arousal	Craig Geis
1000 – 1100	Stress and Performance	Craig Geis
1100 – 1200	Perception	Craig Geis
1200 – 1300	Lunch   On Own	
1300 – 1400	Decision Making	Craig Geis
1400 – 1545	Complacency	Craig Geis
1545 – 1600	Wrap-up and Critique	Craig Geis