



FIXED-WING OPERATIONS COURSE

LOCATION:

George R. Brown Convention Center; Room 360 C/F

COURSE LENGTH:

Three days, 24 classroom hrs.

DATE / TIME:

Monday, July 13 –
Wednesday, 15, 2015
0800 – 1700 hours each day

INSTRUCTORS:

Sergeant Josh Goldschmidt

Portland (OR) Police Department
Josh has been a member of the Portland Police Department for the past 20 years. During this time, he has worked a variety of assignments throughout the department. Josh has been assigned to the Air Support Unit for the past 16 years and is currently the Chief Pilot. He holds a Commercial Fixed-Wing rating and is a Certified Flight Instructor (CFI).

Josh currently has over 2,200 flight hours. Josh has been an instructor for ALEA for the past 4 years at the Annual Conference and several Regional Safety Seminars.

John Nielsen

California Highway Patrol (Retired)
John served as an Officer with the California Highway Patrol for 30 years. For more than 24 years, he was assigned as a fixed-wing pilot in the Air Support Unit in Northern California. During that time, John helped pioneer the use of a day/night IR camera on his unit's fixed-wing aircraft. John's unit spent years developing law enforcement tactics for fixed-wing support, and today is one of the most successful air units in the nation. With over 11,000 hours flying law enforcement missions, John is a recognized expert in the field. He is retired from active duty with the CHP, and is working in the private sector as a partner for Clarity Aerial Sensing – a cutting edge Aerial Sensing company that support Law Enforcement, Firefighting, Mapping, Broadcast Entertainment and Maritime Patrol missions.

COURSE OBJECTIVES: This course is designed to provide the student with an extensive education related to the operation of fixed-wing aircraft for law enforcement use. In times of fiscal constraints, fixed-wing aircraft have proven to be an economical solution to providing aviation assets for law enforcement agencies. The curriculum for this course will guide the student through the various missions and applications of fixed-wing aircraft operations. In addition, the course extensively covers the use of these aircraft in all aspects of law enforcement airborne operations. Successful completion requires attendance at all 24 hours of classroom courses

Maximum enrollment: 60

INTENDED AUDIENCE: This course is intended for law enforcement personnel that are considering or are operating fixed-wing aircraft.

COURSE OUTLINE

DAY ONE		
0800 – 0830	Introductions and Course Overview	Josh Goldschmidt
0830 – 1030	Missions and Applications	Josh Goldschmidt
1030 – 1200	Airborne Traffic Enforcement	John Nielsen
1200 – 1300	Lunch On Own	
1300 – 1500	Fixed-Wing Technology and Equipment	Rich Bookbinder
1500 – 1700	Fixed-Wing Patrol Tactics	John Nielsen

DAY TWO		
0800 – 0930	Surveillance, Tactics and Planning	Josh Goldschmidt
0930 – 1100	Training and Planning for Emergency Procedures	Josh Goldschmidt
1100 – 1200	Fixed-Wing Case Study	Rich Bookbinder
1200 – 1300	Lunch On Own	
1300 – 1500	Safety and SMS	Bryan Smith
1500 – 1700	Aviation and Physiology Update	Dr. Dudley Crosson

DAY THREE		
0800 – 0930	Human Factors: IIMC	Rich Bookbinder
0930 – 1100	Crew Resource Management	Dr. Dudley Crosson
1100 – 1200	Mission Risk Analysis	Glenn Daley
1200 – 1300	Lunch On Own	
1300 – 1500	Fixed-Wing SAR Operations	John Nielsen
1500 – 1600	Fixed-Wing Case Study	Josh Goldschmidt
1600 – 1700	Course Review and Critique	John Nielsen

AIRBORNE LAW ENFORCEMENT ASSOCIATION / FIXED-WING OPERATIONS COURSE / INSTRUCTOR PROFILES:

John Nielsen (continued) ...

Clarity is the North American dealer for the Diamond DA-42 MPP, a purpose built and designed sensor platform.

Sergeant Rich Bookbinder

California Highway Patrol

Rich has been a California law enforcement officer for the past 18 years, and has over 25 years as a professional pilot. He has served as the CHP's Unit Safety Officer from 1998 to 2010 and as the CHP's Chief Airplane Pilot since 2012. Rich holds an Airline Transport Pilot rating (MEL), Commercial/Instrument rating for both fixed-wing and helicopter and a Certified Flight Instructor (CFI) rating. He has over 10,000 hours of combined fixed-wing and helicopter flight time.

Rich is a long-time ALEA instructor. He holds a Bachelors Degree in Aeronautical Science from the Embry-Riddle Aeronautical University.

Officer Bryan Smith Chief Pilot

Seminole County (FL) Sheriff's Office // ALEA Safety Program Manager

Bryan Smith is the current Safety Program Manager for ALEA. He currently works for the Seminole County (FL) Sheriff's Office as a pilot in both rotary and fixed wing aircraft and serves as an instructor pilot. Bryan also works on the International Helicopter Safety Team where he has chaired the SMS Committee and worked on the flight training workgroup. He has a B.S. in Criminology & Law from the University of Minnesota and a M.S. in Criminal Justice Administration, with a emphasis in safety management, from Florida Gulf Coast University. Over the last eight years he has had the privilege of being a regular instructor at ALEA events around the country. Bryan is dedicated to finding reasonable and effective safety solutions specifically for the public safety aviation industry, which have real impact on not only safety but industry performance as well.

Dr. Dudley Crosson

Ph. D. Aviation Physiology; Delta P // ALEA Aeromedical Liaison

Dudley Crosson, PhD is the Principal of Delta P, a Aeromedical Safety company in Port St Lucie, FL. An Aeromedical Safety Officer (AmSO) is an aerospace physiologist who is also a qualified aviation safety officer. Dr. Crosson provides aeromedical safety support to various public safety and non-Department of Defense aviation units.

From 1988 to 2002 Dudley Crosson was a consultant in Aerospace Physiology for NASA flight operations. Since 9/11, he has functioned as an AmSO for various public safety aviation and non-DoD aviation units.

Current Collateral Responsibilities:

- Aeromedical Liaison to the medical community for the Airborne Law Enforcement Association (ALEA)*
- Member of the Aerospace Medical Association's (AsMA) Aviation Safety Committee*
- Visiting Professor (Aerospace Physiology) at the U of HI - Hilo*
- Member of the CAMTS Aviation Advisory Committee*

Glenn Daley

Lieutenant, NYPD Aviation Unit (Retired)

Glenn served with the NYPD from 1981 to 2004. During his 23-year career he held numerous enforcement assignments, including assignment to the Emergency Service Unit. His duties there included specialization in high-rise rescue's and tactical operations. In 1993 he was assigned to the Aviation Unit at the rank of Sergeant as a Pilot/Operations Supervisor. In 2000, he was promoted to Lieutenant and continued to serve in the Aviation Unit performing duties of SAR Pilot, Instructor Pilot and Platoon Commander until his retirement in 2004.

Glenn is a graduate of Embry-Riddle Aeronautical University. He holds a Masters of Aeronautical Science degree, with concentrations in Aviation/Aerospace Safety and Aviation/Aerospace Operations.

Glenn currently serves as an SMS consultant/instructor for 'The Squadron' consulting firm. He served as an S-76 Captain and Director of Operations for the Associated Aircraft Group division of Sikorsky Aircraft from 2004 – 2012. He currently serves as a Sikorsky S-76 VIP Captain in the New York Metro area.

Glenn holds the following ratings:

- Airline Transport Pilot – Helicopter*
- Airline Transport Pilot – Multi-Engine Land*
- Certified Flight Instructor (CFI) – Helicopter*
- Certified Flight Instructor (CFI) – Airplane*
- Instrument Flight Instructor – Helicopter*
- Instrument Flight Instructor – Airplane*