

**APSCON 2018**

**LOUISVILLE, KY | JULY 9-14**



**ADVANCING PUBLIC SAFETY AVIATION**

**IA**  
**(FAA INSPECTION**  
**AUTHORIZATION)**  
**RENEWAL**  
**COURSE**

**LOCATION:**

Kentucky EXPO Center  
Room B106

**COURSE LENGTH:**

One day, 8 classroom hrs.

**DATE / TIME:**

Wednesday, 11, 2018  
0800 – 1700 hours

**INSTRUCTORS:**

**MIKE BRODEJRICK**  
TRACE, Inc.

**R. FRED POLAK**  
International Association of Helicopter  
Maintenance Professionals

**BRYAN SMITH**  
APSA Safety Program Manager / Chief  
Pilot, Pinellas County Sheriff's Office

**BECKY SWANSON**  
IAC LTD.

**COURSE OBJECTIVES:** This course provides several classes relevant to aviation maintenance and maintenance management. The course is developed as a 8-hour dedicated maintenance course for members that are maintenance technicians. The classes are instructed by maintenance experts from across the aviation industry and includes a variety of topics. **Maximum enrollment: 35**

**INTENDED AUDIENCE:** This course is intended for all maintenance technicians, as well as aviation maintenance managers and aviation unit supervisors.

**FAAIA Renewal Course Approval Number:** C-IND-IM-170428-K-010-001

**COURSE OUTLINE**

<b>DAY ONE</b>		
0800 – 1000	Turbine Engine Hygiene	Mike Broderick TRACE, Inc.
1000 – 1200	Rotor Blade Preventative Maintenance	Becky Swanson
1200 – 1300	Lunch – On Own	
1300 – 1500	Avionics Troubleshooting	R. Fred Polak International Assoc. of Helicopter Maintenance Professionals
1500 – 1600	Regulatory Aspects of Public Aircraft Maintenance and Operations	TBD
1600 – 1700	Human Factors and Maintenance	Bryan Smith, APSA Safety Program Manager



## **AIRBORNE PUBLIC SAFETY ASSOCIATION / TACTICAL FLIGHT OFFICER COURSE / INSTRUCTOR PROFILES:**

### **JOHN NIELSEN**

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

### **BRYAN SMITH**

Officer/Pilot, Seminole County Sheriff's Aviation Division // APSA Safety Program Manager

*Bryan Smith is the current Safety Program Manager for APSA. He currently works for the Pinellas County (FL) Sheriff's Office as the chief pilot in 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 an M.S. in Criminal Justice Administration, with an emphasis in safety management, from Florida Gulf University. Over the last eight years he has had the privilege of being a regular instructor at APSA 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.*

### **KEVIN MEANS**

Chief Pilot; San Diego (CA) Police Department (Retired) // Owner; Tactical Flying, Inc.

*Kevin Means recently retired from the San Diego (CA) Police Department, where he worked a variety of assignments including patrol, detective, undercover narcotics enforcement and gang enforcement. Currently, Kevin is assigned to the Air Support Unit where he is chief pilot and flight instructor responsible for training all of the Unit's pilots and tactical flight officers. Kevin is a commercially rated pilot in airplanes and helicopters, a Certified Flight Instructor (CFI) in airplanes and helicopters, unit helicopter training officer and NVG Check Airman. He is also an FAA accident prevention counselor. Kevin is a recognized expert in thermal imagery, having completed the Department of Justice Thermal Imagery Course in 1995 and has provided court testimony in over 200 cases involving thermal imagery and thermal imagery searches. He has also authored a book on the tactics associated with thermal imagery searches. Kevin is the owner of Tactical Flying, Inc. and trains law enforcement aircrews worldwide.*

### **DR. DUDLEY CROSSON**

Ph. D. Aviation Physiology; Delta P // APSA 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 psychologist who is also a qualified aviation safety officer. Dr. Crosson provides aeromedical safety support 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 University of Hawaii – Hilo
- Member of the CAMTS Aviation Advisory Committee

### **CYNDI JO MEANS**

Deputy District Attorney (Retired); San Diego County (CA) District Attorney's Office

*Cyndi Jo Means is a retired Deputy District Attorney with the San Diego County District Attorney's Office where she has worked for 27 years. Cyndi has instructed for APSA since 1997 on topics, including 4<sup>th</sup> Amendment Law Pertaining to Aerial Surveillance and use of Aerial Technology such as thermal imagery cameras. Her courses also include legal updates on airborne law enforcement, Public Aircraft operations and issues and Federal Aviation Regulations. She is also considered an expert in policing from the air and the laws applicable to airborne law enforcement and thermal imagery searches. In addition to instructing for APSA, Cyndi has also instructed for the California Highway Patrol, San Diego County Sheriff's Department and the San Diego County Juvenile Fire-setter Coalition.*

### **JOSH GOLDSCHMIDT**

Sergeant; Portland (OR) Police Department

*Josh has been a member of the Portland (OR) Police Department for the past 20 years. During this time frame, 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 APSA for the past 5 years at the Annual Conference and several Regional Safety Seminars.*