

ALEA EXPO 2017
RENO, NV | JULY 24-29



**AIRBORNE
 THERMOGRAPHER
 CERTIFICATION
 COURSE**

LOCATION:

Peppermill Hotel; Naples 7

COURSE LENGTH:

Three days, 24 classroom hrs.

DATE / TIME:

Monday, July 24 –

Wednesday, 26, 2017

0800 – 1700 hours each day

INSTRUCTORS:

KEVIN MEANS: *Kevin Means recently retired from the San Diego Police Department where he worked a variety of assignments including patrol, detective, undercover narcotics enforcement and gang enforcement. 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.*

CYNDI JO MEANS: *Cyndi Jo Means recently retired as an Deputy District Attorney with the San Diego County District Attorney's Office where she worked for 27 years. Cyndi has instructed for ALEA since 1997 on topics including 4th 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 ALEA, Cyndi has also instructed for the California Highway Patrol, San Diego County Sheriff's Department and the San Diego County Juvenile Firesetter Coalition.*

BRIAN SPILLANE: *Brian Spillane is the Western Regional Sales Manager for FLIR Systems, Inc., where he's worked with state and local Airborne Law Enforcement agencies for the past seven years. Brian is a Certified Thermographer Instructor and has a B.S. in Engineering from Arizona State University.*

COURSE OBJECTIVES: This course is an in-depth study of airborne thermal imagery use in the areas of tactics, technology and theory. The course offers certification as an Airborne Thermographer to qualified students who attend all 24-hours of training, pass the written exam and demonstrate proficiency on the use of a static airborne thermal imagery system. The Airborne Thermographer Certification portion of the course is presented by Mr. Brian Spillane, FLIR Systems, Inc. who is a Certified Thermographer Instructor. The remainder of the course is presented by airborne thermal imagery experts, featuring Kevin Means of Tactical Flying, Inc, as the lead instructor. This course has been specifically designed for aviation law enforcement officers for use in support of law enforcement missions using airborne thermal imagery systems. The course is designed to benefit not only the TFO but the police pilot as well, as all of the instructors explain and demonstrate the theory, technology, tactics and legal issues involving the successful use of thermal imagery cameras and systems. The legal issues affecting thermal imagery searches are presented by Cyndi Jo Means, San Diego Co DA's Office.

INTENDED AUDIENCE: This course is intended for law enforcement patrol pilots, Tactical Flight Officers and crewmembers assigned to law enforcement aviation units and meets all requirements for **Airborne Thermographer Certification**.

COURSE OUTLINE

DAY ONE		
0800 – 0900	Introduction to Infrared Patrol Tactics	Kevin Means
0900 – 1200	Infrared Patrol Tactics	Kevin Means
1200 – 1300	Lunch On Own	
1300 – 1700	Infrared Patrol Tactics <i>(continued)</i>	Kevin Means

DAY TWO		
0800 – 1200	Infrared Patrol Tactics <i>(Review)</i>	Kevin Means
1200 – 1300	Lunch On Own	
1300 – 1500	Legal Aspects of ABLE	Cyndi Jo Means
1500 – 1700	Indoor Marijuana Investigations	Kevin Means

DAY THREE		
0800 – 1100	Airborne Thermography Science & Theory	Brian Spillane
1100 – 1200	Thermographer Certification Course EXAM	Brian Spillane
1200 – 1300	Lunch On Own	
1300 – 1500	Vehicle and Foot Pursuits	Kevin Means
1500 – 1700	Infrared Incident Critiques	Kevin Means

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