



## **Keith M. Cianfrani**

MAS, CRSP

Lieutenant Colonel, US Army (Retired)

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### **CAREER PROFILE**

I had a successful career of 25 years of military service. This included extensive experience in areas of Aviation Safety, Training, Maintenance, Standardization, Risk Management, Instruction and Operations. Currently, I operate my own safety consulting business focusing on risk management techniques with a proactive approach to safety management. I hold an FAA Commercial Pilot and Certified Flight Instructor Certificate.

I was also assigned to the US Army Safety Center and performed duties as President of the Centralized Accident Investigation Board, for Army aviation and ground accidents. My area of expertise is human factors, aviation training and safety. This involves interface with civilian aircraft manufacturer representatives and material experts. My duties as an aviation safety officer also include instructing aviation risk management and conducting safety assessments/evaluations to various government agencies world wide. I was one of two advisors to the Director of Army Safety and Commander of the US Army Safety Center. While serving at the U.S. Army Safety Center, I wrote many safety articles for Flightfax and Countermeasures, the US Army's safety magazines.

During my career, I also served as Safety Officer for the 33<sup>rd</sup> Aviation Group, Ft. Rucker, Alabama which included 11 army aviation units, spread out over 4 states. During this tenure, I managed the safety program for the commander, investigated accidents, performed safety inspections and performed risk management instructor duties. I also served as Safety Officer and Pilot for the US Army Counter Drug Task Force.

I am a qualified United States Army UH60 Blackhawk Helicopter Pilot and UH-1 Instructor Pilot with over 4000 flight hours. I am rated in both rotary wing and fixed wing aircraft.

I have a Doctorate Degree in Education (Abd) and a Master's Degree in Aerospace Safety from Embry Riddle Aeronautical University, Daytona Beach, Florida and I am currently a Ph.D. graduate student at Florida Institute of Technology in aviation safety. I completed the Federal Aviation Administration's (FAA) and Transportation Safety Institute's (TSI) accident investigation course, human factors in accident investigation course, and the human error reduction course. I also completed the US Army's accident investigation course. I am also a Certified Registered Safety Professional by the International Society of Safety Professionals.

I'm also a member of United States Helicopter Safety Team, The International Society of Air Safety Investigators, Helicopter Association International (HAI) Safety Committee, and is currently working as a safety consultant for the Federal Aviation Administration and Helicopter Association International on a Flight Data Monitoring Safety Project.

I contribute safety articles for the Safety Watch and Training and Safety columns of Rotor and Wing Magazine and served as a panel member for Rotor and Wing's Safety Summit. I occasionally appear on the local news in and around Philadelphia as an aviation safety expert. Helicopter Association International (HAI) Safety Committee.

I am currently on the teaching staff at Embry Riddle University, McGuire Campus and Kansas State University, Salina Campus as an aviation safety instructor. I am qualified to teach rotary wing operations, aviation safety, and aviation accident investigations.

In addition to my military flying career, my flight experience includes commercial flying in and around the continental United States for over 30 years including the oil and gas industry, air ambulance and executive air charter and I currently fly as a contract maintenance pilot for the FAA. I currently conduct aviation safety audits for IS-BAO, Tour Operators Program of Safety (TOPS), Helicopter Association International and Wyvern Ltd.

## **EXPERIENCE AND ACHEIVEMENTS**

Retired from US Army Active Duty

1 Jan 05

### **Adjunct Instructor Embry Riddle Aeronautical University, McGuire, (2012) AFB, New Jersey**

- Aviation Safety Instructor
- Aviation Maintenance Safety

### **Adjunct Instructor Kansas State University Online, Aviation Operations and Safety (2016-Present)**

- Aviation Safety
- Rotorcraft Operations
- Accident Investigations
- Aviation Maintenance Safety

### **Rotor and Wing and Rotor (HAI) Magazine-Safety Columnist (Currently)**

### **FAA/HAI/Florida Institute of Technology Safety Consultant (Currently)**

- FAA Rotorcraft ASIAS Helicopter Safety Project Lead Outreach/Pilot Consultant

### **Ed.D., (Abd) Delaware Valley University, Doylestown, Pennsylvania**

### **Aviation Safety Consultant, Philadelphia, PA**

**2002-Present**

- President and owner Aviation Safety Consultants, LLC.
- Risk Management and Safety Instructor for civilian aviation operators to include aviation safety, systems safety, human factors, accident investigation, accident prevention and rotorcraft operations.
- Aircraft Accident Investigator and Safety Evaluator for fixed and rotary wing civilian operators. Aviation Safety Expert Witness for various clients.
- Perform Safety Audits for aviation companies involving training, safety management, maintenance, production, and ramp operations.

### **Director of Junior ROTC, School District of Philadelphia (2007-2013)**

- Responsible for directing Junior ROTC Program that included 15 High Schools with 2500 High School cadets throughout the School District of Philadelphia
- Working with Philadelphia School District Superintendent and various High School Principals to achieve the goals of Junior ROTC and State Scholastic Requirements.

**U.S. Army Reserve Liaison, U.S. Army Safety Center,  
Ft. Rucker, Al 2000-2002**

- Accident Investigation Board President responding to Department of the Army requirements for accident investigations on a worldwide basis.
- Risk Management Instructor
- Liaison interfacing between USAR, and the US Army Safety Center on safety issues that impacted USAR aviation and ground organizations.
- Supervise, prioritize, and coordinate research and statistical analysis efforts influencing executive decisions on programs designed to reduce the probability and severity of aviation accidents.
- Developed and presented formal briefings to the Director of Army Safety as one of two advisors on aviation leadership and all matters related to safety to Army Aviation (Reserve and Active).

**Training, Operations and Maintenance Officer, Willow Grove, PA  
1994-1995**

- Battalion S3 for the 2/228th Aviation Regiment (fixed wing) aviation unit.
- Responsible for all training and operations within the battalion with units located throughout the United States.
- Task Force Commander for Roving Sands, Ft. Bliss, El Paso, TX.
- Coordinated unit activation for the 6/52<sup>nd</sup> Aviation Battalion, Los Alamitos, Ca.

**Aviation Safety Officer, Ft. Rucker, Al 1992-1994**

- Aviation Safety Officer for the 33<sup>rd</sup> Aviation Group, Ft. Rucker, Al.
- Responsible for all safety related matters for 11 aviation units located throughout the United States.
- Responded to all aviation mishaps within the command.
- Sponsored yearly aviation safety conferences within the command
- Received Army Aviation Association's Safety Officer of the Year Award, Ft. Rucker, 1993
- Transformed an entire aviation group from a grounded status to flying status with safety expertise within 30 days of taking safety position.
- Perform Safety and Maintenance Audits for aviation units involving training, safety management, and production and ramp operations.

**Commander, Instructor Pilot, Ft. Rucker, Al 1990-1992**

- Commander and Instructor Pilot for UH-1 Refresher Course, USAR.
- Responsible for the refresher training of approximately 300 aviators yearly.
- Responsible for a two-million-dollar budget and 10,000 flying our program.
- Participated in Operation Desert Storm/Shield as flight instructor.

**Operations Officer, Willow Grove, Pa**

**1987-1990**

- Operations Officer for the 157<sup>th</sup> Theatre Aviation Company.
- Responsible for forming a new USAR aviation unit.
- Responsible for all training and operations in the unit.

**Various Aviation Assignments**

**1982-1987**

- Pilot, UH1 Willow Grove, Pa and McGuire, AFB, NJ.

**CIVILIAN EDUCATION**

Ed.D. (Abd), Education Leadership in Higher Education, Delaware Valley University, Doylestown, Pennsylvania

Embry Riddle University, Daytona Beach, Florida-Master of Aeronautical Science with a concentration in Aerospace Safety (2001)

Florida Institute of Technology- Ph.D. Student Aviation Science/Safety 2013-2018

LaSalle University, Philadelphia - BS-Finance/Political Science

**MILITARY/CIVILIAN AVIATION EDUCATION**

US Army Command and General Staff College

US Army Aviator Course (April 1982 Graduate)

US Army Instructor Pilot Course (March 1989)

US Army Aviation Safety Officers Course (August 1992)

US Army Fixed Wing Course (July 1993)

US Army Unit Safety Management Course

US Army Human Error Reduction Course

US Army Accident Investigation Course

US Army Maintenance Safety Course

DOT/TSI- Human Factors in Accident Investigation Course (August 2000)

DOT/TSI- Aviation Accident Investigation Course (August 2000)

OSHA- Safety Management/Instructors Course

DOT/TSI Safety Management Systems and Aviation Safety Program Management/Audit Course (2012)

DOT/TSI Safety Risk Management Trainer Course (2012)

DOT/TSI Human Factors Analysis and Classification System (2012)

Robinson Helicopters Pilot Safety Course

IS-BAO/HAI Safety Auditor Accreditation Course

HAI Auditor Accreditation Course (2016)

## **CIVILIAN AVIATION EXPERIENCE**

**2016 (Currently):** FAA Flight Data Monitoring Test Pilot, S76, Atlantic City, NJ

**May 06-Sep 06:** Pilot, Channel 6 News (Chopper 6), Philadelphia, Pa

**Jul 05- Sep 05** Captain/Pilot Keystone Helicopters Inc., West Chester, Pa  
(Medevac/Air Ambulance)

**Aug 85- March 87:** Damin Aviation, Weehawken, NJ, Captain, Pilot (Executive Air Charter) S76, AS350D, Bell 222, Bell 206 (Called to active duty)

**Nov-84-May 85:** Captain for Petroleum Helicopters, Lafayette, LA (Bell 206L1)

## **AVIATION QUALIFICATIONS**

US Army Instructor Pilot

Master Army Aviator

FAA Part 91 and 135 Qualified

CFI (Certified Flight Instructor) FAA

Commercial Pilot/Multi-Engine (4000+Hours) Rotary and Fixed Wing

UH60 (Blackhawk)

UH1 Huey

Sikorski S76

Bell 222/206 (Jet Ranger)

Airbus AS350 B (A Star)

T38 Talon (High Performance Jet)

Cessna 172/182

BK 117

Schweizer 300

U21/T41 Queen Air

### **Awards**

Army Aviation Association of America, Ft. Rucker Aviation Safety Officer of the Year, 1993

US Army Legion of Merit

US Army Commendation (5)

33rd Aviation Group Counterdrug Task Force Outstanding Safety Officer Award 1993

US Army Meritorius Service Medal (3)

US Army Cadet Command ROTC Unit Safety Award 1998

Rotary Club International Four-Way Test Award for Education 2010

## **Membership Affiliations**

- HAI (Helicopter Association International) Certified Safety Auditor
- HAI Safety Committee
- USHST (SMS Committee Member)
- International Society of Safety Professionals (ISSP) Certified Registered Safety Professional (CRSP)
- IHST (International Helicopter Safety Team)
- ISASI (International Society of Air Safety Investigators)
- AAAA (Army Aviation Association of America)
- IS-BAO Certified Auditor
- Wyvern Certified Auditor
- Eastern Regional Helicopter Council
- Tour Operators Program of Safety (TOPS)