



HAROLD R. BARRENTINE
SENIOR CONSULTANT

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Mr. Barrentine has over 35 years aviation experience as a pilot, director of safety, director of maintenance, operations manager, and accident investigator. He holds a Commercial Pilot's license for both multi-engine, as well as single engine airplane and helicopter with an instrument rating, logging over 6,000 hours of flight time. In his investigative experience, Mr. Barrentine has conducted accident investigations and provided technical support to foreign investigation agencies in more than 40 different countries throughout the world. He has personally participated in more than 400 aviation accident investigations while gaining deposition and courtroom testimony experience as an expert witness. He has developed procedures for effectively "field testing" various components during the investigative process, and performed duties as the Investigator-In-Charge (IIC/Board President) for 100+ military investigations.

Areas of Specialization

Pilot Expert (Helicopter & Airplane)
Aviation Accident Investigation
Aviation Accident/Event Reconstruction
Litigation Representation (as Expert Witness)
Component Testing and Examination
Failure Identification and Analysis
Combustion (Piston) Engines and Components
Aircraft Fuel Systems
Aviation Safety
Aviation Operations
Operations and Safety Audits
Safety Management System (SMS)
"Bogus" Aircraft Identification
"Bogus" Parts Identification

Education

Graduate work, Central Michigan University, 1996-1997
Command and General Staff College, Fort Leavenworth, Kansas, 1994
Vehicle Accident Investigation & Reconstruction, Northwest University, 1982
B.A., University of South Florida, 1980

January 2021

Professional Education

U.S. Army Aviation Center, Initial Entry Rotor-Wing Course, 1983

Army Logistics Center, Test Pilot Course, 1984

U.S. Army Aviation Center, Blackhawk Qualification Course, 1987

Flight Safety International, Airplane Multi-Engine Qualification Course, 1990

Accident Investigation/Safety Courses, 1994-2017

- US Army Safety Officer & Accident Investigator Course
- FAA Accident Investigation Course I, Oklahoma City, OK
- FAA Accident Investigation Course II, Fort Worth, TX
- P&W Canada Engine Investigation Course, Montreal, Canada
- Aviation Management Course; Embry Riddle University, Daytona Beach, FL
- Aviation Safety and Security Course, University of Southern California (USC), Los Angeles, CA, August 2017
- Helicopter Accident Investigation Course, Viterbi School of Engineering, University of Southern California (USC), Los Angeles, CA, November 2015
- Safety Management for Aviation Maintenance Course, Viterbi School of Engineering, University of Southern California (USC), Los Angeles, CA, August 2017
- Human Factors in Aviation Safety Course, Viterbi School of Engineering, University of Southern California (USC), Los Angeles, CA, June 2016
- Gas Turbine Engine Accident Investigation Course, Viterbi School of Engineering, University of Southern California (USC), Los Angeles, CA, November 2016

Manufacturer's Familiarization & Maintenance Courses

- OH58/206B Familiarization & Maintenance
- 206L3/L4 Maintenance
- 407 Familiarization & Maintenance Course
- 212/412 Qualification Course (Flight Safety International)
- 429 Familiarization
- V-22 Familiarization

Positions Held

Engineering Systems Inc., Dallas, Texas

Senior Consultant, 2015 – present

Bell Helicopter Textron, Fort Worth, Texas

Senior Air Safety Investigator Specialist, 2001 – 2015



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Raytheon (Beech) Aircraft Company, Wichita, Kansas

Senior Air Safety Investigator Engineer, 1998 – 2001

U.S. Army Safety Center, Fort Rucker, Alabama

Senior Air Safety Investigator In Charge (IIC), 1993 – 1998

Aviation Career Development, United States Army, 1980 – 1998