



JOSEPH AVIATION CONSULTING



CAPTAIN J. F. JOSEPH COLONEL, USMCR (RETIRED)

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JOSEPH AVIATION CONSULTING

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jacaviation@cs.com

CURRICULUM VITAE

Positions Held

Civil:	Present-	Joseph Aviation Consulting-Aviation Consultant, Flight Department Safety/Leadership Auditor, Aviation Accident Investigator, and Aviation Expert Witness
	Present-	Partnership for Corporate Aviation Training (PCAT), Aviation Safety/Accident Investigator Instructor
	Present-	IS-BAO SMS Auditor, Fixed-Wing Operations, Maintenance and Operations Management
	Former-	Deputy Director of Aviation, Texas Department of Transportation, (TxDOT) (Retired) <ul style="list-style-type: none">• Chief Pilot• Director of Flight Services• TxDOT UAS Research Program Manager• Senior Member Aviation Accident Mishap Board• Senior Member Aviation Safety Committee• Senior Evaluator Pilot• Senior Instructor Pilot• Director of Safety and Standardization (Aviation/Ground)

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Former-

USAirways (Retired)

- A319/320/321 Captain
- Fokker-100 Captain
- MD80, DC-9, Boeing 727 First Officer
- Airbus 319/320/321 Instructor Pilot
- Airbus319/320/321 Flight Standards
- Airbus 319/320/321 Flight Operations Quality Assurance (FOQA), Committee Chairman

Military:

Present-

Colonel, United States Marine Corps Reserve (Retired)

Former-

Designated Naval Aviator

- KC-130 Demonstration Pilot, Senior Marine, United States Naval Flight Demonstration Squadron-*The Blue Angels*
- Senior Air Wing NATOPS Evaluator and Instructor Pilot
- Senior Air Wing Weapons and Tactics Evaluator and Instructor Pilot
- Director of Safety and Standardization
- Aviation/Ground Safety Officer
- Air Wing Senior Inspecting Officer, Marine Corps Combat Readiness Evaluation System (MCCRES), 4th Marine Aircraft Wing
- United States Naval Academy Liaison Officer

Flight Experience:

Over 50 Years of aviation experience and 30,000 flight hours flown in more than eighty-five different models of aircraft.

Certificates:

Airline Transport Pilot: (Airbus 319/320/321, Fokker-100, L-382, EMB-500) **Commercial, Multi-Engine, Instrument:** (ASMEI) **Certified Flight Instructor** (MELCFII)

Award (Civilian):

Federal Aviation Administration (FAA) “Wright Brothers Master Pilot Award”

Education:

Master of Science, Public Administration (M.P.A.) Troy State University, Troy Alabama, Florida Region, NAS Pensacola, FL, November 1983

Bachelor of Science, Aeronautical Studies/Flight Technology, Embry-Riddle Aeronautical University, Daytona Beach, FL, April 1975

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Human Factors Analysis and Classification Systems, Workshop, (HFACS-450), Embry-Riddle Aeronautical University (Shappell Ph.D. and Wiegmann Ph.D.), July 2023

IS-BAO Auditing (Recertification - Fixed-Wing Operations and Operations Management), IBAC (World-Wide), June 2023

IS-BAO Fundamentals, IBAC (World-wide), June 2023

ICAO Global Aviation Training, Aviation Data-Driven Decision Making (AD3M), April 2023

IS-BAO Auditing Workshop (Recertification), IBAC (World-Wide), November 2021

IS-BAO Fundamentals Workshop, IBAC (World-wide), November 2021

Safety Management Systems for Managers (SMSM) Flight Safety International February 2021

Human Factors/Physiology in Accident Investigation (HFAI) Southern California Safety Institute Long Beach, CA, February 2015

IS-BAO Auditing Workshop (Certification), IBAC/PCAT San Antonio, TX, June 2014

IS-BAO Fundamentals Workshop, IBAC/PCAT San Antonio, TX, June 2014

Safety Management Systems (SMS), ATC Vantage LLC Dallas, TX, May 2009

USAirways Instructor Pilot Syllabus, A319/320/321) Charlotte Training Center Charlotte, NC, December 2002

USAirways Instructor Pilot Syllabus, A319/320/321) Charlotte Training Center Charlotte, NC, March-May 1999

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**USAirways Basic Check Airmen Training,
Pittsburgh Training Center
Pittsburgh, PA, May 1999**

**United States Naval Aviation Training, Aviation
Physiology Training, NAS Pensacola, Pensacola, FL
June 1997**

**Naval Aviation Safety Officers Commanders Course,
United States Naval Post-Graduate School
Monterey, CA, February 1995**

**Weapons and Tactics Instructors Commanders
Course, MAWTS 1, MCAS Yuma
Yuma, AZ, May 1994**

**Defensive Tactics Instructors Course, MAWTS 1,
MCAS Yuma
Yuma, AZ, November 1993**

**United States Naval Aviation Training, Aviation
Physiology Training, NAS Pensacola, Pensacola, FL
June 1987**

**United States Naval Aviation Training, Aviation
Physiology Training, NAS Pensacola, Pensacola, FL
June 1983**

**Naval Aviation Safety Officer School, United States
Naval Post-Graduate School
Monterey, CA, January 1982-March 1982**

**Weapons and Tactics Instructors Course, MAWTS 1,
MCAS Yuma
Yuma, AZ, January 1981-March 1981**

**United States Marine Corps KC-130 FRS NATOPS
Instructor/Instrument Evaluator Syllabus, MCAS
Cherry Point
Cherry Point, NC, September-October 1980**

**United States Naval Aviation Training, Aviation
Physiology Training, MCAS Cherry Point
Cherry Point, NC, December 1979**

**United States Marine Corps KC-130 Transition
Training, MCAS Cherry Point
Cherry Point, NC, May-June 1978**

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**United States Air Force C-130 Transition School,
Little Rock Air Force Base
Little Rock, AK, February-April 1978**

**United States Naval Aviation Training, NAS
Pensacola, Pensacola, FL (Primary Flight Training),
NAS Meridian, (Basic and Advanced Jet Training)
Meridian, MS, July 1976-December 1977**

**United States Marine Corps, The Basic School,
MCB, Quantico
Quantico, VA, January-July 1976**

**United States Marine Corps, Officer Candidate
School, MCB Quantico
Quantico, VA, September-December 1975**

Previous Employers:

**Texas Department of Transportation (TxDOT)
Deputy Director of Aviation, Chief Pilot and Director
of the Flight Services Section.
Austin, TX, August 2006-November 2019**

**USAirways
Captain/First Officer/Instructor Pilot. Boeing 727, DC-
9, MD-80, FK-100, Airbus 319/320/321.
June 1986-August 2006**

United States Marine Corps

- **Fourth Marine Aircraft Wing**, Fourth Marine Aircraft Wing Headquarters, New Orleans, LA. **Qualification: Senior Air Wing Combat Readiness Evaluator (MCCRES)**
- **Marine Air Control Group 48, Marine Air Group 41, Marine Transport Refueler Squadron VMGR-234**, NAS Glenview, Glenview, IL and NAS JRB Ft. Worth, Ft. Worth, TX. **Marine Transport Refueler Squadron, VMGR-452**, Stewart Air National Guard Base, Newburgh, NY. **Qualifications:** KC-130 Aircraft Commander, NATOPS Evaluator and Instructor, NATOPS Instrument Evaluator and Instructor, Weapons and Tactics Instructor, Director of Standardization and Safety, Squadron Aviation/Ground Safety Officer. Post Maintenance Functional Check Pilot and Refueling Area Commander.
January 1985-August 2004

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- **Naval Flight Demonstration Squadron (*The Blue Angels*)**, NAS Pensacola, Pensacola, FL. KC-130 Demonstration Pilot, Officer in Charge Marine Detachment, Director of Safety and Standardization, Squadron Aviation/Ground Safety Officer. **Qualifications:** KC-130 Aircraft Commander, NATOPS Evaluator and Instructor, NATOPS Instrument Evaluator and Post Maintenance Functional Check Pilot.
October 1982 to January 1985
- **Marine Transport Refueler Squadron VMGR-252**, MCAS Cherry Point, Cherry Point, NC, **Marine Transport Refueler Squadron VMGR-152**, Futenma, Okinawa, Japan. **Qualifications:** KC-130 Aircraft Commander, NATOPS Evaluator and Instructor, NATOPS Instrument Evaluator and Instructor, Weapons and Tactics Instructor, Post Maintenance Functional Check Pilot and Refueling Area Commander.
December 1977 to September 1982
- **United States Naval Aviation Training Command:** Preflight Training, NAMI (Naval Aerospace Medical Institute) Aviation Physiology Training. NAS Pensacola, Pensacola, FL.
Student Naval Aviator (Primary Syllabus)
VT-2 Primary Flight Training, NAS Whiting, Milton, FL.
Student Naval Aviator (Attack Jet Strike Syllabus)
VT-19 Basic Jet Flight Training, NAS Meridian, Meridian, MS.
VT-7 Advanced Jet Flight Training, NAS Meridian, Meridian, MS
July 1976 to December 1977
- **United States Marine Corps Officer Candidate/The Basic School**, MCB Quantico, Quantico, VA.
September 1975 to July 1976
- **Embry-Riddle Aeronautical University**
Daytona Beach, FL-Flight Instructor (Private-Commercial).
August 1974 to June 1975

Professional Affiliations:

- International Society of Air Safety Investigators (ISASI)
- Human Factors and Ergonomics Society (HFES)
- Flight Safety Foundation
- National Business Aircraft Association (NBAA)
- International Business Aircraft Operations (IS-BAO)
- International Business Aviation Council (IBAC)
- Partnership for Corporate Aviation Training (PCAT)
- National Air Transportation Association (NATA)
- Airline Pilots Association (ALPA)
- Blue Angels Alumni Association
- Marine Corps Air Transport Association
- United States Naval Academy Liaison Officer, Blue and Gold Association
- Aircraft Owners and Pilots Association (AOPA)
- Experimental Aircraft Association (EAA)
- Society of Aviation and Flight Educators (SAFE)
- National Association of Flight Instructors (NAFI)
- Order of the Daedalians

Operational Experience:

1. **Aviator:** I possess over fifty years of world-wide piloting experience in high-performance military, large transport category, and general aviation aircraft. Operational expertise includes domestic and vast international all-weather exposure. As an aviator, I have accumulated over 30,000 flight hours in more than eighty-five models of aircraft while operating in the capacity of a military pilot (Naval Aviator), airline pilot, and general aviation pilot. As an Instructor Pilot/Evaluator Pilot (general aviation, military, and air carrier), I have fifty years of experience, during which time I have instructed and or evaluated thousands of pilots in varying capacities.
2. **United States Marine Corps (USMC) Colonel and Naval Aviator:** I completed a nearly thirty-year career in the United States Marine Corps. As a Weapons and Tactics Instructor, I planned, staffed, or evaluated hundreds of military aviation operational exercises. As the Senior Evaluator for the Fourth Marine Aircraft Wing (MAW), I was directly responsible for evaluating unit combat readiness, pilot/aircrew performance, and the effectiveness of training for all tactical aviation elements within the Air Wing. Most notably, I was honored to have been selected and serve as the Senior Marine, Director of Standardization and Safety (Aviation/Ground) Officer and KC-130 Demonstration Pilot for the *Blue Angels*. During my military career I served in the capacity of:
 - United States Marine Corps Senior Air Wing *Combat Readiness Evaluator*
 - United States Marine Corps Senior Air Wing KC-130 *NATOPS Evaluator/Instructor*
 - United States Marine Corps Senior Air Wing KC-130 *Instrument Evaluator/Instructor*

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- Selected and designated as the first KC-130 *Weapons and Tactics/Instructor Pilot graduate*, of Marine Aviation Weapons and Tactics Squadron One (MAWTS-I),
 - United States Marine Corps Marine Air Group/Squadron *NATOPS Evaluator/Instructor*
 - United States Marine Corps Marine Air Group/Squadron *Instrument Evaluator/Instructor*
 - United States Marine Corps Marine Air Group/Squadron *Director of Safety and Standardization* (Aviation/Ground)
 - United States Marine Corps Air Group/Squadron *Aviation Safety Officer*
 - United States Marine Corps Air Group/Squadron *Aircrew Training Officer*
 - United States Marine Corps Air Group/Squadron *Aircraft Mishap Board (Senior Member)*
 - United States Marine Corps Air Group/Squadron *Aviator Human Factors Board (Senior Member)*
 - United States Marine Corps Air Group/Squadron *Instrument Flight Board (Senior Member)*
 - United States Marine Corps Air Group/Squadron *Flight Standardization Board (Senior Member)*
 - United States Marine Corps Squadron *Executive Officer*
 - United States Marine Corps Squadron *Operations Officer*
 - KC-130F, R, T and T-30 *Aircraft Commander*
3. **Aviation Standardization and Operations Supervisor:** Over the past forty-two years I have developed or administered both policy and protocol in military, air carrier and general aviation flight departments to include:
- **Military:** *USMC* Senior Evaluator/Instructor, Executive Officer and Operations Officer, Director of Safety and Standardization and Aviation/Ground Safety
 - **Air Carrier:** *USAirways* Instructor/Management Pilot
 - **General Aviation:** *Texas Department of Transportation* Deputy Director of Aviation, Chief Pilot, Flight Services Section Director
 - Director of Standardization and Safety (Aviation/Ground)
 - Ground Services Director/Protocol Developer
 - Flight Operations Standardization
 - Flight Crew Evaluation
 - Flight Operations Quality Assurance (FOQA)
 - Flight Data Management (FDM)
 - Human Factors
 - Risk Management
 - Safety Management Systems (SMS)
 - Cockpit/Crew Resource Management (CRM).
 - Flight department and pilot training/curriculum development.

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4. **Flight/Aircraft Maintenance Department Director/Supervisory Pilot (General Aviation):** From 2006 through 2019, I concurrently served as the Deputy Director of Aviation, Chief Pilot, and Flight Services Section Director for the *Texas Department of Transportation (TxDOT)*. In this capacity and under my direction, I was directly responsible for the safe, efficient, and effective operation of the largest state operated aircraft maintenance/ground servicing facility in the United States. The Texas Department of Transportation Flight Services Section maintains and operates flight operations in support of official state business. As the designated change agent for the State of Texas and the Texas Department of Transportation, I assembled a team of aviation professionals which transformed the state’s Flight and Aircraft Maintenance Departments from an annual \$950,000 deficit into a consistent profit center.

Because of the operational efficiencies, and overall fleet readiness, TxDOT Flight Services as an entity, became nationally recognized as the “model manager” for state operated fleets. In addition to becoming consistently fiscally solvent (on revenues in excess of \$9 million annually), the state’s flight and aircraft maintenance operations have achieved an envious and unparalleled aviation safety record.

In 2019, I successfully authored and implemented an Aircraft Fleet Replacement Plan for the State of Texas and its entire respective aircraft fleet. The adoption of this plan by the state government resolved substantial safety, economic and operational issues which stemmed from a pre-existing and aggressive “aging” aircraft fleet problem. In the Fleet Replacement Plan, a defined set of operational and economic metrics were developed which resulted in the selection of a “rationalized” aircraft fleet to include type, model, and size of the fleet. Once this plan was adopted, I provided subject matter expertise during procurement negotiations. After completion of the aircraft acquisition, I developed and was directly responsible for fleet integration, pilot and maintenance training and the implementation of formal cost model protocols. This “fleet” acquisition is an historical first, both in concept and scope for state government.

5. **Supervisory Pilot (Air Carrier):** As an Instructor/Management Pilot at *USAirways*, I participated in the initial integration of a new fleet type (which at the time, it was the largest commercial aircraft purchase in aviation history) and assisted in the development of initial and recurrent training curricula, while concurrently serving on the Flight Standards Committee. Additionally, I chaired the USAirways Airbus Fleet Flight Operations Quality Assurance (FOQA) Committee.
6. **Supervisory Pilot (Military):** Served as the Senior Pilot/Aircrew Combat Readiness Evaluator (MCCRES) for the entire *United States Marine Corps Fourth Marine Aircraft Wing*.
7. **Aviation Safety Manager/Accident Investigator:** I possess over forty-two years of experience as a formally trained (*United States Naval Post-Graduate School, Aviation/Ground Safety Officer Curriculum*) Aviation Accident Investigator. In this capacity, I have investigated hundreds of aviation accidents or incidents. I am also a formally trained International Standard for Business Aircraft Operations (IS-BAO) Fixed-Wing Operations and Operations Management Auditor.

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8. **Aviation Expert:** For the past thirty-two years, I have owned and operated *Joseph Aviation Consulting*, offering consulting, accident investigation and expert witness services to aviation, legal and insurance entities. In these capacities, I have represented numerous high-profile clients to include: “Fortune 50” Corporate Flight Departments, American Airlines, United Airlines, and Pratt & Whitney of Canada. My expert witness testimony has been offered in Federal Court as a subject matter expert in pilot performance and flight operations. My opinions and expertise in aviation related matters have been featured by appearances in international and nationally syndicated news outlets to include The Discovery Channel, NATGEO, Wharton Business Radio and the Smithsonian Channel. Finally, in May of 2023, I was selected by the Federal Aviation Administration to be a recipient of the coveted *Wright Brothers Master Pilot Award*.