



## Douglas M. Moss

### AeroPacific Consulting LLC

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**Profile:** Over forty years of experience in civilian, commercial, military, and general aviation; including flight operations, training, flight test, airline operations, aircraft design, manufacturing, management, airport land-use compatibility, and aircrew salary/employment issues.

**Expertise:**

- Accident Analysis: Accident investigation, reconstruction and causal analysis; NTSB report analysis; engineering assessments; CVR/FDR interpretation and analysis; etc.
- Engineering and Human Factors: Cockpit design; human factors; human error analysis.
- Convective Plumes: Flight testing and analysis of convective plumes from power plants.
- Airport / Land Use Issues: Analysis of hazards to aviation for airport/land use considerations, ranging from bird/wildlife hazards to thermal plumes from commercial power plants.
- Financial: Flight crew salaries; safety & risk assessments; training & operational audits.
- Legal: Litigation support; expert testimony; legal research, deposition and documentation analysis; flight crew standard of care, witness interviews, aircrew performance and standard of care evaluation, air traffic control procedures, crew resource management, pilot training; etc.

**Experience:**

- Faculty instructor: Aviation Human Factors and Human Error Analysis at USC's Viterbi School of Engineering - Aviation Safety & Security Program.
- Airline Instructor: Conducted line safety audits of operational crews and taught courses in Human Factors for pilots at United Airlines.
- Airline Captain and Check-Airman: United Airlines, Douglas Aircraft Company, EVA Airlines, Great China Airlines, U-Land Airlines, UNI Air, China Northern Airlines.
- Experimental Test Pilot (Instructor): Douglas Aircraft Company and US Air Force, testing all aspects of the T-46 USAF trainer and MD-80 and MD-90 series airliners.
- US Air Force: Fighter pilot, test pilot, and instructor pilot at the USAF Test Pilot School.
- Engineering test pilot: Conducted convective plume analysis for power plant licensing.
- Fleet Manager: Douglas Aircraft Company for the MD-95 (aka B-717) during development.
- Aircraft Accident Investigator: Trained at USC's Aviation Safety & Security program. Conducted numerous investigations, ranging from general aviation to Part 121 operations.
- Aircraft Owner and Operator: Grumman Tiger, Beechcraft Bonanza and Pressurized Baron.
- FAA Certified Flight Instructor: Instructor for basic, instrument, and multi-engine (CFI, CFII, MEI).

**Academic Education:** Kaplan University: Juris Doctor  
University of Southern California: Aviation Safety and Security Certificate  
University of Phoenix: Master of Business Administration  
Georgia Tech: Master of Science - Mechanical Engineering  
Georgia Tech: Bachelor of Engineering - Nuclear Engineering

**Professional Qualifications:** Airline Transport Pilot, Instructor Pilot (CFI, CFII, MEI)  
Type Certificates: B-777, B-767, B-757, A319/320, DC-9 (MD-80, MD-90), MD-11  
Type Qualifications: B-777, B-767, B-757, B-727, A320, F-15, F-4, A-37, T-33, T-34, T-37, T-38, T-46  
Single-Engine Land & Sea; Multi-Engine Land; Instrument  
Flight Engineer – Turbojet Powered;  
In excess of 14,000 hours flight time in over 45 different aircraft models.  
Aircraft Owner/Operator - Beechcraft Bonanza (BE-35) and P-Baron (BE-58P)

**Professional Affiliations:** Society of Experimental Test Pilots  
Air Line Pilots Association  
Association of Aviation Psychology  
Aircraft Owners and Pilots Association  
Society of Automotive Engineers - SAE International  
American Institute of Aeronautics and Astronautics  
International Society of Air Safety Investigators