

JEFF GUZZETTI

5943 NEW ENGLAND WOODS DRIVE
BURKE, VA 22015
PHONE ; (202) 600-5002
EMAIL: JEFF@GUZZETTIAVIATION.COM

EDUCATION & TRAINING

Bachelor of Science; Aeronautical Engineering

Embry-Riddle Aeronautical University; April 1987

FAA Certified Airman

FAA Commercial Pilot Certificate with Multiengine and Instrument Ratings
Seaplane and Glider Pilot Ratings; FAA Class III Medical Certificate

Safety Certifications

Certified Advanced Aviation Safety Investigator
U.S. Transportation Safety Institute, Oklahoma City, Oklahoma. January 2019

U.S. Navy Aviation Safety Officer (ASO) Course Graduate
Naval Postgraduate School; Monterrey, California. August 1988

PROFESSIONAL EXPERIENCE

President – March 2019 to Present

Guzzetti Aviation Risk Discovery, LLC (GuARD); Burke, Virginia

Aviation safety consultant, instructor, investigator, auditor, expert witness, and writer. Current activities include conducting independent safety assessments for transportation entities, serving as an expert witness for the Department of Justice in cases involving aircraft accidents, instructing at the University of Southern California (USC) Aviation Safety & Security Program, conducting safety surveys of air ambulance operations for the Commission of the Accreditation of Medical Air Transport Systems (CAMTS), providing emergency response training for business jet operators, and writing articles related to safety lessons learned from aircraft accidents.

Director, Accident Investigation Division – May 2014 to February 2019
Federal Aviation Administration; Washington, DC

Led the division responsible for implementation of FAA's policies for the investigation of all civil aircraft accidents and incidents in the U.S and abroad. The division provides the FAA's direct link to the National Transportation Safety Board (NTSB) during major or significant aviation accident investigations. Led FAA investigations (in parallel with NTSB) to identify risks in any of the FAA's areas of responsibility such as the performance of FAA facilities or functions, competency of airmen involved, airworthiness, adequacy of regulations, and potential violation of regulations. Supervised an elite group of senior inspectors who represented the FAA Administrator during investigations. Served as the FAA spokesperson at three NTSB Public Hearings involving fatal commercial aviation accidents.

Assistant Inspector General for Aviation Audits– August 2010 to May 2014

U.S. Department of Transportation (DOT); Office of Inspector General; Washington, DC

Provided executive-level oversight of 90 auditors and staff at DOT Headquarters and three regional offices who conduct formal programmatic reviews of FAA programs, including those involving oversight of pilot training, air traffic control staffing, NextGen modernization efforts, airport revenue, and aircraft certification. Testified before Congress regarding FAA safety programs on three occasions. Represented the agency in all interactions with the FAA Administrator, his senior staff, and Congressional staff responsible for oversight and appropriations of FAA operations. Signed and issued 42 formal aviation audits reports regarding FAA programs.

Deputy Director - Regional Operations – September 2002 to August 2010

U.S. National Transportation Safety Board; Office of Aviation Safety; Washington, DC

Managed all ten NTSB regional offices (62 investigators and staff) responsible for the investigation, analysis, and probable cause determination of about 1,600 general aviation accidents and incidents each year. Drafted safety recommendations to improve operations in all facets of aviation. Served as a full deputy and key advisor to the Director of the NTSB Office of Aviation Safety. Developed training and provided instruction for the NTSB Basic Aircraft Accident Investigation Course. Selected to advise the Columbia Accident Investigation Board in 2001 involving the Space Shuttle Columbia disaster.

Senior Air Safety Investigator (Major IIC) – April 2000 to September 2002

U.S. National Transportation Safety Board; Office of Aviation Safety; Washington, DC

Assigned to the NTSB Major Investigations Division as an investigator-in-charge (IIC) and U.S. accredited representative for numerous domestic and international air carrier accidents and incidents. Led teams of investigators from the FAA, airlines, unions, manufacturers, and others to examine wreckage, determine courses of action, identify safety issues, and propose recommendations.

Aerospace Engineer (Airworthiness) – April 1998 to April 2000

U.S. National Transportation Safety Board; Office of Aviation Safety; Washington, DC

Assigned as the team leader (“group chairman”) for aircraft systems, powerplants, structures, maintenance records, and/or airworthiness groups on the NTSB’s “go team” during numerous investigations of domestic and foreign air carrier and business jet accidents/incidents. Drafted comprehensive factual reports documenting the engineering aspects of accidents/incidents. Examples include leading the airworthiness investigation into the fatal Alaska Airlines flight 261 accident that occurred near California in January 2000, and the accident involving John F. Kennedy, Jr. in 1999.

Air Safety Investigator (Field) – September 1992 to April 1998

U.S. National Transportation Safety Board; Office of Aviation Safety

Northeast Field Office (Wash. DC) & Northwest Regional Office (Seattle, WA)

Assigned as the investigation-in-charge (IIC) of over 300 investigations of general aviation aircraft accidents not investigated by centralized go-teams, including over 50 accidents involving fatalities. Directed all on-scene activities including coordination with FAA, local, state, and Federal authorities. Also served as the NTSB representative on the FAA’s Critical Design Review team for the Boeing 737 flight control system following the USAir flight 427 accident near Pittsburgh, Pennsylvania in 1994.

Air Safety Investigator – February 1991 to August 1992

Cessna Aircraft Company; Air Safety Department; Wichita, Kansas

Participated in 45 accident/incident investigations involving piston and turbine-powered Cessna airplanes. Represented Cessna as a party coordinator to NTSB investigations. Provided technical assistance to FAA aviation safety inspectors and NTSB regional investigators. Liaisoned with Cessna’s engineering department on matters related to safety. Represented the company during field investigations, wreckage exams, engine inspections, and other inquiries.

Aerospace Engineer (Aircraft Systems Safety) – June 1987 to January 1991

U.S. Naval Air Systems Command; Crystal City, Virginia

Assigned to the U.S. Navy’s Aviation System Safety Program Office as a systems safety engineer. Investigated and analyzed Navy and Marine Corps airplane and helicopter accidents/incidents to provide meaningful technical inputs and engineering resolutions of identified safety hazards. Developed safety engineering requirements for aircraft procurement in accordance with *MIL-STD-882C*. Managed efforts of system safety engineering program managers located at seven naval aviation rework facilities.

PROFESSIONAL MEMBERSHIPS

International Society of Air Safety Investigators
 Vertical Aviation International
 International Association of Independent Corporate Monitors
 Vertical Aviation International

SELECTED RECENT CONSULTING PROJECTS COMPLETED

References Available upon Request

University of Southern California – Developed curriculum for an additional day of course work for the Aircraft Incident/Accident Preparation course, including a classroom exercise to simulate an aircraft accident notification. 2022.

U.S. Department of Transportation – Transportation Safety Institute – Adjunct instructor for courses addressing witnessing interviewing, safety management systems, and aircraft accident investigation.

U.S. Department of Justice – Served as the lead expert witness and testified at a criminal trial for the Government in *United States v. Hansen Helicopters*. Defendant found guilty on all counts. 2020-2022.

National Academies of Sciences, Engineering, and Medicine – Contributor and team writer for “*Evaluation of the Transport Airplane Risk Assessment Methodology*.” 2022.

CH Reality-IX-MC / Riverside Perris Airport Center, LP – Conducted a safety assessment of the Perris Valley Airport (Perris Valley, California) with respect to potential wind and weather effects from a proposed industrial project adjacent to the airport. 2024.

PUBLICATIONS (PREVIOUS 10 YEARS)

Technical Papers Presented

“*Alliance or Rebellion: Linking Efforts of State Safety Oversight Agencies*.” Presented at the 2016 International Society of Air Safety Investigators Seminar in Reykjavík, Iceland.

“*Why it Makes a Difference to Report and Investigate UAS Incidents ... Even When They Don’t Really Happen*.” Presented at the 2017 International Society of Air Safety Investigators Seminar in San Diego, California.

<https://www.esasi.eu/program/technical-program/thursday-20-october>

“*Evaluation of the Transport Airplane Risk Assessment Methodology*.” National Academies of Sciences, Engineering, and Medicine. 2022. Contributor. Presented at the 2002 American Institute of Aeronautics and Astronautics Aviation Forum, July 28, 2022.

<https://nap.nationalacademies.org/catalog/26519/evaluation-of-the-transport-airplane-risk-assessment-methodology>

Trade Magazine/News Media Articles Authored

“*The Insider Threat of Mental Health Problems in Aviation*,” Transportation Security International Magazine. December 21, 2023.

<https://www.tsi-mag.com/the-insider-threat-of-mental-health-problems-in-aviation/>

“*The Deadliest Crash: Flight 191 and its Maintenance Legacy*.” Aviation Maintenance Magazine. Dec. 19, 2023.

<https://www.avm-mag.com/the-deadliest-crash-flight-191-and-its-maintenance-legacy>

“*A Loose Bolt and Lives Lost: The Crash of Emery Flight 17*.” Aviation Maintenance Magazine. July 25, 2023.

<https://www.avm-mag.com/a-loose-bolt-and-lives-lost-the-crash-of-emery-flight-17/>

“Shift Change Tragedy.” Aviation Maintenance Magazine. May 9, 2023.

<https://www.avm-mag.com/shift-change-tragedy/>

“Spotlight on Spaceports: Challenges with Establishing Commercial Space Launch Sites.” Aerospace Tech Review Magazine. October 18, 2022.

<https://aerospacetechnology.com/spotlight-on-spaceports-challenges-with-establishing-commercial-space-launch-sites/>

“The Day the Nine-o-Nine Died.” Aviation Maintenance Magazine. August 30, 2022.

<https://www.avm-mag.com/the-day-the-nine-o-nine-died>

“Faster than a Speeding Aircraft: Advances in Flight Test Telemetry” Aerospace Tech Review Magazine. April 22, 2022. <https://aerospacetechnology.com/faster-than-a-speeding-aircraft-advances-in-flight-test-telemetry/>

“A Tale of Two Helicopters.” Aviation Maintenance Magazine. March 2, 2022.

<https://www.avm-mag.com/a-tale-of-two-helicopters>

“Wired for Safety: Preventing Fires by Checking Wires.” Aviation Maintenance Magazine. September 12, 2021.

<https://www.avm-mag.com/wired-for-safety-preventing-fires-by-checking-wires/>

“Preparing for the Worst-Case Scenario: The Importance of an Emergency Response Plan.” Transportation Security International. July 11, 2021.

<https://www.tsi-mag.com/preparing-for-the-worst-case-scenario-the-importance-of-an-emergency-response-plan/>

“B767 Fuel Leak & Fire: Pre-COVID Lessons for Post-Covid Returns to Service.” Aviation Maintenance Magazine. June 12, 2021.

<https://www.avm-mag.com/b767-fuel-leak-fire-pre-covid-lessons-for-post-covid-returns-to-service>

“The ABCs of UAM Infrastructure.” Aerospace Tech Review Magazine. February 27, 2021.

<https://aerospacetechnology.com/the-abcs-of-uam-infrastructure-if-you-dont-build-it-they-wont-come-by-jeff-guzzetti/>

“Fire ! Left Engine ! - How Short Cuts to Procedures Led to a Near-Disaster.” Aviation Maintenance Magazine. November 22, 2020.

<https://www.avm-mag.com/fire-left-engine-how-short-cuts-to-procedures-led-to-a-near-disaster>

“The Indonesia 737Max Accident: How Improper Maintenance Allowed a Fatal Design Flaw.” Aviation Maintenance Magazine. September 29, 2020.

<https://www.avm-mag.com/the-indonesia-737-max-accident-how-improper-maintenance-allowed-a-design-flaw-to-be-fatal>

“Bad Things Come in 3s: The FedEx MD-10 Accident in Ft. Lauderdale.” Aviation Maintenance Magazine. July 19, 2020.

<https://www.avm-mag.com/bad-things-come-in-3s-the-fedex-md-10-accident-in-ft-lauderdale>

“Maintenance is a Team Sport. Aviation Maintenance Magazine. May 16, 2020.

<https://www.avm-mag.com/maintenance-is-a-team-sport-by-jeff-guzzetti>

“From a C-check to Tragedy: Lessons Learned from Alaska flight 261.” Aviation Maintenance Magazine. March 31, 2020. <https://www.avm-mag.com/from-c-check-to-tragedy-lessons-learned-from-alaska-flight-261/>

“Fatigue, Work Cards and Lock Nuts: A Recipe for Tragedy.” Aviation Maintenance Magazine. January 17, 2020. <https://www.avm-mag.com/fatigue-work-cards-and-lock-nuts-a-recipe-for-tragedy>

“Cracks in the System.” Aviation Maintenance Magazine. November 21, 2019

<https://www.avm-mag.com/cracks-in-the-system>