

Bruno I. da Silva

June 22nd, 2025

232 2nd St, 33441
Deerfield Beach, FL, US

+1 (954) 352-8545
israelbis@yahoo.com.br

EDUCATION

Master of Science in Aerospace Sciences (Flight Safety focus), 2025 (GPA 3.87)
Brazilian Air Force University (UNIFA), Rio de Janeiro, RJ, Brazil.

Graduate Certificate in Air Force Command and Staff Course, 2022. (GPA 4.00)
Brazilian Air Force Command and Staff College (ECEMAR), Rio de Janeiro, RJ, Brazil

Graduate Certificate in Strategic Planning and Management, 2021 (GPA 4.00)
Getúlio Vargas Foundation (FGV), Rio de Janeiro, RJ, Brazil

Bachelor's Degree in Aeronautical Sciences (Military Aviation focus), 2004. (GPA 3.40)
Brazilian Air Force Academy (AFA), Pirassununga, SP, Brazil

PROFESSIONAL EXPERIENCE

Head of the Technical Demands Subdivision (2024 – 2025)
Brazilian Air Force Logistics Center (CELOG), São Paulo, SP, Brazil.

- Managed \$104M+ annual logistics and procurement budget across aeronautical units including international commissions and Maintenance Repair and Overhaul Organizations.
- Coordinated 2,836 procurement requests in 2024, achieving 68% successful contract closures and maintaining a 93.67% operational service rate.

Head of the Investigation Division (2015 – 2022)
Seventh Regional Air Accident Investigation and Prevention Service (SERIPA VII), Manaus, AM, Brazil.

- Led 50+ aircraft accident investigations across the Amazon Jungle (26% of Brazil territory).
- Collaborated with international aviation safety authorities (NTSB, EASA, TSB, BEA) and OEMs (Embraer, Boeing, Safran, Eurocopter, Honeywell).
- Spearheaded the implementation of the ADREP/ECCAIRS reporting system.
- Delivered Crew Resource Management (CRM) and aviation safety training to over 1,000 aviation professionals.
- Achieved ISO 9001:2015 certification for investigation protocols and processes.

Aviator Officer (Lt. Col.) / Instructor & Examiner Pilot / Flight Safety Officer (1999 – Present)
Brazilian Air Force, Brazil.

- Flew over 3,000 flight hours on C-130/KC-130, Embraer 120, and Cessna 208B aircraft.
- Holds ICAO Airline Transport Pilot License since 2011, currently rated on Embraer 120 type.
- Senior Flight Safety Officer with extensive experience in investigations, risk assessment, and safety program management.
- Developed operational safety strategies focused on risk mitigation and safety culture enhancement.
- Conducted international missions in 15 countries, including multinational and combined operations.
- Led teams in airlift operations, search and rescue, inflight refueling and logistics transport.

RESEARCH EXPERIENCE

Reducing Subjectivity in Flight Safety: An Analysis of the Recommendations Issued by CENIPA from the Perspective of Academic Literature. (2025)

Master's Thesis, Advisor Professor Dr. Carlos Eduardo Valle.
Brazilian Air Force University (UNIFA), Rio de Janeiro, RJ, Brazil.

Safety Recommendations Issued by CENIPA: A Multicriteria Analysis. (2023)

Scientific Article, Advisor Professor Cássio de Souza Neto Gonçalves.
Brazilian Air Force Command and Staff College (ECEMAR), Rio de Janeiro, RJ, Brazil.

The Use of Lightweight Data Recorders as a Tool for Preventing Aeronautical Accidents in General Aviation: Analyzing Data to Save Lives. (2021)

Academic Essay, Advisor Professor Ms. Luciana Chamon Silveira.
Getúlio Vargas Foundation (FGV), Rio de Janeiro, RJ, Brazil.

Situational Awareness During Approach and Landing Phases and Flight Safety: A Matter of Doctrine (2016)

Course Final Project, Advisor Professor Paulo Henrique de Oliveira Leite.
Brazilian Air Force University (UNIFA), Rio de Janeiro, RJ, Brazil.

TECHNICAL SKILLS

Aircraft accident investigation; development and evaluation of Flight Safety Recommendations; Safety Management Systems implementation and auditing; operational risk assessment and hazard identification; Flight Data Monitoring and safety data analysis; Human Factors and systemic safety analysis; CRM and TEM/LOFT methodologies; Technical writing of safety reports and investigative documents; Use of investigation systems and databases; Mission planning and execution in tactical aviation operations; Knowledge of ICAO Annex 13, FAA regulations, and Brazil's civil aviation framework.

AWARDS AND SCHOLARSHIPS

Graduate Fellowship (2022)

Awarded admission through national selection, ranked 2nd overall. UNIFA, Ministry of Defense, Brazil.

Amazon Region Service Medal (Order of the Chestnut Tree) (2022)

Awarded by the Brazilian Army for distinguished service in military units located in the Amazon region.

Military Service Medal – 20 Years (2019)

Awarded by the Brazilian Air Force for twenty years of exemplary military service.

SIPAER Merit Medal – 10 Years (2018)

Granted by the Aeronautical Accident Investigation and Prevention Center (CENIPA) for a decade of significant contributions to aviation safety and accident prevention in Brazil.

Military Service Medal – 10 Years (2009)

Awarded by the Brazilian Air Force for a decade of honorable military service.

Undergraduate Fellowship (2001)

Awarded admission through national selection. AFA, Ministry of Defense, Brazil.

CONFERENCE ACTIVITY

“General aviation accidents and contributing factors”. Lecture delivered at the General Aviation National Meeting, Congonhas Airport, AENA, São Paulo, Brazil, 2024. **(Invited Speaker)**

“Stabilized Approach in Military Aviation”. Lecture delivered at the 1st Squadron of the 9th Aviation Group (1º/9º GAv) Safety Symposium, Brazilian Air Force, Manaus, Brazil, 2020. **(Invited Speaker)**

“Stabilized Approach in Military Aviation”. Lecture delivered at the 7th Air Transport Squadron (7º ETA) Safety Symposium, Brazilian Air Force, Manaus, Brazil, 2020. **(Invited Speaker)**

"Stabilized Approach and Situational Awareness in Military Operations." CRM Ground Course, 1st Squadron of the 9th Aviation Group (1º/9º GAv), Brazilian Air Force, 2019. **(Invited Speaker)**

"SIPAER Initial Response to Aviation Accidents." Lecture delivered at Safety Seminar, Eduardo Gomes International Airport, INFRAERO, Manaus, Brazil, 2018. **(Invited Speaker)**

"Unintentional IMC: Risks and Prevention in Military Aviation." Lecture delivered at XI Safety Symposium, 4th Army Aviation Battalion, Brazilian Army, Manaus, Brazil, 2018. **(Invited Speaker)**

"Threat and Error Management (TEM) and Line Oriented Flight Training (LOFT)." CRM Ground Course, Porto Velho Air Base, Brazilian Air Force, Porto Velho, Brazil, 2016. **(Facilitator)**

PUBLICATIONS

Refereed Journal Articles

Rosa, C. E. V.; Silva, B. I.; “Lightweight Flight Data Recorders in General Aviation: A Strategic Tool for Accident Investigation and Prevention”, Brazilian Journal of Civil Aviation & Aeronautical Sciences, 2024, 4(2), p. 46-65.

Manuscript in Preparation

Silva, B. I.; “Safety Recommendations in Complex Systems: A Theoretical and Operational Analysis Based on Aviation Safety Investigations”.

Safety Bulletins and Educational Publications

- Silva, B. I. (2021). Unstable Approach. SERIPA VII Bulletin.
- Silva, B. I. (2021). Fatigue and Loss of Consciousness. SERIPA VII Bulletin.
- Silva, B. I. (2020). Unapproved Parts. SERIPA VII Bulletin.
- Silva, B. I. (2020). Windshear Operations. SERIPA VII Bulletin.
- Silva, B. I. (2020). Operations on Unregistered Runways. SERIPA VII Bulletin.
- Silva, B. I. (2019). Controlled Flight Into Terrain (CFIT). SERIPA VII Bulletin.
- Silva, B. I. (2019). Checklist Use in Aviation. SERIPA VII Bulletin

Technical Publications (Investigation Reports)

Author of more than 50 SIPAER Draft Investigation Reports under Brazil’s Aeronautical Accident Investigation and Prevention System, covering general aviation, military, and commercial aircraft accidents between 2015 and 2022. Selected cases include: PT-VFW (2020), PP-FLF (2020), PR-ENZ (2020), YV2937 (2018), PT-KEI (2017), PR-PAZ (2015).

EXPERIENCE ABROAD

Air Accident Investigation Audit – Chilean Air Force (2021)
Invited by the Chilean Air Force as an external auditor for the safety investigation of a C-130 Hercules accident. Conducted technical analysis and evaluated compliance with ICAO standards (Annex 13).
Punta Arenas, Magallanes and Chilean Antarctic Region, Chile.

Multinational Personnel Recovery Exercise “Angel Thunder” – Airlift Pilot (C-130) (2013)
Participated as a C-130 pilot in the largest personnel recovery exercise in the world, led by the U.S. Air Force. Conducted tactical airlift missions under joint and combined operations framework.
Davis-Monthan Air Force Base, Tucson, AZ, United States.

Multinational Exercise “Salitre” – Inflight Refueling Pilot (KC-130) (2013)
Participated as KC-130 tanker pilot during multinational aerial refueling operations. Executed interoperability training missions with allied air forces from South America and the United States.
Base Aérea Cerro Moreno, Antofagasta, Antofagasta Region, Chile.

COMPLEMENTARY EDUCATION

Judicial Expert Training Course (21 hours) (2020)
Brazilian Institute of Judicial Expertise, Brasília, DF, Brazil.

Quality Auditors Training (36 hours) (2019)
Institute for Promotion and Industrial Coordination – IFI, São José dos Campos, SP, Brazil.

Workshop on ADREP/ECCAIRS Systems for SAM Region (32 hours) (2018)
International Civil Aviation Organization (ICAO), Brasília, DF, Brazil.

Safety Management System for Civil Aviation Service Providers (40 hours) (2016)
Brazil’s Civil Aviation Agency (ANAC), Brasília, DF, Brazil.

Aircraft Accident Investigation - Massive Open Online Course (2015)
Embry-Riddle Aeronautical University – Worldwide Campus.

AFFILIATIONS

International Society of Air Safety Investigators (ISASI) – Full Member, Sterling, VA, US
Latino Pilots Association (LPA) – Member, St. Augustine, FL, US.