



**Stephen Carbone**  
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## **SUMMARY**

To employ 4 decades of aviation safety experience in the Title 14 CFR Part 121 industry, FAA and NTSB service to increase the safety and efficiency of aviation industry certificate holders. Employ root cause analysis to hone investigation findings into more effective, safety-focused results and improvements.

## **TOP SKILLS**

- Aviation Safety and Oversight: Title 14 CFR Part 121-Domestic, Flag and Supplemental Operators, Part 129-Foreign Air Carrier; Part 135-Commuter and On-Demand (9-or-less/10-or-more); Part 145-Repair Stations, with special emphasis on training and cultural issues.
- Airworthiness/Aircraft Maintenance: trained and maintained Trunk Aircraft: B727, DC-10, MD-11, A300 and A310 aircraft in Hangar and Line maintenance environments.
- Aircraft accident investigation: focused on managing all aircraft type investigations. Directed aircraft maintenance/certificate holder investigations. Scrutinized aviation ramp procedures; Part 121 and Part 129 cargo; passenger operations; maintenance facilities; Health Emergency Medical Services helicopter operations; Part 121 and 135 hangar auditing and investigation; Part 145 Repair Station oversight, auditing and investigations.

## **EXPERIENCE**

### **Federal Aviation Administration – May 2004 to January 2022**

Washington, DC, Oklahoma City, OK, Boston, MA, Dulles, VA, Greenville, SC

#### **Tech Specialist/Investigator/Course Manager-Instructor,**

Supervised active Eastern Region certificate holder investigations. Managed/conducted aviation safety and whistleblower investigations that focused on industry and internal FAA office audits. Provided field support for safety inspectors overseeing Part 145 Repair Stations, Part 121 and 135 operations. FAA National Resource Specialist and Headquarters Point of Contact for Air Cargo. Department of Defense liaison for Part 121 and 135 Civil Reserve Air Fleet audits. Designed, wrote and/or delivered FAA-approved courses at the Oklahoma City FAA Academy, including Extended Twin-engine Operations, Air Cargo and Part 145 Certification. Conducted enroute and operator ramp safety inspections.

### **National Transportation Safety Board – August 2001 to May 2004**

Washington, DC

#### **Major Aircraft Accident Investigator,**

Sole Airframe and Powerplant FAA-certificated NTSB major accident investigator. Lead investigator running major accident maintenance groups. NTSB air cargo point of contact. NTSB aircraft maintenance point of contact. Liaison to international investigations in Colombia and Taiwan. Authored Factual and Analysis reports on accident findings. Designed, wrote and delivered aircraft maintenance accident investigation course for NTSB Academy. Assisted other investigators in accident investigations as aircraft maintenance specialist. Wrote procedures for conducting maintenance investigations for major accidents.

## **FedEx Express – September 1982 to August 2001**

Newark, NJ, Omaha, NE, Memphis, TN

### **Cargo Handler/Aircraft Mechanic/Line Manager,**

1982-1987: Opened FedEx's European gateway at JFK airport. Supervised the loading/unloading of narrow and wide-body airliners. Instructed ramp personnel on ramp equipment, international freight, loading procedures, hazardous materials, weight and balance. Oversaw contract crews for international flight loads.

1987-1997: Trained on and performed aircraft maintenance on all FedEx trunk aircraft, e.g., B727, A300, DC-10, A310 and MD-11 in Memphis and Omaha/Eppley Airfield airports. Deiced aircraft.

1997-2001: Managed 35 mechanics covering 50 flights on 22 gates at FedEx's Newark east coast freight hub. Safety supervisor for several hundred ramp employees.

## **EDUCATION**

Academy of Aeronautics, Flushing, NY – Airframe and Powerplant certification; Associates degree in Aeronautical Sciences. Graduated: August 1986.

Embry Riddle Aeronautical University, Offutt Air Force Base, NE – Bachelor of Arts degree in Professional Aeronautics. Graduated: May 1997.

Embry Riddle Aeronautical University, McGuire Air Force Base, NJ – Graduate degree in Aviation Safety Systems. Graduated: April 2001.

## **TRAINING**

All fleet types for FedEx in maintenance and troubleshooting.

NTSB Accident Investigator training.

FAA training as an Aviation Safety Inspector in all Airworthiness specialties.

## **AUTHOR**

### Magazine Articles:

Aircraft Maintenance Magazine [www.avm-mag.com](http://www.avm-mag.com)

AMT Magazine (Aviation Pros) [www.aviationpros.com](http://www.aviationpros.com)

### Fiction:

Air Crash Files: Jet Blast (2014)

Air Crash Files: Thermal Runaway (2017)

Air Crash Files: Flameout (in work)

### Non-Fiction:

Aircraft Accidents and Lessons Unlearned: How to Effectively Fix the Aviation Industry (in edit at Bluewater Press)

## **WEBSITES**

<https://www.acmx-safety-pros.com>

<https://www.danieltenace.com>

<https://www.aviationlessonsunlearned.com>