BLACKBIRD FOR TRAINING

# Aviation Safety & Accident Investigation

13 – 17 December 2026
Tunis (Tunisia)



# Aviation Safety & Accident Investigation

**Ref:** 328728_226406 **Date:** 13 – 17 December 2026 **Location:** Tunis (Tunisia) **Fees:** 4200 GBP

## Why This Course

Aviation safety is the foundation of every successful air operation.

Understanding how and why accidents occur — and how to prevent them — is vital for ensuring operational excellence, regulatory compliance, and public trust.

This intensive program provides participants with a structured overview of aviation safety principles and accident investigation methodologies, aligned with ICAO Annexes 13 and 19. Through real-world case studies and simulation exercises, participants will gain the skills to identify hazards, investigate incidents, and promote a strong safety culture within their organizations.

## What You'll Learn and Practice

By joining this program, you will:

- Understand international standards and frameworks for aviation safety and investigation.
- Learn to conduct systematic accident and incident investigations.
- Strengthen analytical and root cause identification skills.
- Gain insight into human and organizational factors affecting aviation safety.
- Develop strategies to enhance safety culture and prevent future occurrences.

## The Program Flow

### Day 1: Aviation Safety Foundations

- The importance of aviation safety in global operations.
- ICAO safety standards: Annex 13 Accident Investigation and Annex 19 Safety Management Systems.
- Components of Safety Management Systems SMS: policy, risk, assurance, and promotion.
- Case study: analyzing lessons learned from a major aviation accident.

### Day 2: Human and Organizational Factors in Safety

- The role of human performance in incidents and accidents.
- Understanding the SHELL model and the Swiss Cheese Theory.
- Teamwork, communication, and fatigue management in aviation operations.
- Workshop: evaluating human factors in a flight and maintenance scenario.



### Day 3: Accident Investigation Process and Techniques

- Legal basis, objectives, and scope of accident investigation.
- Steps of investigation: notification, on-site evidence collection, analysis, and reporting.
- Data collection tools: interviews, photographs, flight data recorders FDR/CVR, and documentation.
- Simulation: conducting an on-site accident investigation and evidence review.

### Day 4: Analysis, Root Cause Identification, and Reporting

- Techniques for identifying immediate and root causes.
- Using analytical tools: Fault Tree Analysis FTA and 5 Whys Method.
- Structuring factual and analytical investigation reports.
- Practical exercise: writing and presenting a mock investigation report.

### Day 5: Safety Culture and Continuous Improvement

- The role of leadership in building and sustaining a safety culture.
- Promoting a “Just Culture” and effective safety reporting systems.
- Integrating investigation findings into operational training and risk management.
- Action planning: developing a post-course aviation safety improvement roadmap.

## Individual Impact

- Build a solid understanding of safety management and investigation frameworks.
- Strengthen analytical and decision-making capabilities in safety events.
- Develop professional competence in reporting and safety communication.
- Gain the confidence to contribute proactively to accident prevention efforts.
- Enhance credibility as a safety-conscious aviation professional.

## Work Impact

- Improve aviation safety oversight and compliance with international standards.
- Strengthen incident and accident investigation capabilities.
- Enhance operational resilience through systematic risk management.
- Foster a culture of learning, accountability, and continuous improvement.
- Build trust among regulators, stakeholders, and the flying public.

## Training Methodology

This program emphasizes practical, scenario-based learning with a balance of theory, discussion, and simulation.

Learning methods include:



- Real-world aviation case studies and investigation reports.
- Group exercises on human factors and risk analysis.
- On-site accident investigation simulations.
- Root cause analysis and reporting workshops.
- Interactive discussions and peer review of investigation outcomes.

## Beyond the Course

Upon completion, participants will be equipped to apply international best practices in aviation safety management and accident investigation.

**They will leave with practical skills to conduct investigations, identify systemic risks, and contribute to a stronger, safer aviation industry.**

