

Aircraft Accident Investigation Process & Procedures – 3 Days

Introduction

The purpose of this 3-day in-depth training is to consider the roles, responsibilities, and obligations related to the process of accident investigation including an understanding of the different philosophies. This course will provide you with a detailed and basic understanding of the process of aircraft accident investigation and timeline construction process Aircraft accident and incident investigations typically calls on a multi-discipline approach to fact-finding reconstruction and determination, typically supported by subject matter experts in design, manufacturing, certification, together with in-service operation and maintenance. As a representative or stakeholder who is active in observing or supporting the process, it is essential to have a strong understanding of aircraft accident investigation and reconstruction methodology.

Who is the course for?

It is for anyone with an interest to get deeper into the fundamentals of Aircraft Accident Investigation. The course is intended to provide participants with the basic tools by which they will be able to provide for and perform an investigation on organisational accidents, incidents, and other safety-related issues. Industry personnel who are wishing to achieve an overview of the various techniques, processes, and related understanding of human factors related to event analysis.

Airline Operational, Safety Management System, and Quality Staff who wish to achieve an understanding of the investigation process which provides you with the knowledge to support and participate in a formal investigation. CAA administrations, airport authorities, air navigation service providers (ANSP), and other related aviation organisations and stakeholders.

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

What is the Benefit of this Training – What will I learn?

- a) To achieve an understanding related to the investigation methodology to ensure compliance with legislation, regulations, and national requirements.
- b) How to gather, manage, catalog, and ensure the integrity of the evidence
- c) Consider the impact of the operational and technical environment required to support the investigation
- d) Identify the key requirements and steps in the investigation process.
- e) Be able to assess human factor involvement throughout the chain of events
- f) Understand Certification and assessment related to crashworthiness
- g) Review methodologies associated with evaluation and analysis
- h) Understand the timeline construction process
- i) How to analyze evidence – due diligence and root cause determination.
- j) The construction of a final report which complies with the required framework

Detailed Content / Topics - The following Subjects will be addressed

Day 1

- Abbreviations & Definitions
- The Goals and Objectives of Aircraft Incident Investigations
- Regulatory Background ICAO / EASA
- ICAO Annex 13 Introduction and Associated Documents
- ICAO Annex 19 & Components of an SMS System
- Introduction to the Task of Aircraft Accident Investigation
- Case Study No 1 (Optimised for Course Participants)
- Preparation and Independence
- Safety Management Fundamentals related to ICAO Annex 13
- Aircraft Certification Crashworthiness and Survivability

Day 2

- Considering the Legal Requirements for Incident Investigation and Reporting
- Investigation -Key Stages Review Fact Finding, Analysis, Conclusions, Recommendations, Final Report
- Case Study No 2 (Optimised for Course Participants)
- Managing Accident & Incident Data Sources
- Analysis of the Data typical Methods and Techniques
- Choosing the Investigation Model to Support this Event
- Advanced Analytical Procedures
- The Use of Reconstruction Techniques
- Building Conclusions Based on Analysis
- How to Approach Contributory Factors, Risk and Severity

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Detailed Content / Topics - The following Subjects will be addressed

Day 3

- How We Measure and Categorize Risk
- Human Factors Considerations and Integration into the Aircraft Accident Analytical Process.
- Interview Preparation Techniques and Methods
- Investigator Responsibilities and Reporting Obligations
- Considering Mitigations and Recommendation Proposals
- Case Study No 3 (Optimised for Course Participants)
- Developing an Objective Report
- General Debrief and Close

Target Groups

Airline Operational, Safety Management System and Quality Staff, CAA administrations, airport authorities, air navigation service providers (ANSP), and other related aviation organisations and stakeholders.

Pre-requisites

Participants should have a strong aviation operational or technical background together with a functional understanding of the aviation industry. Delegates should bring their Laptops as part of the training program.

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Learning Objectives

Understanding the fundamental principles and concepts of aircraft accident investigation, including the roles and responsibilities of the investigation team, regulatory requirements, and international standards.

Acquiring knowledge of the methodologies and techniques used in aircraft accident investigation, including evidence collection and preservation, data analysis, human factors analysis, and report writing.

Developing the skills necessary to effectively participate in or manage an aircraft accident investigation, including conducting interviews, analyzing findings, identifying contributing factors, and implementing recommendations for prevention and safety enhancement.

What do People Say about Sofema Aviation Services Training?

"I found satisfying answers to all my questions."

"The instructor demonstrated a very deep knowledge of the subject."

"The length of the course fits my needs and expectations."

"The content was really effective, I gained a lot of new knowledge."

"The practical examples were perfectly delivered."

Duration

3 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.

To register for this training, please email team@sassofia.com or Call +359 28210806

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand