



AIRCRAFT ACCIDENT INVESTIGATION TECHNIQUES AND MANAGEMENT

- ▶ **DURATION** : 10 Days.
- ▶ **LANGUAGE** : English.

▶ **TARGET POPULATION**

This course is recommended for Personnel involved in accident investigations from:

- Civil aviation authorities;
- Airport authorities;
- Air navigation service providers;
- Airlines;
- Accident investigation agencies and related aviation organizations;
- Chief Accident Investigator.

▶ **INTRODUCTION**

The Advanced Accident (Incident) Investigation course provides participants with the knowledge, skills, and resources necessary to thoroughly investigate work-related accidents and injuries.

In addition to the proper conduct of accident investigations, participants will be guided through exercises designed to help calculate the cost of an accident, preparation, and analysis of accident reports, eyewitness interviewing techniques, systems for cause analysis, proper closeout of investigations, and related legal issues.

▶ **COURSE OBJECTIVE**

By the end of this course, participants will be able to demonstrate understanding of:

- Develop the knowledge and skills required to investigate all adverse events;
- Understand the causes of accidents and ill-health;
- Understand the elements that combine to form an accident;
- Develop confidence & professionalism in investigating, interviewing & reporting;
- Ensure all employees & contractors are aware of the SMS and 'Safety Culture';
- Apply the legal requirements and company procedures.

▶ **COURSE CONTENT**

The following subjects will be addressed:

- Safety Management Systems:
 - Safety concepts;
 - Cost of risk;
 - Safety Program;
 - Safety Policy letter;



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- Aviation safety program evaluation;
 - Safety committee preparation;
 - Safety committee agenda;
 - Safety education and training;
 - Safety inspection program;
 - Legal aspects.
 - Aircraft Accident Prevention:
 - Introduction;
 - Aviation safety survey;
 - Roles and functions;
 - Accident prevention concepts;
 - Accident prevention activities;
 - Planning accident prevention program;
 - Record keeping;
 - Accident and Incident statistics;
 - Airport safety committee;
 - Preventive organizations.
 - Coordination with Various Departments:
 - Coordination with Civil Defense;
 - Coordination with police;
 - Coordination with various Government department.
 - Aircraft Accident Investigation:
 - Introduction to Aircraft Accident Investigation
 - Definitions;
 - Objective of the investigation;
 - The investigators;
 - Authority and responsibility;
 - Notification;
 - Participation in the investigation;
 - Planning the investigation;
 - Initial actions;
 - Actions at the accident site.
 - Investigation techniques and reporting
 - Principles of investigation;
 - Flight recorders (FDR & CVR);
 - Structural investigation;
 - Power plant investigation;
 - Systems investigations;
 - Human factors investigation;
 - Reporting occurrence (ADREP reporting).



AIRPORTS COUNCIL INTERNATIONAL AFRICA

- Accident investigation measures:
 - The final report;
 - Case studies.
- Field Exercise When possible:
 - Aircraft accident / incident Investigation field exercise.