

# Occurrence Investigation Fundamentals in SMS Course

## Course Overview

This training program aims to equip relevant aviation safety professionals with the fundamental knowledge and skills to investigate aircraft occurrences within an operator's Safety Management System (SMS).

As part of Safety Risk Management training the aim of the course is to enhance the identification of causes and implementation of robust preventative measures of occurrences. Our experienced instructors will guide participants through a blend of interactive lectures, classroom exercises, and real-world case studies.

## Course delivery mode

Physical classroom

Virtual classroom

## Target Group

The following Air Operator and Aircraft Maintenance Organisation personnel:

- ✓ Safety managers and officers
- ✓ In-house occurrence investigators
- ✓ Air Operator emergency response personnel (go team, Crisis Management Centre (CMC) team, Local Incident Command Centre (LIACC) team)
- ✓ Auditors who audit organisations' SMS

## Prerequisites

- ✓ Participants should have preferably completed the Aerosafe Safety Management Systems for Managers course (5 days)

- ✓ Recommended level: this is an intermediate level SMS course.
- ✓ Computer skills: working knowledge of office productivity software.

## Instructional Delivery Methods

- ✓ Classroom lectures
- ✓ Course notes
- ✓ Practical Exercises
- ✓ Case study

## Duration

Total of 18 hours of in-class training (3 days)

## Required Materials

Participants must bring to class a laptop which has functional office productivity software (Microsoft 365/Google Workspace etc.) and internet connection capability.

## Course Qualification Standards

- ✓ Successful completion of case study and exercises
- ✓ Exam – 70% pass mark

## Course Content

- 1) Introduction to the course
- 2) Definitions and Occurrence Taxonomy
- 3) ICAO and KCARs Requirements.
- 4) Handling Occurrences within the SMS
- 5) Objective and process of investigation.
- 6) Investigation Authority, Responsibility and Roles.
- 7) Reporting of occurrences.
- 8) Participation in the investigation.
- 9) Initial actions and site safety.
- 10) Handling of recorders (FDR & CVR).
- 11) Aircraft Systems investigation overview.
- 12) Human factors investigation overview.
- 13) Investigation Reports.

## Contact Details



MAF Hangar- 2nd Floor, Wilson Airport, Nairobi.



+254 705 152 401 / + 254 753 152 401



ops@aerosafrica.com / aerosafrica@gmail.com



[www.aerosafrica.com](http://www.aerosafrica.com)



[www.linkedin.com/company/aerosafe-africa-consultants](http://www.linkedin.com/company/aerosafe-africa-consultants)