

# Aircraft Disinfestation & Disinfection – Comprehensive Course - 3 Days

## Introduction

The comprehensive 3-Day Course is meticulously designed to provide aviation professionals with an extensive understanding and practical expertise in managing effective aircraft hygiene practices.

Throughout this comprehensive training, participants will explore critical regulatory frameworks set forth by ICAO Annex 9, EASA guidelines, and WHO public health recommendations. The course will thoroughly address the differentiation between disinfection and disinfestation, emphasizing the importance of both processes in preserving passenger and crew health, maintaining compliance, and ensuring operational efficiency.

Participants will engage in both theoretical learning and hands-on practice, gaining essential competencies in the selection and safe application of approved disinfectants, detailed risk assessments, and safety considerations, including PPE usage, chemical handling, and environmental factors such as flammability and ventilation.

The course also delivers robust training on aircraft disinfection methods, equipping attendees with knowledge and practical skills for managing insect infestations using approved residual, pre-flight, and blocks-away techniques. Participants will benefit from realistic, scenario-based exercises that enhance practical skills, including rapid response to onboard infectious cases, emergency spill management, and integration of comprehensive vermin control strategies.

By the end of this engaging 3-day training experience, participants will be thoroughly prepared to confidently perform cabin hygiene tasks, ensuring compliance with international and national health standards, optimizing passenger safety, and contributing to overall operational excellence within their organizations.

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

- a) Master regulatory frameworks and their practical applications.
- b) Develop advanced skills in rostering, scheduling, and fatigue mitigation.
- c) Learn to proactively manage compliance and address deviations effectively.
- d) Strengthen your organization's culture of fatigue awareness and safety.

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<b>Category</b>	Personal Development
<b>Venue</b>	On Demand
<b>Level</b>	Basic
<b>Price</b>	On Demand

## Who is the course for?

Cleaning operators, maintenance personnel, and aviation hygiene professionals.

## Detailed Content / Topics - The following Subjects will be addressed

### Day 1:

Introduction and Regulatory Framework  
 Introduction to aircraft cabin hygiene and importance  
 Definitions: Disinfection vs. Disinfestation  
 Overview of relevant ICAO Annex 9 Facilitation Standards  
 Chapter 2: Entry and Departure of Aircraft (Sections D & E)  
 Introduction to EASA Guidelines on Aircraft Cleaning & Disinfection  
 Regulatory responsibilities and obligations  
 Overview of public health guidelines (WHO)  
 Compliance with international and state-specific disinfection product approvals  
 Use of Aircraft COVID-19 Disinfection Control Sheet (PHC Form 2)  
 Identification of high-touch surfaces (e.g., seats, armrests, tray tables, IFE screens)  
 Selection and application of disinfectants (70% IPA solution)  
 Risk assessment & safety considerations (flammability, ventilation, PPE)  
 Proper use of wipes, pre-moistened cloths, and prohibition of spray application  
 Safe storage and handling of disinfectants onboard

### Day 2:

Special Considerations & Equipment Inspections  
 Frequency of cleaning and disinfection based on exposure risk  
 Manufacturer consultation and recommendations  
 Inspection techniques for detecting long-term disinfectant effects or damage  
 Adjusting maintenance schedules when aggressive disinfection methods are applied  
 Alternative methods (e.g., UV irradiation), limitations and considerations  
 Compatibility of disinfecting agents with aircraft materials  
 Consultation with OEM regarding new disinfectants and procedures  
 Practical scenario-based discussions  
 Aircraft disinfection methodologies (residual, pre-flight, blocks-away)  
 Removal and treatment of vermin (cockroaches, insects, etc.)  
 Using CO2 or Nitrogen for vermin eradication  
 Integration of disinfection and vermin control practices with regular cleaning and disinfection  
 Compliance with ICAO Annex 9 and disinfection certification requirements  
 Management of disinfection, vermin control, and disinfection records  
 Managing and reducing crew and passenger interactions with high-touch surfaces  
 Crew training for in-flight hygiene management  
 Audit and oversight practices for cabin sanitation  
 Summary, knowledge assessment, and certification

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## **Day 3:**

Practical Application and Skills Assessment

Hands-on Equipment Familiarization:

Proper use and handling of PPE (Personal Protective Equipment).

Demonstrations on preparation and safe handling of disinfectants.

Disinfection Procedure Simulation:

Practical simulation exercises on actual or mock aircraft cabin interiors.

Identification and treatment of high-touch surfaces (seats, armrests, tray tables, overhead compartments, lavatories, galley).

Application techniques using approved wipes and pre-moistened cloths.

Realistic Scenario Exercises:

Response to suspected infectious disease cases onboard.

Rapid disinfection turnaround between flights.

Emergency spill response and chemical hazard mitigation.

Practical Aircraft Disinfection:

Hands-on practice using residual, pre-flight, and blocks-away disinfection methods.

Application of aerosol insecticides according to safety standards and guidelines.

Vermin Detection and Eradication:

Identification and simulation of common infestation signs (cockroaches, insects).

Hands-on practice using CO<sub>2</sub> or Nitrogen gas for vermin eradication.

Safe disposal and post-treatment verification processes.

Integrated Scenario Practice:

Combined scenarios covering disinfection, disinfection, and vermin eradication within realistic operational timelines.

Practical Competency Assessment:

Individual and team-based practical assessments.

Evaluation of proper techniques, safety compliance, and regulatory adherence.

Debrief & Best Practices Review:

Group discussion on lessons learned from practical scenarios.

Reinforcement of key safety and compliance points.

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## Target Groups

Cleaning operators, maintenance personnel, and hygiene management teams.

## Pre-requisites

Background in aviation is advantageous but not essential.

## Learning Objectives

Understand and apply best practices in aircraft disinfection and disinfestation, comply with international aviation hygiene standards, perform practical hygiene management activities, and ensure the safety of passengers and crew.

## What do People Say about Sofema Aviation Services Training?

*"I found satisfying answers to all my questions."*  
*"The instructor demonstrated very deep knowledge of the subject."*  
*"The length of the course fit 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.  
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