

# Bird Management at the Airport Bird Management at the Airport – Essentials Overview for Airlines Safety & Quality Staff Workshop – 3 Days

## Introduction

In 2020, over 10,000 bird strikes were reported in the USA, with average repair costs exceeding \$200 million annually, rising to \$1.2 billion worldwide.

The expectation that aerodrome operators alone can effectively reduce the birdstrike issue is not realistic.

More inclusive and integrated industry approach to strike management is the best approach.

More and more operators are looking at the birdstrike issue more critically and developed Airport based birdstrike management plans.

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Birds are hazardous not only causes significant damage to the plane but can also create hazardous and unsafe flying conditions if critical damage occurs.

For Airports, it is difficult to estimate the costs associated with birdstrike. Many Airports do not accurately assess the inclusive costs of birdstrike.

Bird species hazardous to aviation have expanded over the past few years and adapted to urban areas . Air traffic is rising as well , the likelihood of damaging strikes increases due to a higher number of airspace operators.

In one company already implemented SMS based strike management policy comprising collaboration with airport authorities, compliance audits and simple alterations to flight procedures and reporting in the first year of the program, they reduced birdstrikes by 20%, damaging birdstrikes by 10% and logged a 40% reduction in strike related delay.

There are many solutions to the problem of avoiding bird strikes. But 100% safety is not possible. The use of technology in this situation can significantly minimize the risk involved. Therefore, it is necessary to carry out a risk analysis of an affected area and manage it professionally.

In general wildlife hazard management plan aim to provide users with context, knowledge and procedures on how to mitigate the birdstrike risk.

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The administration and legal regulations introduced by the ICAO and European Union Aviation Safety Agency (EASA) oblige each airport to minimize the bird and wildlife strike risk, under Wildlife and Hazard Management (WHM) ADR.OPS.B.020 Wildlife strike hazard reduction AMC1 ADR.OPS.B.020 Wildlife strike hazard reduction GENERAL (d) establish, implement and maintain a wildlife risk management programme.

The plan should include some key elements as:

- Define roles, responsibilities & the legal framework.
- Review the history & current status of bird strike (including the financial and costs of birdstrike).
- Define the birdstrike risk management priorities by wildlife species, airports and aircraft type.
- Define the factors that affect the probability and consequence of birdstrike for the Airport operation.

The course is designate to provide Airport managers with the basic knowledge about standards and best practices for an effective control of birds in order to establish company policy comprising collaboration with airport authorities, compliance audits and reporting in area of:

- Habitat Management
- Use of Predators
- Bird Robots
- Acoustic Methods - Predator Cry Systems
- Acoustic Methods - Directional Acoustic Systems
- Visual Methods
- Netting
- Bird Houses
- Bird Control Measures on Airport Buildings

## Who is this course for?

- Anyone involved in Wild wife control in the airport.
- Airport managers including Post Holders Safety & Quality Assurance staff.
- Operational staff who need a deeper understanding of International Bird control standards and best practices.
- National authority inspectors.

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

- a) Understand the integrated industry approach to Bird management at the Airport.
- b) Learn about legal framework – ICAO&EASA and Internationally recognize best practices.
- c) Define roles and responsibilities of persons involved in Bird control management including operational Bird control staff.
- d) Learn how to develop Bird control management plan.
- e) How to implement an effective SMS based company Bird management policy.
- f) How to improve data collection for the birds presence and bird strike in vicinity of the Airport.
- g) Learn about habitat management.
- h) How to define the birdstrike risk management priorities by wildlife species, airports and aircraft type.
- i) Understand the most effective mitigation measures in reducing the Bird strike risk.

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

### Day 1

- 1. Intro
- 2. Abbreviations & Terms
- 3. Bird Management at the airport
- 4. Why Birds Like Airports
- 5. General
- 6. Birds and the law
- 7. Aerodrome Ecology
- 8. Bird dispersal
- 9. Passive Management
- 10. Defining Roles & Responsibilities
- 11. Involving Stakeholders
- 12. Communicating Risks
- 13. Workshop

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## Day 2

1. Active Management
  - Assess the Risk
  - Monitoring & Data Collection
  - Airport safeguarding
  - Off-airfield monitoring
2. The Bird Control Log
3. Birdstrike Remains Identification
4. Equipment
5. Bird Behavior Modification
6. Habitat Management
7. Reporting of Bird Strikes
8. Workshop

## Day 3

1. International minimum best practice standards
2. Training
3. Operations
4. Workshop

## Target Groups

The course is intended for Airport Safety & Quality Assurance staff who currently have limited or no knowledge of the subject and who will either be employed on Bird management duties or who may have to supervise Bird control specialists in their current/future role.

## Pre-Requisites?

A background in an aviation environment.

There are no prerequisites for this course however, a basic knowledge of Aviation Regulations and Regulatory Environment will be an advantage.

This Training is suitable for Airport Safety & Quality Assurance Staff who need to have a comprehensive understanding of your birdstrike situation when performing the audits and risk assessment.

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## Learning Objectives

Participants to be able to implement a Bird strike management policy, action, and necessary measures to reduce the Bird strike risk to the lowest practicable level.

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To analyse of bird data in respect of bird strikes and observations and monitoring of bird/wildlife activities in and around Airport.

To reveal trends that will assist airport authorities to recognize areas of concern, which should be addressed through a well-managed Bird control programme.

Course presents several habitat management practices can make an airport less attractive to birds.

To create check list for Gap analyses.

To perform an effective Birdstrike management audits of the airport operators.

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

*"The instructor used the right words to explain the material."*

*"The discussions among the group were very beneficial."*

*"The instructor showed a very resourceful background and experience."*

*"All sections of the course were related to my field."*

*"Adequate answers were given to specific questions."*

## Duration

3 Days – To commence at 09.00 and finish at 17.00, with appropriate refreshment breaks.

Sofema Aviation Services offers a flexible approach to developing all in-company training courses which are specific to the client's needs. If you would like additional information concerning how course content may be configured to be more appropriate for your organization please email [team@sassofia.com](mailto:team@sassofia.com)

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