

Airport Wildlife Management Training



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Since December 31st, 2006, regulations have been in place in Canada to meet ICAO aviation standards for wildlife hazard mitigation. The regulations require that personnel involved in airport wildlife management are sufficiently trained and that most airports establish an Airport Wildlife Management Plan (AWMP). These regulations, under the *Canadian Aviation Regulations* (CAR) 302, in association with the *Airport Standards* 322, help improve aviation safety by ensuring that airports, to which the regulations apply, have an effective AWMP and personnel who are adequately trained to perform integrated wildlife management. The United States has similar regulations that require airport wildlife management practitioners to be properly trained. Both countries' regulations recognize the importance of airport wildlife management and the necessity that practitioners have a firm understanding of biological and ecological principles, animal behaviour, firearms and aviation safety, as well as associated laws.

With over 20 years' experience, Falcon Environmental Inc. (FALCON) offers specialized training, proposing adapted solutions and strategies for any airport's needs and available resources. FALCON's training courses are tailored to airport realities, in terms of size, traffic, complexity and type of stakeholders to be trained. FALCON offers an array of courses that will meet your needs in terms of wildlife management, whether:

- You need to fulfill the CAR requirements or any other international standards;
- You want your wildlife control personnel to be better trained to improve wildlife management directly on the field;
- You want your wildlife control personnel or any employee having duties regarding wildlife management to better understand the importance of wildlife hazards and risks;
- You want your managers to understand and learn how to perform a risk assessment, as well as how to design the accompanying wildlife management plan.

Our training programs can be personalized, enabling personnel of any type of airport to fulfill their duties regarding wildlife issues. FALCON has expertise not only on the field, but also in the development of wildlife management plans with both civilian and military airports. Our trainings are recognized by Transport Canada and FALCON is a member of the Bird Strike Association of Canada and of the International Civil Aviation Organization.



Overview of the training courses currently offered:

Course	Title	Lenght	Canadian	Military	International	Details in page
C-OM	Airport Wildlife Management Training for Operations Managers and Wildlife Control Officers	2 days	✓	✓	✓	4
CM-SO	Airport Wildlife Control for Airport Safety Officers	1 day	✓	✓	✓	6
CM-AK	How to perform an Airport Wildlife Management Plan and to implement Key Performance Indicators	1 day	✓	✓	(✓)	7

For more details on training offered by FALCON or for a service offer, feel free to contact us at: training@falconenvironmental.com

1.C-OM - Airport Wildlife Management Training for Operations Managers and wildlife control officers

1.1. Pre-Requisites:

Working knowledge of the aviation industry and wildlife strikes recommended.

1.2. Description

The Airport Wildlife Management Training for Civilian Airport Operations Managers is a comprehensive 2-day course that meets or exceeds Transport Canada regulations and international standards.

1.3. Objectives

The purpose of this course is to comply with federal regulations concerning the training of people responsible for civilian airport operations with regards to airport wildlife management in order to reduce the number and severity of wildlife strikes at Canadian and International airports.

1.4. Course Topics

1 - Why do we need wildlife control at airports?

- History
- Costs (direct vs indirect)
- Types of damage
- Importance of wildlife control (liability, safety, compliance with regulations)

2 - Canadian laws

- Regulations
- Standards

3 - Players in the wildlife control game

- Airport planners
- Airport managers
- Officials responsible for the surrounding area (zoning)
- Airport engineers
- Wildlife control personnel

4 - Problem species

- Main culprits in North America
- Bird and mammal ecology and biology
- Identification
- Interpreting and assessing animal behaviour
- Permits

5 - Types of control

- Passive control: habitat management
- Active control: removal, dispersal, exclusion

6 - Health and safety

- Safe use of equipment (firearms, pyrotechnics, etc.)
- Zoonoses (precautions to take)
- Animal handling techniques

7 - Wildlife management plan (AWMP)

- Why have a AWMP?
- What should be included?
- What should be evaluated?
- Key Performances Indicators

8 - Hands-on with active wildlife control techniques

- Dispersal
- Exclusion
- Removal

9 - In-depth wildlife management discussions

- Interpreting and assessing animal behaviour
- Application of wildlife management strategies
- Case study workshops

1.5. Course Duration

The course duration is 2 days, 8 hours per day. The first day will be classroom lectures and discussions. The second day will consist of hands-on exercises and on-field demonstrations (on passive and active methods and health and safety issues such as the use of equipment and animal handling) as well troubleshooting, discussions and case study workshops. Participants are invited to present the airport wildlife management situations and problems found at their airport for discussion during the case study workshops. Guided by FALCON's expert airport wildlife consulting team, the group will discuss the best solutions available for each case.

2.CM-SO - Airport Wildlife Control for Airport Safety Officers

2.1. Pre-Requisites

Working knowledge of the aviation industry and wildlife strikes recommended.

2.2. Description

The Airport Wildlife Control for Civilian Airport Safety Officers course is a comprehensive 1-day course that meets or exceeds Transport Canada regulations and international standards.

2.3. Objectives

The purpose of this course is to comply with federal regulations concerning the training of persons responsible for civilian airport safety with regards to airport wildlife management in order to reduce the number and severity of wildlife strikes at Canadian and International airports.

2.4. Course Topics

1 - Why do we need wildlife control at airports?

- History
- Costs (direct vs indirect)
- Types of damage
- Importance of wildlife control (liability, safety, compliance with regulations)

2 - Canadian laws

- Regulations
- Standards

3 - Players in the wildlife control game

- Airport managers
- Officials responsible for the surrounding area (zoning)
- Airport planners
- Airport engineers
- Wildlife control officers

4 - Problematic species

- Main problem species in America
- Bird and mammal ecology and biology
- Identification
- Interpreting and assessing animal Behaviour
- Permits

5 - Types of control

- Passive control: habitat management
- Active control: removal, dispersal, exclusion

6 - Health and safety

- Safe use of equipment (firearms, pyrotechnics etc.)
- Zoonoses (precautions to take)
- Animal handling techniques

2.5. Course Duration

The course duration is 1 day, 8 hours. The course will involve classroom lectures and discussions.

3.CM-AK - How to do perform an Airport Wildlife Management Plan and to implement Key Performance Indicators

3.1. Pre-Requisites

Working knowledge of the aviation industry and wildlife strikes recommended.

3.2. Description

Transport Canada *CAR 302* and *Airport Standards 322* require that most airports, despite their size, implement an Airport Wildlife Management Plan (AWMP). Some smaller airports may decide to perform their own risk assessment and to draft the associated wildlife management plan. However, this complex task can be difficult for non-experts. This course can facilitate the task by giving participants a description and an explanation of each requirement of the plan, enabling them to write their own AWMP. With great experience in the field, FALCON can guide you in designing an Airport Management Plan that will comply with federal regulations.

One important aspect of risk management is identifying trends and targets that can generate lead indicators of a program. This is achieved by implementing Key Performance Indicators (KPIs). These provide a quantitative support to the quality assurance monitoring of different aspects of a program. A special attention will be given to KPIs during the course.

3.3. Objectives

The purpose of this course is to enable personnel from any airport to write an Airport Wildlife Management Plan (AWMP), compliant with federal regulations, and specific to their site and wildlife issues. It will also help to identify the KPIs and different targets.

3.4. Course Topics

1 - Elaborating an AWMP

- Risk assessment
- Wildlife Management Plan

2 - Risk Assessment

- Identification of airport features and characteristics
 - Wildlife habitat and resources
 - Runways
 - Air traffic
 - Wildlife
- Wildlife strikes trend analysis
- Land-uses around the airport
- Bird hazard zone design
- Identification of wildlife hazards
- Risk scoring
 - Basic risk scoring
 - SMS scoring
 - Risk assessment matrix

3 - Wildlife Management Plan

- Available wildlife management tools (passive and active techniques)
- Permit requirements and regulations
- Specific management techniques for priority wildlife species representing hazards to aviation safety
- Habitat management and secondary attractants
- Monitoring techniques
- Communications procedures
- Training program
- Wildlife management research projects
- Communications procedures
- Training program
- Wildlife management research projects

4 - Key Performance Indicators

- Different KPIs for operation and administration levels
- Relevance of KPIs
- Identification of targets/thresholds
- Proactivity VS reactivity

3.5. Course Duration

The course duration is 1 day, 8 hours. The course will involve classroom lectures, discussions and case study workshops. Participants are invited to present airport wildlife management plan examples and performance indicators at their airport for discussion during the case study workshops. Guided by FALCON's expert airport wildlife consulting team, the group will discuss the best solutions available for each case.



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Off-site training in your
facilities are also
available. Contact us for
more details.

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