



WHM TRAINING

WBA 2021

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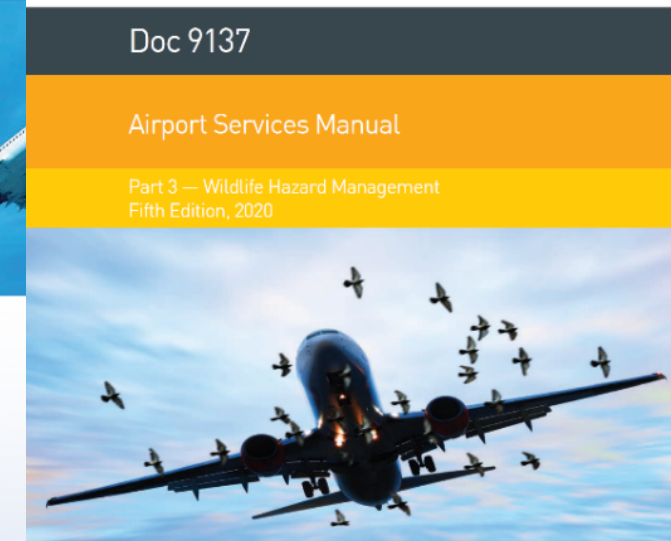
WHM Training ~ ICAO



Annex 14 Aerodromes

ICAO Doc 9981 PANS Aerodromes

ICAO Doc 9137 WHM Manual



Annex 14



ICAO

International Standards
and Recommended Practices

Annex 14 to the Convention on International Civil Aviation

Aerodromes

Volume I
Aerodrome Design and Operations
Eighth Edition, July 2018



This edition supersedes, on 8 November 2018, all previous editions of Annex 14, Volume I.
For information regarding the applicability of the Standards and Recommended Practices, see Chapter 1, 1.2 and the Foreword.

INTERNATIONAL CIVIL AVIATION ORGANIZATION



9.4.3 Action shall be taken to decrease the risk to aircraft operations by adopting measures to minimize the likelihood of collisions between wildlife and aircraft.

Note.— Procedures on the management of wildlife hazards on and in the vicinity of an aerodrome, including the establishment of a wildlife hazard management programme (WHMP), wildlife risk assessment, land-use management and personnel training, are specified in the PANS-Aerodromes (Doc 9981) Part II, Chapters 1 and 6. Further guidance is given in the Airport Services Manual (Doc 9137), Part 3.

9.4.4 The appropriate authority shall take action to eliminate or to prevent the establishment of garbage disposal dumps or any other source which may attract wildlife to the aerodrome, or its vicinity, unless an appropriate wildlife assessment indicates that they are unlikely to create conditions conducive to a wildlife hazard problem. Where the elimination of existing sites is not possible, the appropriate authority shall ensure that any risk to aircraft posed by these sites is assessed and reduced to as low as reasonably practicable.

9.4.5 **Recommendation.**— *States should give due consideration to aviation safety concerns related to land developments in the vicinity of the aerodrome that may attract wildlife.*

PANS Aerodromes



Attachment to chapter 1: Structure of a training programme.



1. Initial training:

- Theoretical training modules
- Practical training modules
- Assessment of personnel
- Demonstrate their capability to safely accomplish the required tasks

2. Recurrent training:

- At suitable intervals
- Alternative: continuous competence checks

3. Refresher training:

- When a person has
 - not performed her/his tasks for 'significant period of time'
 - been involved in an accident, incident or serious occurrence in which training-related issues are a contributing factor

PANS Aerodromes



Chapter 6 – Wildlife Hazard Management:

6.3.8. Personnel training:

- The WHMP should include procedures for the initial and recurrent training
- The training should be conducted by competent wildlife control personnel, or specialists with proven experience in this field

Appendix 1 to Chapter 6 - WILDLIFE CONTROL TRAINING

- Initial Training: All basic elements
- Recurrent training: Changes and updates

Doc 9137



ICAO

Doc 9137

Airport Services Manual

Part 3 — Wildlife Hazard Management
Fifth Edition, 2020



Chapter 7 - TRAINING:

1. An aerodrome operator should adequately train their WHM control and managers.
2. A state should prepare and distribute guidelines for the training of aerodrome wildlife management personnel.
3. An aerodrome operator should ensure that wildlife management personnel are competent.
4. Recurrent training to keep personnel up-to-date, at least every 2 years.



Chapter 7 - TRAINING:

7.2. Content of a Training Plan:

1. The WHM training should cover topics mentioned in the PANS Aerodromes, and may also include, but are not limited to:
 - a) nature and extent of the wildlife management problem
 - b) management of hazardous wildlife and their habitat
 - c) national and local regulations, standards and guidance material related to aerodrome wildlife hazard management programmes
 - d) overview of aerodrome WHMP
 - e) wildlife ecology and biology
 - f) wildlife identification and observation, including the use of field guides and wildlife survey methods
 - g) protected species, including related regulations and policies
 - h) documentation, identification, and reporting measures of wildlife strikes



Chapter 7 - TRAINING:

7.2. Content of a Training Plan:

1. The WHM training should cover topics mentioned in the PANS Aerodromes, and may also include, but are not limited to:

....
 - i) off-aerodrome land use issues
 - j) wildlife removal techniques
 - k) safe use of firearms, hazardous materials
 - l) stakeholder involvement
 - m) importance of awareness and outreach programmes, and
 - n) basic principles of the safety management system (SMS) and how they apply to aerodrome wildlife hazard management (See the manual on Flight Safety and Volcanic Ash (Doc 9974) and the Safety Management Manual (Doc 9859)).

Other operational stakeholders



Pilots and Air Traffic Controllers

No specific WHM training requirements



Recommendations:

Develop training requirements for operational WHM stakeholders.

Scattered guidelines or better practices how to deal with an increased wildlife strike hazard.



Use available expertise to provide to-the-point better practices

Aviation challenges



Compliance requirements



Training needed



Cost reduction



Experts as trainers



Experts



Training
provided



Facilitate



Mission

Facilitate, stimulate and enable to-the-point aviation compliance trainings by facilitating world-wide experts in submitting specialised modules through a joined platform.

HOW

- **Platform** for trainers and SME's
- Courses, Modules etc. available for customers via web-based platform
- Aviation **compliance** orientated
- **Competitive** rates
- Attractive and **fair rewards**

IPACT training set-up



- Experts valued
 - WHM staff
 - WHM managers
 - WHM regulators
 - WHM practitioners
 - WHM specialists
 - WHM volunteers
- IPACT facilitates & Helps
- Platform added value



- Modules
 - Short-to-the-point
 - Practicable usable
 - Target group orientated
- Method
 - Standardized set-up
 - Quality assurance
 - Marketing via expert
- Financial
 - Huge client cost reduction
 - Direct expert benefits



International Platform for Aviation Compliance Trainers (IPACT)

WBA 2021 conference

www.ipact.info

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Questions?

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