

Model of State's regulation framework for wildlife hazard management at airports (State: Cameroon)

Presented by

Glawdys flora akete oyono

Aviation safety expert/ wildlife hazard management instructor

Cameroon's transports ministry-CIVIL aviation Department



About the speaker : **Glawdys Flora AKETE OYONO**

- Civil aviation officer at Cameroon's Transports Ministry /Aviation consultant
- Aviation safety auditor
- Advanced Master in Airport Management
- Master in project management
- Air traffic control Diploma
- ❑ **2021 –today** : Civil aviation norms analyst & national inspector
- ❑ 2020- Today : aviation instructor and expert at Airport Council Interational –Africa
- ❑ **2016-today** : Safety Assessor for the ACI APEX program & ACI consultant
- ❑ **August- Dec 2020** : Safety assessment of wildlife hazard prevention framework in Cameroun under DGAC –STAC monitoring
- ❑ **2010-2019** : Corporate safety manager –Aéroports du Cameroun

PRESENTATION CONTENT

1. View of international Civil Aviation Organization requirements to States for wildlife hazard management at airports
2. View of expected internalization of norms within the state
3. Presentation of the cameroon's model of regulation

ICAO REQUIREMENTS TO STATES FOR WILDLIFE HAZARD MANAGEMENT AT AIPOORTS

Reference	Requirements
Annex 14, 9.4.1	<p>Assessment of the risk of animal impacts at or near aerodromes using:</p> <ul style="list-style-type: none"> ▪ A national procedure for recording and reporting cases of animal impacts on aircraft; ▪ Information gathered from aircraft operators, aerodrome personnel and other sources on the presence of animals at or near aerodromes that may pose a hazard to aircraft; ▪ An ongoing wildlife risk assessment conducted by competent personnel.
Annex 14, 9.4.2	Collection, transmission and reporting of animal impact reports to ICAO for entry into the ICAO Bird Strike Information System (IBIS) database
Annex 14, 9.4.3	Reduction of the risk to aircraft by adopting measures to minimise the likelihood of collisions between animals and aircraft
Annex 14, 9.4.4	Action to eliminate landfills, dumps or any other areas that may pose a risk to the safety of aircraft
Annex 14, 9.10.1	Fencing or other appropriate barriers at aerodromes to prohibit access to the movement area by animals that could, because of their size, present a hazard to aircraft.
Annex 15, 5.6.3 & 5.6.4	Dissemination of information about the presence of wildlife hazard in aeronautical information
Annex 14, 9.4.5 (Recommendation)	Due consideration to aeronautical safety concerns regarding land developments in the vicinity of airports that may attract animals.

ICAO REQUIREMENTS TO STATES FOR WILDLIFE HAZARD MANAGEMENT AT AIRPORTS

ICAO REQUIREMENTS

- Threat assessment
- National reporting system and IBIS connection
- Continuous risk assessment and mitigation
- Compatible land use around the aerodrome

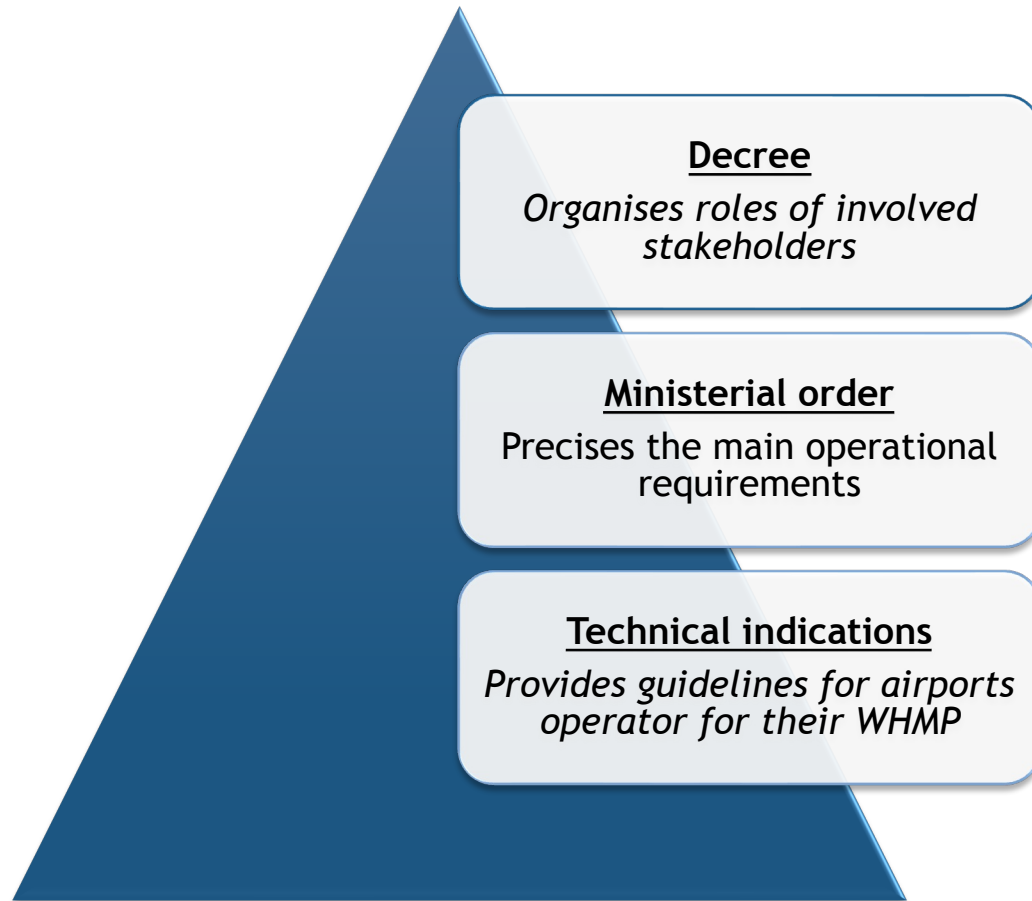


OPERATIONALISATION AT AIRPORT LEVEL

- Data collection
- Risk assessment
- Habitat manipulation
- Harassment and repellent techniques
- Land use control
- Aeronautical information



STRUCTURE OF THE REGULATION MODEL IN CAMEROON FOR WILDLIFE HAZARD MANAGEMENT AT AIRPORTS



STRUCTURE OF THE REGULATION MODEL IN CAMEROON FOR WILDLIFE HAZARD MANAGEMENT AT AIRPORTS

Decree

Organises roles of involved stakeholders

Ministerial order

Precises the main operational requirements

Technical indications

Provides guidelines for airports operator for their WHMP

1-The Decree : Organizes roles of involved stakeholders

Related to

- Threat assessment
- Risk assessment and mitigation
- Land use control

The decree therefore :

- Organizes responsibilities of involved stakeholders
- Settle and define mission of wildlife hazard committees

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1-The Decree : Organizes roles of main stakeholders involved

Define responsibilities of main stakeholders

a) Civil aviation Authority

- settle the national reporting procedure connection to IBIS
- Conduct oversight activities at airports
- liaise with urban bodies to assess landuse projects
- Provides technical guidances to airport operators

b) Airport operators

- Develop and implement effective and efficient wildlife hazard management program
- Conduct wildlife risk assessment
- Get involved in landuse projects'assessment
- Report hazardous trends observed at airports and surroundings

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Define responsibilities of main stakeholders

c) Aircraft operators and their maintenance organizations

- Report observations of birds and animals
- Participate to wildlife committees

c) Air navigation service providers

- informs the aerodrome operator and crews of the presence of animals & birds in the vicinity of manoeuvring areas and their impact on aircraft, as soon as they are aware of it;
- Participate to wildlife committees

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1-The Decree : Organizes roles of main stakeholders involved

Settles coordination committees

a) National wildlife hazard management committee

- Membership definition
- Role definition : (national platform involving States ministries, bodies & expert to discuss and provide national strategy and support for an efficient and sustainable mitigation of wildlife hazard at airports)

b) Airport wildlife hazard committee

- Membership definition
- Role definition : (airport platform involving airport stakeholders, to discuss on the trends and provide recommendations to mitigate wildlife hazard)

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2-The Ministerial order : defines the conditions of implementation

Defines the following :

a) Prevention measures

- Risk assessment
- Fencing
- Grass/waste/forest management

b) Active measures

- Repelling methods authorized

c) Others

- Training
- Reporting requirements
- CAA oversight

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3-Technical guidance from CAA: to assist airport for their WHMP

Defines

a) Structure and content of the wildlife hazard management programme

- Data collection
- Risk assessment
- Passive measures
- Preventive measures
- Coordination
- Training

b) Training requirements for airport operators

c) Wildlife management programme's self assessment

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Décret N° _____ /PM/ du _____
**PORTANT ORGANISATION DE LA PREVENTION DU RISQUE AVIAIRE ET
ANIMALIER SUR
LES AERODROMES DU CAMEROUN**

LE PREMIER MINISTRE, CHEF DU GOUVERNEMENT,

la Constitution ;

la Convention relative à l'Aviation Civile Internationale signée à Chicago le 07 décembre 1944, et ratifiée le 15 janvier 1960 ;

la loi N°2013/010 du 24 juillet 2013 portant régime de l'aviation civile au Cameroun ;

REPUBLIQUE DU CAMEROUN

Paix – Travail - Patrie

Arrêté N° _____ /A/MINT du _____

**RELATIF A LA MISE EN ŒUVRE DE LA PREVENTION DU RISQUE AVIAIRE ET ANIMALIER
SUR LES AERODROMES DU CAMEROUN**

LE MINISTRE DES TRANSPORTS,

Vu la Constitution ;

Vu la Convention relative à l'Aviation Civile Internationale signée à Chicago le 07 décembre 1944, et ratifiée le 15 janvier 1960 ;

Vu la loi N°2013/010 du 24 juillet 2013 portant régime de l'aviation civile au Cameroun ;

Vu le décret N°2003/2028 du 04 septembre 2003 portant réaementation des titres. documents

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THANK YOU FOR YOUR ATTENTION