



Fifth Meeting of the Programmes and Projects Review Committee (PPRC/5)
 Mexico City, Mexico, 16 to 18 July 2019

Agenda Item 5: Review of GREPECAS Programmes and Projects and Subsidiary Groups
5.9 Progress report of the CAR/SAM Regional Bird/Wildlife Hazard Prevention Committee (CARSAMPAF)

REPORT OF ACTIVITIES AND PROJECTS OF THE REGIONAL COMMITTEE CAR/SAM FOR THE PREVENTION OF BIRDS/WILDLIFE (CARSAMPAF)

(Presented by the CAR/SAM Regional Committee on Bird and wildlife Prevention - CARSAMPAF)

EXECUTIVE SUMMARY

The CARSAMPAF Regional Committee presents to the meeting a summary of the activities performed its progress and achievements on the past three years, as well as their projects, aiming to join efforts to achieve proposed goals.

Action:	The meeting is invited to take note of the activities and projects on bird/wildlife hazard prevention developed by the CARSAMPAF Committee that are focused on training, formulation of methodologies, exchange of information, policy review and asses in airport planning.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Safety • Capacity and efficiency
<i>References:</i>	<ul style="list-style-type: none"> • Doc. 9137 - Airport Services Manual, <i>Part 3 – Wildlife control and reduction.</i> • Doc. 9332- <i>Manual on the ICAO Bird Strike Information system (IBIS)</i>

1. Introduction

1.1 The Regional CAR/SAM Committee on bird/wildlife hazard prevention is a nonprofit entity, founded on 24 October 2003, whose main objective is to coordinate and integrate actions to reduce the number of accidents and incidents in aviation in the CAR/SAM Region, resulting from wildlife strikes with aircraft. Its scope of activity is Central America, the Caribbean and South America and has managed to install its permanent headquarters in Asuncion, Paraguay. Detailed information about the Committee can be found on its official website: www.comitecarsampaf.org

2. Strategic objectives of the CARSAMPAF Committee

- Strengthen safety of civil aviation through methodologies, strategies and guidelines for prevention of bird/wildlife hazard developed by CARSAMPAF, in the axes of notification of incidents, establishment of national committees and bird migration monitoring.
- Strengthen safety of civil aviation through training programmes developed by CARSAMPAF.
- Strengthen safety of civil aviation through the exchange, update and review of information concerning bird hazard through the CARSAMPAF Committee.
- Promote joint criteria to regulatory and operational staff, in charge of the management and hazard prevention of collisions with birds and wildlife at airports of the Region, in coordination with the CAA of the States; and ICAO regional offices.
- Encourage and support the creation of national committees for risk management of wildlife in States and the creation of committees for risk management of wildlife at airports.
- Contribute to safety in airports in the Region, according to the SRVSOP established by the ICAO SAM Regional Office.
- Promote proactive participation of CARSAMPAF in GREPECAS meetings within the AGA projects under the Aerodromes Project to "Reduce runway incursions/excursions at aerodromes and improve runway safety".

3. Annual conferences and meetings ICAO/CARSAMPAF 16 (Santo Domingo, Dominican Republic) – year 2018

3.1 The CARSAMPAF Committee, conducted meetings and conferences annually from the year in which it was established. These events have become an ideal forum, through the participation of experts in management and prevention of risks posed by birds/wildlife in airports of the NACC/SAM regions, so that States and other interested parties, acquire knowledge and experience in the field of prevention of bird hazard, and use new technologies for the formulation of effective methods and strategies for the prevention and mitigation of the risk of impacts. In its last three annual conferences, CARSAMPAF gathered 263 participants of 17 States of the CAR/SAM regions.

3.2 The XVI CARSAMPAF meeting and Conference was held in Santo Domingo, Dominican Republic from 26 to 30 November 2018, sponsored by the Dominican Institute of Civil Aviation (IDAC). The topic of discussions in the Conference was the "DEVELOPMENT AND IMPLEMENTATION OF WILDLIFE MANAGEMENT PLANS" and featured the participation of 112 people and representatives of 9 CAR/SAM States.

3.3 After the meeting ended, it was determined that the States CAAs shall promote the “DEVELOPMENT AND IMPLEMENTATION OF WILDLIFE MANAGEMENT PLANS”, following the requirement and basic guidelines established in ICAO Annexes 14 and 19, and related documents; as a framework to which the National Bird and Wildlife Hazard Prevention Committee activities will function, in order to preserve safety and guarantee the sustainable development of airport infrastructure and facilities in an urban-friendly manner. It was also emphasized the importance of the support of the States' CAAs to the annual events of the CARSAMPAF Regional Committee as supported by IDAC in the Dominican Republic; in addition to update local staff knowledge and experience in Wildlife Risk Management, it also made it possible to verify in situ the management and control of wildlife at Las Américas airport.

4. Projects execution 2018 in support to States and airports in the Region in the short and medium term

4.1 Programme for support/assessment by experts of the Committee - Workshops of risk analysis at airports

4.1.1 As part of the annual agenda developed at the request of the AAC, several workshops will be carry out within the meetings and conference programmes, such as practical exercises, which allow participants to acquire the experience and take them back into their airports; in addition, the resulting information is an input to the management of the airport or host country. CARSAMPAF relies on professionals with the knowledge and experience necessary to lead workshops and studies that may develop at the request of any State of the CAR/SAM regions, according to CAAs requirement and even airport operators.

4.2 CARSAMPAF Training Plan – International Postgraduate Course under the supervision of the Catholic University of Paraguay

4.2.1 The Regional Committee agreed a training program in the area of Wildlife Risk Management, designed by CARSAMPAF experts, with the objective of training competent and specialized staff who will provide services in the airports of the Region; this initiative directly supports the strategy outlined by the GREPECAS in 2004 aimed to "strengthen the prevention of wildlife hazard and improve runway safety". For the implementation of the international postgraduate course "**COORDINATION OF WILDLIFE RISK MANAGEMENT AT AIRPORTS**", a frame agreement was signed for 5 years with the Catholic University of Nuestra Señora de la Asunción, Paraguay (UCNSA) and it is expected its first Edition in the second half of 2019 with 45 places available. The information will be posted on the website: www.comitecarsampaf.org

4.3 Assessment programme for the reporting of wildlife impacts and support the creation of National Committees for preventing bird/wildlife hazards

4.3.1 During year 2018, difficulties were found in gathering statistical information of annual impacts with wildlife in the region, while this information of bird strikes and wildlife are collected by ICAO when States report to Headquarters; the diagnosis carried out in 2017, show differences in the notification process between countries that may be impacting on the availability and quality of information. On the other hand, in 2018, information was collected from 21 States of the CAR/SAM region, to determine the status of creation and operation of national committees defined in chapter N.2 of Doc 9137 Manual services airport Part 3 - *Wildlife control and reduction*.

4.3.2 At general level, it was found that only 52% of States have created and operational National Committees; the NACC Region has fewer States with National Committees than the SAM Region, and also all airports have operational Committees. It was also identified that 4 States do not have a National Committee and that 6 States are in the process of creating them; being a priority for CARSAMPAF to assist them even though facing bureaucratic delays and/or migration processes from Airport Committees.

4.3.3 Through exercises, it was identified opportunities, weaknesses, threats and strengths of the process, with a view to formulating a methodological process addressed to States and created by CARSAMPAF, for the creation, articulation and follow-up of National Committees; at a later stage a Pilot Project may be created for the implementation of the methodology with three States in the region. The CARSAMPAF Committee also found it pertinent to request ICAO the updating of *Doc. 9137 Manual of Airport Services Part 3 – Wildlife Control and Reduction* and *Doc. 9332 - Manual on the ICAO Bird Strike Notification System (IBIS)*, to include, among others, the aspects identified through the diagnoses carried out for the region in 2017 and 2018 by this committee and the inclusion of National Committees within the themes of the ICAO regional audits.

4.4 Early Warning Programme on Bird Migration for Aviation – PATMA

4.4.1 The objective of the Early Warning Programme on Bird Migration for Aviation - PATMA, is to identify and notify in real time the migratory movements of birds throughout the region, in order to take pertinent and preventive actions against possible effects on aircraft operations; the users of this information are the National Aeronautical Authorities (AAC) of the States of the NACC/SAM Regions, the airlines and those in charge of wildlife management at airports. PATMA is functioning as a communication network of entities, institutions and interested groups that, until now, have managed to link 12 countries and 42 members; during its operation, there have been warnings of migratory movements between Central and South America, which have allowed taking preliminary actions before the arrival of birds at airports.

4.4.2 The goal is to increase the number of members in the group and the creation of an App with an associated web page, which will facilitate the collection of information in real time anywhere, consolidating the information, presenting in graphic mode by means of interactive maps and will generate early alerts to pilots or entities linked that could be on the path of the detected migratory movement. The first migration alert bulletin is expected to be generated in July 2019, where the PATMA which will be detailed and provide a list of species that migrate and may be intervening in aerial operations.

5. Suggested Actions:

5.1 Take note of the CARSAMPAF projects/products:

- a) Expert Support/Assessment Program of the Committee for Cooperation with States Civil Aviation Authorities under agreements for the Development, Implementation or Improvement of National Wildlife Management Plans;

- b) CARSAMPAF Training Plan; International Postgraduate course Diploma LEVEL I: Coordinator for Birds and Wildlife Management at Airports, under the academic supervision of the University Nuestra Señora de la Asunción (UCNSA, Paraguay).
- c) Assessment Programme for the notification of wildlife Impacts and support the creation of National Committees – review of regulations and creation of pilot as described above.
- d) Support the Early Warning Programme on Bird Migration for Aviation – PATMA.
- f) Propose a cooperation agreement between CARSAMPAF, RASGPA and GREPECAS for the development of projects and reporting its implementation in regional meetings, and deploy Experts to states/CAAs for the strengthening of the National Committees. A proactive and permanent cooperation is proposed with ICAO, in coordination with States, industry, ACI/LAC, IATA, IFALPA and other interested parties, to Develop and Implement ***Wildlife Management Plans at Airports***.