



International Civil Aviation Organization

CAR/SAM REGIONAL PLANNING AND IMPLEMENTATION GROUP (GREPECAS)

**Seventh Meeting of the GREPECAS Aerodromes and Ground Aids / Aerodrome Operational Planning (AGA/AOP/SG/7)**

Buenos Aires, Argentina, 9 - 13 November 2009

AGA/AOP/SG/7-WP/11

27/10/09

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**Agenda Item 4: Review of the Activities of the Task Forces, CARSAMPAF and ALACPA**

**4.7 Status of implementation of the activities of the CAR/SAM Regional Committee for the Prevention of Bird Strike and Fauna (CARSAMPAF)**

**ACTIVITIES DEVELOPED BY THE CAR/SAM REGIONAL COMMITTEE FOR THE PREVENTION OF BIRD STRIKE AND FAUNA (CARSAMPAF)**

(Presented by the President of the CARSAMPAF Committee)

**SUMMARY**

The purpose of this working paper is to inform the participants of the Seventh Meeting of the GREPECAS Aerodromes and Ground Aids/ Aerodrome Operational Planning Subgroup (AGA/AOP/SG/7) about the activities carried out by the Board of the CAR/SAM Regional Committee for the Prevention of Bird Strike and Fauna (CARSAMPAF).

**References:**

- Report of the Fifth International Conference on Bird Strike and Fauna, Guayaquil, Ecuador, 1-5 October 2007; and
- Report of the Sixth International Conference and First Joint IBSC/CARSAMPAF Meeting, organised by CENIPA and the Bird Strike Control Committee of Brazil (CCPAB), Brasilia, Brazil, 24-28 November 2008.

**1. Introduction**

1.1 The Fifth International Conference on the Prevention of Bird Strike and Fauna, held in Guayaquil, Ecuador, on 1-5 October 2007, pursuant to the organisational and operational regulations of the CARSAMPAF Regional Committee, elected the new board to conduct the activities of the Regional Committee for the next four (4) years, that is, from 2008 to 2011 (see Appendix A).

1.2 The Sixth International Conference on the Prevention of Bird Strike and Fauna was held in Brasilia, Brazil, on 24-28 November 2008, with the participation of the European and US International Bird Strike Committee (IBSC), and the Caribbean and South American Regional Committee on Bird Strike and Fauna (CARSAMPAF).

1.3 The purpose of this working paper is to present a summary of the activities carried out by the Board of the CARSAMPAF Committee between December 2008 and October 2009. The activities of the Regional Committee prior to that date have been presented in other working papers at the corresponding meetings of the GREPECAS Aerodrome and Ground Aids/Aerodrome Operational Planning Subgroup (AGA/AOP/SG).

1.4 At present, the Regional Committee has 97 registered members. By way of reference, the CARSAMPAF Committee had 17 members before the Fifth Conference held in Ecuador, in October 2007.

## 2. **Activities**

2.1 The new members of the Regional Committee took on the task of periodically preparing a written “Annual Work Programme”. The “2009 Annual Work Programme” is an official document that summarises all the tasks and activities to be carried out by the CARSAMPAF Committee throughout the year, the commitments assumed by the Group Coordinators, and the annual work programme, which indicates the names of those responsible for its execution, the timelines for its implementation, and the suggested lines of action to meet the objective. This Annual Work Programme was circulated by the President of the Committee to all the Group Coordinators for their information, coordination, and implementation (see Appendix B).

2.2 Furthermore, and in order to have an agile exchange of validated information, making use of the technology currently available in all of the States/Territories, the Group Coordinators received from the Secretary the e-mail addresses of the Board members so that they could send any information related to the CARSAMPAF.

2.3 The Sixth International Conference on the Prevention of Bird Strike and Fauna, held concurrently with the first joint conference of the International Bird Strike Committee (IBSC) and the CAR/SAM Regional Committee for the Prevention of Bird Strike and Fauna (CARSAMPAF), was organised by the Aeronautical Accident Investigation and Prevention Centre (CENIPA) and the Bird Strike Control Committee of Brazil (CCPAB). As always, the ICAO Regional Office provided important support. It was held in Brasilia, Brazil, on 24-28 November 2008, and was an extraordinary opportunity for both committees to exchange experiences. This event also permitted the dissemination of new mitigation techniques and procedures for bird strike control, and through the presentations and comments, the participants took note that bird strike was a universal problem that equally affected most States. The difference lied, mainly, in the number and diversity of bird species and their habitat, as well as in the volume and type of air traffic in each Region.

2.4 The most relevant tasks and activities of the Committee carried out during this period and foreseen for 2010 were as follows:

- a) Roberto Cardoza Suil, president of CARSAMPAF, and José Miguel Martínez, secretary, have responded to a large number of inquiries by users *via* e-mail. Normally, the president receives inquiries and requests for guidance on the best way of addressing the bird strike and fauna problem, and the tools that have proven most successful for the various types of birds. In turn, the secretary has been constantly sending information on the agreements reached at the meetings, coordination activities and agreements by the board, and documentation for participating at the CARSAMPAF International Conference.

- b) CARSAMPAF vice-president Carlos Fabián Bustos, who is in charge of the Committee web page and Official Bulletin, has continued to develop and improve these communication and information instruments.

In August 2008, María Candela Sierra, who joined the work team at the same time as the vice-president, created and implemented a public forum for active participation and exchange of information and experiences on matters related to bird strike and fauna. This work tool facilitates the creation of a virtual community. It is sufficient to propose a topic and this attracts the participation and interaction of those interested on the topic, generating comments and interesting debates, thus enriching the knowledge of the parties and encouraging them to contribute to the investigation and development of this issue, with a view to minimising bird strike and fauna, thus enhancing safety in the CAR/SAM Regions.

Developments and improvements in the web page: In late 2008, the CARSAMPAF web page was officially re-launched with a graphical redesign. This new design is very modern, user-friendly, and easier to surf. The section on National Committees now includes new countries and the flags of the Region, and a link with information on available airports. Furthermore, newspaper articles have been added, the image gallery has more pictures, including those of the Sixth Conference held in Brasilia. A new section called “Birds and Fauna of Airports in America” has been added, in which some of the most characteristic and representative birds of the continent are depicted. A heading with the logo of the Committee now accompanies each technical note. Spanish Statistics have been added in the space reserved for news. In the section on events, information regarding the Sixth Conference was replaced with information about the Seventh Conference held in Grenada in 2009. All of the above are just a few of the improvements made to our web page.

Likewise, the vice-president sent information about the new web page, in both English and Spanish, to ACI-LAC, for publication in its bulletin. This bulletin is addressed to airport operators, directors of civil aviation, airlines, and other entities of the industry throughout the world, with more than 3,000 mail addresses.

Regarding our Official Bulletin, the latest CARSAMPAF Bulletin was designed, developed and published in May 2009, with information on the Sixth International Conference held in 2008, in Brasilia, among other things.

Our main objective with the implementation of these tools is to strengthen the exchange of experience and knowledge among professionals, pilots and/or experts who work in the prevention of bird strike and fauna, trying to make airports a safer place, providing them with professional bird strike and fauna control teams.

More information can be obtained in the webpage [www.carsampaf.org](http://www.carsampaf.org) or through our forum at <http://foro.carsampaf.org/>.

- c) Some modifications have been proposed to the Organic Regulations of the Committee, such as a reduced tenure for Board members from 4 to 2 years, with only one chance of re-election, so that all Committee members may have the possibility of taking on leading positions. Furthermore, it is also necessary to establish a mechanism to replace Board members that retire or fail to attend more than two consecutive International Conferences. There is also a proposal to add a new article to the regulations, No. 20, establishing the use of e-mail to inform about the activities, and to modify article No. 13, changing “Secretariat Coordinator” for “Secretary”, and “Organic Regulations” for “CARSAMPAF Committee Regulations”.  
These proposals would be discussed, commented upon, and voted on at the next meeting of the Committee, within the framework of the 7<sup>th</sup> CARSAMPAF International Conference to be held in Point Salines, Grenada, East Caribbean, on 24 - 27 November 2009.
- d) In as far as possible, the Board would hold a work meeting in 2010 in order to materialise the agreements reached at the meeting in Grenada, assess the progress made, and schedule the future tasks of the Committee. It would also serve to assess the status of implementation of the work programme and the commitments taken on by Group Coordinators, as well as their responsibilities as previously established in the regulations, and to study the possibility of improvement, by adding new tasks and activities to the Annual Work Programme, always bearing in mind the ultimate objective of the Committee, which is to contribute to safety in the States/Territories within its jurisdiction.
- e) The representatives of the Bird Strike and Fauna Committees of the States/Territories and CARSAMPAF Committee members are always encouraged to invite the airlines that operate in their State to participate actively and coordinate resources in order to jointly implement activities that will contribute to mitigate and control bird strike and fauna, and to register as members of our Regional Committee.
- f) The creation of National Bird Strike and Fauna Committees and Local Aerodrome Committees in the States is being constantly promoted through the web page and the Official Bulletin.
- g) Likewise, increased recording and reporting of fauna or bird strikes in the CAR/SAM States/Territories to ICAO is constantly being encouraged.
- h) In cases like these, the GREPECAS AGA/AOP/SG Subgroup is always advised of the activities carried out by the Regional Committee. The president of CARSAMPAF prepares and sends the corresponding working paper informing about the activities and tasks carried out by the CARSAMPAF Committee in the period between Subgroup meetings.

2.5 Some Group Coordinators of the Regional Committee have carried out important activities pursuant to their functions. In this sense, the following activities are worth mentioning:

#### 2.5.1 **Coordinator of the Central American Group (Hilda Valverde)**

- a) Following a letter from the president of the Committee, a document signed by the Director General of Civil Aviation of Costa Rica was sent to Guatemala, Belize,

Honduras, El Salvador, Nicaragua and Panama, accompanied by a questionnaire requesting information about problems faced by international airports in the Region regarding the presence of birds and other fauna that represent a safety risk; the mitigation measures taken; and the technological means used. All of this information will be collected in a database by the Coordinator and subsequently sent to the CARSAMPAF Committee, thus providing a much more documented vision of the impact of this problem and how is it being faced in Central America.

- b) The Coordinator has continued to promote communication and interaction with the bird strike and fauna coordinators of the Central American Region and Panama, *via* e-mail, with a view to exchanging experiences on this topic.
- c) She has carried out important activities aimed at the establishment of National Committees in Central American States.
- d) She has been making important contributions to the CARSAMPAF web page and Official Bulletin.
- e) She has been coordinating with the aeronautical authorities of her country to hold an International Conference on the Prevention of Bird Strike and Fauna in Costa Rica, in 2010.
- f) She has been coordinating with the Training Centre of COCESNA (*Corporación Centroamericana de Servicios de Navegación Aérea*), in El Salvador, the possibility of conducting a course on bird strike and fauna for all the professionals related to this topic.

#### 2.5.2

##### **Coordinator of the South American Group (Mariela Vergara)**

- a) The Coordinator has made important contributions to the CARSAMPAF web page and Official Bulletin.
- b) Thanks to her contribution to the web page, a heading with the logo of the Committee was added to each technical note.

#### 2.5.3

##### **Coordinator of the Aerodrome Group (Perla Bas)**

- a) The Coordinator has continued to collect from the States information about bird strike and fauna prevention programmes implemented at aerodromes. The idea is to generate a database that will permit an analysis of existing gaps in order to plan the future support of the Regional Committee to the States that so require.
- b) She has maintained contact with bird strike and fauna representatives of the States in order to know the situation of aerodromes in terms of the personnel engaged in the mitigation and control of the risk of birds and fauna for aeronautical operations. The idea is to collect information regarding the training of biologists and their support to the measures to be adopted.
- c) She has been making important contributions to the CARSAMPAF web page and Official Bulletin.

**2.5.4 Coordinator of the Statistics Group (Ángela Páez)**

- a) The Coordinator has collected the information sent by the States in order to develop bird strike graphical statistics for the CAR/SAM Region. Unfortunately, despite the requests, few States have provided the required information.
- b) She has been making important contributions to the CARSAMPAF web page and Official Bulletin.

**2.5.5 Coordinator of the Group of Airlines and Pilots/Controllers (Heriberto Salazar, pilot)**

- a) The Coordinator participated on behalf of IFALPA at the IBIS meeting held in England, in June 2009, where he took the opportunity to inform about the activities of the CARSAMPAF Committee.
- b) At the preliminary CARSAMPAF meeting to be held within the framework of the 7<sup>th</sup> International Conference of CARSAMPAF at Point Salines, Grenada, East Caribbean, on 24 - 27 November 2009, Mr. Heriberto Salazar will talk about the results of his participation at this event, in relation to bird strike and fauna, and will also inform CARSAMPAF members about the most important aspects addressed on that occasion.

**2.5.6 Coordinator of the Communication Advisory Group (Nicholas Carter)**

- a) The Coordinator has actively participated in the establishment and implementation of workshops, within the framework of the CARSAMPAF International Conference programme, especially in relation to safety management systems (SMS), from the point of view of bird strike and fauna management, and those related to risk management.

**3. Suggested action**

- 3.1 The Meeting is invited to take note of, review, and comment on, this working paper.

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## APPENDIX A

CAR/SAM REGIONAL COMMITTEE FOR THE PREVENTION OF BIRD STRIKE AND  
FAUNA (CARSAMPAF)

## BOARD - PERIOD 2008 - 2011

<b>Nº</b>	<b>POSITION</b>	<b>NAME OF REPRESENTATIVE</b>	<b>ORGANISATION/STATE</b>
<b>1</b>	<b>President</b>	<b>Roberto Cardoza Suil rcardoza@dgac.cl</b>	<b>DGAC/Chile</b>
<b>2</b>	<b>Vice – President</b>	<b>Carlos Fabian Bustos fbustos@aa2000.com.ar</b>	<b>ACI-LAC</b>
<b>3</b>	<b>Secretariat Coordinator</b>	<b>José Miguel Martínez Poblete jmartinez@dgac.cl</b>	<b>DGAC/Chile</b>
<b>4</b>	<b>Coordinator of the Statistics Group</b>	<b>Angela Inés Paez Piñeros apavez@aerocivil.gov.co</b>	<b>Aerocivil Colombia</b>
<b>5</b>	<b>Coordinator of the Aerodrome Group</b>	<b>Perla Elizabeth Bas Spósito perlabsv@yahoo.es</b>	<b>DINACIA Uruguay</b>
<b>6</b>	<b>Coordinator of the South American Group</b>	<b>Mariela Cecilia Vergara Vergara mvergara@baq.aero</b>	<b>Ernesto Cortissoz International Airport, Colombia</b>
<b>7</b>	<b>Coordinator of the Caribbean Group</b>	<b>Emeral Oree eoree@caa.gov.tt</b>	<b>Trinidad and Tobago</b>
<b>8</b>	<b>Coordinator of the Central American Group</b>	<b>Hilda Valverde Avalos Valverde@dgac.go.cr</b>	<b>DGAC Costa Rica</b>
<b>9</b>	<b>Coordinator of the Analysis, Development, and Investigation Group</b>	<b>Esteban Godinez Suarez godibec@yahoo.com</b>	<b>Tocumen International Airport – Panama</b>
<b>10</b>	<b>Coordinator of the Communication Advisory Group</b>	<b>Nicholas B. Carter nick@birdstrikecontrol.com</b>	<b>BCP United States</b>
<b>11</b>	<b>Coordinator of the Airline Group</b>	<b>Roxana Almiña Negrete ralmina@tagsa.aero</b>	<b>José J. Olmedo Airport, Ecuador</b>
<b>12</b>	<b>Coordinator of the Education/Training Group</b>	<b>Santiago Restrepo Calle aramides@gmail.com</b>	<b>Matacaña International Airport, Colombia</b>
<b>13</b>	<b>Coordinator of the Pilots' Group</b>	<b>Heriberto Salazar Eguiluz dirtecnico@aspa.org.mex</b>	<b>IFALPA</b>

**APPENDIX B**



**ANNUAL WORK PROGRAMME**

**YEAR 2009**

**CARSAMPAF**

<b>Prepared by</b>	<b>Reviewed by</b>	<b>Approved by</b>
Roberto Cardoza Suil José Miguel Martinez CARSAMPAF	President, Vice-president, and Secretary CARSAMPAF	Roberto Cardoza Suil President CARSAMPAF

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## 1. Introduction

Since the beginning of aviation, great efforts have been made to understand why accidents occur. Today, it is generally accepted that most accidents are caused by human error. Therefore, it would be easy to conclude that this human error indicates neglect or incompetence when performing a task; but this is not completely true. Investigators have found that human error is but the last link in a chain of errors leading to the accident. Accidents will be preventable when the real causal and latent effects are eliminated rather than trying to change the human being.

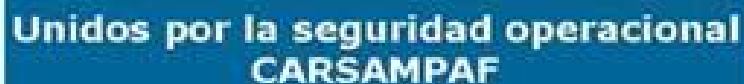
It is important to identify hazards in order to address threats, install barriers, and mitigate risks inherent to any process.

Safety indices will improve only through much dedication and effort by all the members of the aviation community dealing with safety.

It is precisely for this reason that our regional committee works with dedication to contribute to the safety, regularity and efficiency of aeronautical operations.

If we do our job well, that is, effectively mitigating the bird strike hazard, there is no doubt that we are on that path. We have seen at the annual international conferences that the bird strike hazard affects all regions, with different levels of probability and severity.

It is important to acknowledge the, sometimes, anonymous work of some of the members of the CARSAMPAF. Without their favourable attitude and permanent dedication, it would not be possible for us to remain active and effective. I make an appeal to all the Coordinators who have not done so yet, to join in this work that we all undertook with great enthusiasm from the first day we took office.



Unidos por la seguridad operacional  
CARSAMPAF

## 2. Representatives

- President
- Vice-President
- Secretary
- Coordinator of the Statistics Group
- Coordinator of the Aerodrome Group
- Coordinator of the South American Group
- Coordinator of the Caribbean Group
- Coordinator of the Central American Group
- Coordinator of the Analysis, Development and Investigation Group
- Coordinator of the Communications Advisory Group
- Coordinator of the Airline Group
- Coordinator of the Education/Training Group
- Coordinator of the Pilot/Controller Group

### 3. **Background**

- Annex 14, Vol. I, Amendments 4, 5 and 7 (Last edition)
- ICAO, Airport Service Manual, Part 3 (1991)
- ICAO, Airport Planning Manual, Part 2 (2002)
- ICAO, Third CAR/SAM Regional Air Navigation Meeting (1999)
- ICAO/CARSAMPAF, Sixth Joint IBSC/CARSAMPAF International Conference (Brasilia, Brazil 2008).

### 4. **General Objective**

Inform about the **2009 Annual Work Programme** of the **CAR/SAM Regional Committee for the Prevention of Bird Strike Hazard and Fauna**, known as **CARSAMPAF**, including all the tasks and activities to be carried out during the period by both the Board (President, Vice-president and Secretary) and the Group Coordinators, that will contribute to the mission for which the Regional Committee was created, all of which is aimed at improving safety in the Regions involved.

### 5. **Specific Objectives**

- Prioritise tasks and activities concerning bird strike hazard that are the responsibility of the CARSAMPAF Committee.
- Enable the exchange of experiences concerning bird strike hazard among CAR/SAM States/Territories.
- Measure the degree of communication and participation of the members, in order to assess their real commitment and contribution to the Regional Committee.
- Maintain permanent coordination between the Board and the various Group Coordinators of the Regional Committee.
- Contribute to minimise the risk of impact between aircraft and birds/fauna.
- Develop, on an ongoing basis, the activities carried out by the Regional Committee.
- Consolidate an efficient and integrated management, seeking to implement the measures recommended by ICAO.
- Consolidate an efficient information dissemination system.

### 6. **Scheduled Tasks**

6.1 State/Territory representatives who wish to make a presentation at the Seventh International Conference on Bird Strike Hazard and Fauna to be held in Grenada, East Caribbean, on 24-27 November 2009, shall e-mail a summary of their presentation (in Spanish and English) to the president of CARSAMPAF. The summary shall be submitted in a Microsoft Word file, approximately 300-word long, indicating the title of the presentation, name of the author, and the time required for making the presentation, which should be about 30 minutes.

**Deadline: 30 July 2009.**

**Lines of Action:**

- a) Members of the CARSAMPAF and bird strike hazard and fauna representatives designated by the aeronautical authorities of the States/Territories of the Region are requested and encouraged to work in this sense, sharing experiences and making contributions that will help States know of other realities and the way in which some situations can be addressed more successfully.
- b) The Coordinators of the South American, Central American and Caribbean Groups will cooperate in this regard and will be responsible for making sure that State/Territory representatives of their respective jurisdiction that wish to make presentations at this event meet the requirements of item 6.1 on a timely basis.
- c) The President of CARSAMPAF shall prepare a presentation to be delivered at the Seventh International Conference on the progress made by the Regional Committee.

6.2 Delivery of proposals of modification to the Operating Regulations to the Secretary of CARSAMPAF.

**Deadline: 30 August 2009.**

**Lines of Action:**

- a) All members of the CARSAMPAF are requested to critically analyse the Operating Regulations and submit their proposals of modification to the Secretary of CARSAMPAF on a timely basis.
- b) The ten (10) Group Coordinators are requested to study, from the point of view of their activities and functions, the convenience of presenting to the Secretary of CARSAMPAF proposals of modification to the Operating Regulations, in order to improve the operation of the Regional Committee within the scope of work.

6.3 Work meeting of the Board (President, Vice-president and Secretary) to analyse the situation of CARSAMPAF, assess the status of compliance with the 2008 and 2009 Work Programme, prepare the agenda for the preliminary meeting of the Regional Committee to be held the day before the inauguration of the 2009 International Conference in Grenada (the Caribbean), and prepare the agenda and outline, on a preliminary basis, the activities and tasks to be included in future Work Programmes.

**Deadline: 1-2 October 2009.**

**Lines of Action:**

- a) The Board will coordinate to define the venue of the meeting and make arrangements so that, if the dates and activities so allow, the AGA Officer of the ICAO NACC Regional Office may participate at that meeting in order to obtain guidelines and important comments and suggestions regarding the operation of CARSAMPAF.
- b) The Group Coordinators or members of the Regional Committee that wish to present a specific topic for discussion at this meeting or make any suggestion to be analysed and included in the next meeting of the CARSAMPAF or in the next 2010 Work Programme may send their proposals in writing or by e-mail.

6.4 To encourage the bird strike hazard and fauna representatives designated by the aeronautical authorities of CAR/SAM States/Territories to invite the airlines operating in their State to participate actively and jointly address bird strike hazard and fauna mitigation and control activities in their jurisdiction.

**Deadline: Ongoing.**

**Lines of Action:**

- a) All Group Coordinators, especially the Coordinators of the Airline and Pilot/Controller Groups, are requested to promote this important and ongoing task among domestic and foreign public transportation aircraft operators, making the necessary arrangements to achieve the expected results in a creative manner.
- b) The Coordinator of the Airline Group is requested to get in contact with the other Group Coordinators in order to learn of the arrangements made regarding the item above, and to report on the results every six months to the CARSAMPAF Board by e-mail.

6.5 To encourage the creation of National Bird Strike Hazard and Fauna Committees and Aerodrome Committees in the States/Territories of the Region.

**Deadline: Ongoing (report on September 2009).**

**Lines of Action:**

- a) The Coordinator of the Aerodrome Group, in coordination with the Coordinators of the South American, Central American, and Caribbean Groups, will get in contact, by e-mail, with the bird strike hazard representatives of CAR/SAM States/Territories in order to foster the creation of National Committees and Local Aerodrome Committees. In September 2009, the Aerodrome Coordinator will inform the CARSAMPAF Board, by e-mail, of the results obtained.
- b) It is also important for the aforementioned Coordinators to ask the bird strike hazard representatives of the States whether there are any impediments or difficulties for accomplishing this task, and address the technical concerns, sending their comments and suggestions to the CARSAMPAF Board.
- c) They should also request and encourage the bird strike hazard and fauna representatives of the States/Territories to participate actively in the lectures, seminars or other activities organised by the National Committees and/or Aerodrome Committees of the States/Territories of the Regions, and send the papers and/or presentations by e-mail to the CARSAMPAF Board for publication in the web page and in the Official Bulletin.

6.6 To increase the number of reports submitted to ICAO on collisions between aircraft and birds or fauna in the States/Territories of the Region.

**Deadline: Ongoing.**

**Lines of Action:**

The Coordinator of the Statistics Group:

- a) Will prepare a statistical report, by State/Territory, on bird or fauna impacts recorded in 2008 and the first half of 2009, and will send it to the CARSAMPAF Board by e-mail on 30 September 2009.
- b) Will update the list of States/Territories of the Region that have contributed to the ICAO bird strike information system (IBIS) and those involving bird strikes, and will send it to the Board on 30 September 2009.
- c) Will prepare a list of animal species in our Regions that have been historically reported to the IBIS system, and will send it by e-mail to the CARSAMPAF Board on 30 August 2009.
- d) Will encourage the States/Territories of the Region, through their bird strike hazard and fauna representatives, to coordinate workshops with aerodrome and aircraft operators, in order to promote an ongoing recording and reporting of bird strikes (IBIS), highlighting the importance of sending such reports to ICAO.

6.7 To manage the website and prepare the Official Bulletins of the Regional Bird Strike Hazard and Fauna Committee (CARSAMPAF).

**Deadline: For the website: Ongoing.  
For the bulletins: One each semester.**

**Lines of Action:**

The vice-president of CARSAMPAF:

- a) Will call upon the Group Coordinators to send material and/or news about the bird strike hazard and fauna for inclusion in both the website and the Official Bulletin of CARSAMPAF.
- b) Will arrange for the drafting and publication in Spanish--and ideally in English--of the Official Bulletin and the articles to be posted on the Committee web page.
- c) In September 2009, in order to have fluid coordination, will inform the president of CARSAMPAF, by e-mail, of all the arrangements made and the results obtained from this task.

6.8 To strengthen the exchange of experiences and knowledge with universities and organisations related to the mission of CARSAMPAF and professionals whose work supplements the activities of the Committee.

**Deadline: Ongoing.**

**Lines of Action:**

**The Coordinator of the Education and Training Group:**

- a) Will encourage the States/Territories, through their bird strike hazard representative, to make arrangements for the participation of universities in bird strike hazard and fauna studies.

- b) Will prepare a report with the scientific names of the most common species of the States/Territories that have struck aircraft, and will send it to the Board of CARSAMPAF on 30 August 2009.

**The Coordinator of the Analysis, Development and Investigation Group:**

- a) Will make arrangements to obtain, from all the Coordinators and bird strike hazard and fauna representatives of the States/Territories, reports containing the results of any investigation in connection with the work of the Committee, and will send them to the vice-president for publication on the CARSAMPAF web page and Official Bulletin.
- b) Will create a database to record information on bird strike hazard and fauna:
- Aerodrome operators that have bird strike hazard committees.
  - Professionals dealing with bird strike hazard.
  - Common and scientific names, and basic data on the main bird and animal species that have struck aircraft in our Regions (to be requested from the Coordinator of the Education and Training Group).
  - Flight phases most frequently involved in bird strikes, according to recorded statistics.
  - Bird-strike mitigation techniques that have proven most successful, by State/Territory.

Information on the progress made in this broad task will be sent to the Board of the Regional Committee, on 30 September 2009.

6.9 To prepare and coordinate the participation of the Regional Committee at the Seventh International Conference of CARSAMPAF to be held in Grenada on 24-27 November 2009, and study the possibility of participating at other international events.

**Deadline: 31 October 2009.**

**Lines of Action:**

- a) The Board of CARSAMPAF (President, Vice-president and Secretary) will coordinate with the AGA Officer of the ICAO NACC Regional Office the work agenda for the preliminary meeting of the Regional Committee to be held on the day before the Seventh International Conference on Bird Strike and Fauna in Grenada.
- b) The Board of CARSAMPAF will study the possibility and convenience of giving lectures on bird strike hazard and fauna issues at the conferences and exhibitions to be scheduled by ICAO, IATA, and ACI-LAC in the CAR/SAM Regions.

6.10 To prepare a “follow-up report” on the status of implementation of each of the tasks of the Work Programme, and to outline some basic topics to be included in the Work Programme of the following year.

**Deadline: “Follow-up report”: 15 October 2009.**  
**Basic topics for the 2010 work programme: 15 December 2008.**

**Lines of Action:**

- a) The Secretary of the Regional Committee will make arrangements with the Group Coordinators for the drafting and presentation to the president and vice-president, of a “follow-up report” on the status of implementation of the tasks and activities of the 2009 Annual Work Programme.
- b) Each Group Coordinator will be responsible for preparing on a timely basis and presenting to the Secretariat of the Committee, when so requested, the tasks and activities carried out within its field of competence. They can also make suggestions to be discussed and included in the Annual Work Programme of the following year.

6.11 To inform the (ICAO) GREPECAS AGA/AOP/SG Subgroup about the activities carried out by CARSAMPAF.

**Deadline: Subject to the date of the GREPECAS AGA/AOP/SG Subgroup meeting.**

**Line of Action:**

- a) The president of CARSAMPAF, with the advice of the vice-president and the secretary, shall draft a working paper on the activities carried out by the CARSAMPAF Regional Committee.

**7. Performance Indicator**

The performance indicator will be the percentage of compliance with each task, as a practical tool that provides quantitative information about the outcome of the activities defined in the Annual Work Programme of the CARSAMPAF Regional Committee. This percentage may be compared with previous periods to assess the performance of those responsible for carrying out the tasks of the Committee.

The level of communication of each member of the Committee will also be measured based on his/her contribution to the Committee, e-mails, the delivery of papers, and any other contribution to the CARSAMPAF. This will enable the Committee Board to assess the real commitment of its members and to act accordingly.

**8. Administrative Provisions**

For the implementation of the tasks and activities contained in this Work Programme, the Board and the Group Coordinators responsible for each of them are urged to comply with the established provisions, to respect Programme deadlines, and to send the results of their activities in due time.

(signed)  
Roberto Cardoza  
**President of the Regional Committee**  
**CARSAMPAF**