



International Civil Aviation Organization

CAR/SAM REGIONAL PLANNING IMPLEMENTATION GROUP (GREPECAS)

**Fifth Meeting of the GREPECAS Aerodromes and Ground Aids /  
Aerodrome Operational Planning Subgroup (AGA/AOP/SG/5)**

Montevideo, Uruguay, 20 to 24 November 2005

AGA/AOP/SG/-WP/08

16/10/06

**Agenda Item 3:           Review of AGA Deficiencies**  
**3.5     Aerodromes Certification/Safety Management Systems (SMS)**

**CERTIFICATION OF AERODROMES AND SAFETY MANAGEMENT SYSTEMS**

(Presented by the Secretariat)

**SUMMARY**

This working paper presents a summary of the status of implementation of the aerodromes certification and implementation of the Safety Management Systems (SMS) in the CAR/SAM Regions.

**References:**

- Annex 14, Volume I, Aerodromes - Aerodrome Design and Operations, Fourth Edition, July 2004
- Doc 9774-AN/969, Manual on Certification of Aerodromes, 1st Edition, 2001
- Doc 9859, AN/460, Safety Management Manual (SMM), 1<sup>st</sup> Edition, 2006
- State Letter AN 12/46-06/52, of 30 June 2006
- Surveys through State Letters from ICAO Regional Offices, dated 24/08/04 (SA842 LT/10/2.1), 27/09/05 (SA830) and 21/07/06 (SA525)
- Report of the 2nd Meeting of the GREPECAS AGA/AOP/SG, (AGA/AOP/SG/2), Lima, Peru, 26-29 August 2002
- Report of the 3rd Meeting of the GREPECAS AGA/AOP/SG, (AGA/AOP/SG/3), Monterrey, Mexico, 30 September-03 October 2003
- Report of the 4th Meeting of the GREPECAS AGA/AOP/SG, (AGA/AOP/SG/4), Mexico City, Mexico, 15-18 November 2004

**1.           Introduction**

1.1           Chapter 1 of Annex 14, Volume I, 4th Edition, in its Section 1.3, "Certification of Aerodromes", requires as a standard, that, through an appropriate regulatory framework, States shall certify the aerodromes used for international operations, as from 27 November 2003. Likewise, the Section establishes that as from 24 November 2005, also as a standard, a certified aerodrome will have a Safety Management System (SMS) in service.

1.2 GREPECAS, through the AGA/AOP Subgroup, in its second, third and fourth meetings, has made follow-ups to the implementation of the aerodrome certification in the CAR/SAM Regions. Likewise, ICAO Regional Offices have performed specific training on the matter to the States/Territories, taking as reference the ICAO Manual on Certification of Aerodromes (Doc 9774), and also the recent ICAO Safety Management Manual.

1.3 The SAM Regional Office, supported by the NACC Regional Office, held from 4 to 8 April 2005 a Workshop on Safety Management Systems for the States of both Regions, in compliance with DRAFT CONCLUSION 4/2 of the AGA/AOP Subgroup. Later, the Guidance Manual on Safety Management Systems for Airports (SIGESOA), was circulated to the States/Territories.

1.4 ICAO has a programme of 7 training regional courses on SMS for 2006 (3 courses) and 2007 (4 courses). Also, the Organization supplied these courses in Panama (August/2006) and Brazil (September 2006). Additional information on how to obtain these courses, can be found in State Letter AN/12/46-06/52.

## **2. Discussion**

2.1 The surveys carried out and presented to the second, third and fourth meetings of the AGA/AOP/SG indicated the progress of States/Territories on their basic aviation law and the implementation of regulations for aerodrome certification from a general viewpoint. After the last meeting, States/Territories were requested to inform, in an objective manner, on the progress of the certification of each one of their aerodromes, so that possible specific training needs could be identified, as well as support from ICAO Technical Co-operation or other necessary aspects to comply with the ICAO SARPs in this regard.

2.2 The same initiative mentioned in the preceding paragraph, was taken regarding the Safety Management Systems, mainly, after the elaboration of the ICAO Manual on this matter.

2.3 The main results of the surveys carried out with the States/Territories are presented in Tables 01 to 04 of **Appendices A** to this working paper, respectively, for the implementation of the Basic Documentation and for the certification of each aerodrome. Likewise, the progress of implementation of the basic documentation and the SMS implementation is presented in Tables 01 to 02, of **Appendix B**, respectively.

2.4 Unfortunately, few States/Territories replied to the survey. It is supposed that the cause of this, is the lack of implementation of these standards in their respective international airports. The Delegates to this Meeting will have the opportunity to discuss the matter and provide the necessary guidelines to be taken by ICAO and the States/Territories so that the problem is duly solved.

## **3. Suggested Action**

3.1 The Meeting is invited to note, review, comment on this working paper and update the information contained in Tables 01 and 02 of **Appendices A** and **B**. Likewise, the Meeting will have the opportunity to consider the actions requested by ICAO and by the States/Territories for the total certification of their respective international aerodromes and implementation of the Safety Management Systems, and, if necessary, to indicate the need for complementary specific training.

**IMPLEMENTATION OF AERODROME CERTIFICATION IN THE STATES/TERRITORIES OF THE CAR REGION**

**AERODROMES INCLUDED IN THE REGIONAL AIR NAVIGATION PLAN (ANP)**

**Table 01** – Progress of the basic documentation for aerodrome certification (CAR Region)

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR CERTIFICATION					
		Responsible body	Finalized	On-going		Planned	
			Published in:	Started in:	Publication foreseen for:	Started in:	Finalization:
Anguilla	1	CAA	---				
Antigua and Barbuda	1	OECS/CAD	---				
Aruba	1	DCA	1998				
Bahamas	11	DCA	---				
Barbados	1	TDA	2004				
Belize	1	CAD	---				
Bermuda	3	CAA	---				
British Virgin Islands	2	CAA	---				
Cayman Islands	2	CAD	---				
Costa Rica	4	DGAC	2004				
Cuba	7	IACC	2003				
Dominican Republic	7	DGAC	2004				
El Salvador	2	AAC	2005				
French Antilles	4	DRAC	2002				
Grenada	2	OECS/CAD	---				
Guatemala	4	DGAC	---				
Haiti	2	OFNAC	---				
Honduras	4	DGAC	2004				
Jamaica	2	JCAA	2003				
Mexico	42	DGAC	2005				
Montserrat	1	CAA	---				
Netherlands Antilles	5	CANA	1998				
Nicaragua	2	DGAC	2005				
Saint Kitts and Nevis	2	OECS/CAD	---				
Saint Lucia	2	OECS/CAD	---				
Saint Vincent and the Grenadines	5	OECS/CAD	---				

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR CERTIFICATION					
		Responsible body	Finalized	On-going		Planned	
			Published in:	Started in:	Publication foreseen for:	Started in:	Finalization:
Trinidad and Tobago	2	TTCAA	2005				
Turks and Caicos Islands	3	CAA	---				
United States	7	FAA	1972				
Dominica	2	OECS/CAD	---				
<b>TOTAL</b>	<b>134</b>						

**Table 02** – Progress on certification of aerodromes included in Doc 8733/FASID (CAR Region)

STATE/TERRITORY	N° OF AERODROMES	RESPONSIBLE BODY	NUMBER OF CERTIFIED AERODROMES /ON-GOING/PLANNED		
			Certified	On-going	Planned
Anguilla	1	CAA	---	---	---
Antigua and Barbuda	1	OECS/CAD	---	---	---
Aruba	1	DCA	1	---	---
Bahamas	11	DCA	---	---	---
Barbados	1	TDA	---	1	---
Belize	1	CAD	---	---	---
Bermuda	3	CAA	---	---	---
British Virgin Islands	2	CAA	---	---	---
Cayman Islands	2	CAD	---	---	---
Costa Rica	4	DGAC	---	1	---
Cuba	7	IACC	2	---	---
Dominican Republic	7	DGAC	---	6	---
El Salvador	2	AAC	---	---	---
French Antilles	7	DRAC	7	---	---
Grenada	2	OECS/CAD	---	---	---
Guatemala	4	DGAC	---	---	---
Haiti	2	OFNAC	---	---	---
Honduras	4	DGAC	---	---	---
Jamaica	2	JCAA	---	---	---
Mexico	42	DGAC	---	---	---
Montserrat	1	CAA	---	---	---
Netherlands Antilles	5	CANA	5	---	---

STATE/ TERRITORY	N° OF AERODROMES	RESPONSIBLE BODY	NUMBER OF CERTIFIED AERODROMES /ON-GOING/PLANNED		
			Certified	On-going	Planned
Nicaragua	2	DGAC	---	---	---
Saint Kitts and Nevis	2	OECS/CAD	---	---	---
Saint Lucia	2	OECS/CAD	---	---	---
Saint Vincent and the Grenadines	5	OECS/CAD	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---
Turks and Caicos Islands	3	CAA	---	---	---
United States	7	FAA	7	---	---
Dominica	2	OECS/CAD	---	---	---
<b>TOTAL</b>	<b>134</b>		<b>22</b>	<b>8</b>	<b>0</b>

**IMPLEMENTATION OF AERODROME CERTIFICATION IN THE STATES/TERRITORIES OF THE SAM REGION**

**AERODROMES INCLUDED IN THE REGIONAL AIR NAVIGATION PLAN (ANP)**

**Table 03** – Progress of the basic documentation for aerodrome certification (SAM Region)

STATE/ TERRITORY	N° OF AERODROME S	BASIC DOCUMENTATION FOR CERTIFICATION					
		Responsible Body	Finalized	On-going		Planned	
			Published in	Started in	Publication scheduled for:	Start in:	End
Argentina	16	FAA	September 2004	---	---	---	---
Bolivia	05	DGAC	October 2004	---	---	---	---
Brazil	26	DAC	---	---	---	---	---
Chile	08	DGAC	April 2003	---	---	---	---
Colombia	08	AEROCIVIL	---	---	---	---	---
Ecuador	04	DGAC	February 2005	---	---	---	---
Guyana	01	CAA	June 2004	---	---	---	---
French Guyana	01	CAA	---	---	---	---	---
Panama	05	DGAC	---	---	---	---	---
Paraguay	02	DINAC	October 2002	---	---	---	---
Peru	08	DGAC	February 2005	---	---	---	---
Suriname	03	CAA	---	---	---	---	---
Uruguay	06	DINACIA	---	---	---	---	---
Venezuela	07	DGAC	---	---	---	---	---
<b>TOTAL</b>	<b>100</b>	---	---	---	---	---	---

**Table 04** – Progress on certification of aerodromes included in Doc 8733/FASID (SAM Region)

STATE/ TERRITORY	N° OF AERODROME S	RESPONSIBLE BODY	NUMBER OF CERTIFIED AERODROMES/IN PROCESS/PLANNED				
			Certified	On-going		Planned	
				Started in:	Publication scheduled for:	Start in:	End
Argentina	16	FAA	01	---	---	15 in 2006	*ND
Bolivia	05	DGAC	03	---	---	---	---
Brazil	26	DAC	---	---	---		
Chile	08 <sup>(1)</sup>	DGAC	---	---	---	1 in 2006, 2 en 2007, 2 in 2008, 2 in 2009	1 in 2006
Colombia	08	AEROCIVIL	---	---	---		
Ecuador	04	DGAC	01	---	---	1 in 2005, 2 in 2006	2 in 2006, 1 in 2007
Guyana	01	CAA	01	---	---		
French Guyana	01	CAA	---	---	---		
Panamá	05	DGAC	---	---	---		
Paraguay	02	DINAC	---	02	---		
Peru	08	DGAC	08	---	---		
Suriname	03	CAA	---	---	---		
Uruguay	06	DINACIA	---	---	---		
Venezuela	07	DGAC	---	---	---		
<b>TOTAL</b>	<b>100</b>	<b>---</b>	<b>14</b>	<b>02</b>	<b>---</b>	<b>25 (2005-2009)</b>	<b>04 (2006-2007)</b>

\*ND – Not defined

<sup>(1)</sup> All the airports were submitted to a pre-certification in 2003, except TEMUCO/Manquehue because the construction of a new airport is being planned for TEMUCO

**RESULTS OF THE INQUIRY CARRIED OUT IN THOSE AERODROMES USED FOR INTERNATIONAL OPERATIONS ON SAFETY MANAGEMENT SYSTEM (SMS) IN THE CAR REGION**

**AERODROMES INCLUDED IN THE REGIONAL AIR NAVIGATION PLAN (ANP)**

**Table 01** – Progress of the basic documentation for SMS implementation (CAR Region)

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible body	Finalized Published in:	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization:
Anguilla	1	CAA	---	---	---	---	---
Antigua and Barbuda	1	OECS/CAD	---	---	---	---	---
Aruba	1	DCA	---	---	---	---	---
Bahamas	11	DCA	---	---	---	---	---
Barbados	1	TDA	2005	2006	---	---	---
Belize	1	CAD	---	---	---	---	---
Bermuda	3	CAA	---	---	---	---	---
British Virgin Islands	2	CAA	---	---	---	---	---
Cayman Islands	2	CAD	---	---	---	---	---
Costa Rica	4	DGAC	2005	2006	---	---	---
Cuba	7	IACC	2004	2006	---	---	---
Dominican Republic	7	DGAC	---	---	---	---	---
El Salvador	2	AAC	2005	2006	---	---	---
French Antilles	4	DRAC	---	---	---	---	---
Grenada	2	OECS/CAD	---	---	---	---	---
Guatemala	4	DGAC	---	---	---	---	---
Haiti	2	OFNAC	---	---	---	---	---
Honduras	4	DGAC	---	---	---	---	---
Jamaica	2	JCAA	---	---	---	---	---
Mexico	42	DGAC	2005	---	---	---	---
Montserrat	1	CAA	---	---	---	---	---
Netherlands Antilles	5	CANA	---	---	---	---	---
Nicaragua	2	DGAC	---	---	---	---	---
Saint Kitts and Nevis	2	OECS/CAD	---	---	---	---	---
Saint Lucia	2	OECS/CAD	---	---	---	---	---

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible body	Finalized Published in:	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization:
Saint Vincent and the Grenadines	5	OECS/CAD	---	---	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---	---	---
Turks and Caicos Islands	3	CAA	---	---	---	---	---
United States	7	FAA	2006	2007	---	---	---
Dominica	2	OECS/CAD	---	---	---	---	---
<b>TOTAL</b>	<b>134</b>						

**Table 02** – Progress of the basic documentation for SMS implementation in the aerodromes included in Doc 8733/FASID (CAR Region)

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible body	With SMS	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization:
Anguilla	1	CAA	---	---	---	---	---
Antigua and Barbuda	1	OECS/CAD	---	---	---	---	---
Aruba	1	DCA	---	---	---	---	---
Bahamas	11	DCA	---	---	---	---	---
Barbados	1	TDA	---	---	---	2006	---
Belize	1	CAD	---	---	---	---	---
Bermuda	3	CAA	---	---	---	---	---
British Virgin Islands	2	CAA	---	---	---	---	---
Cayman Islands	2	CAD	---	---	---	---	---
Costa Rica	4	DGAC	---	---	---	2006	---
Cuba	7	IACC	---	---	---	2006	---
Dominican Republic	7	DGAC	---	---	---	---	---
El Salvador	2	AAC	---	---	---	2006	---
French Antilles	4	DRAC	---	---	---	---	---
Grenada	2	OECS/CAD	---	---	---	---	---
Guatemala	4	DGAC	---	---	---	---	---
Haiti	2	OFNAC	---	---	---	---	---
Honduras	4	DGAC	---	---	---	---	---

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible body	With SMS	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization:
Jamaica	2	JCAA	---	---	---	---	---
Mexico	42	DGAC	1 (TLC)	---	---	---	---
Montserrat	1	CAA	---	---	---	---	---
Netherlands Antilles	5	CANA	---	---	---	---	---
Nicaragua	2	DGAC	---	---	---	---	---
Saint Kitts and Nevis	2	OECS/CAD	---	---	---	---	---
Saint Lucia	2	OECS/CAD	---	---	---	---	---
Saint Vincent and the Grenadines	5	OECS/CAD	---	---	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---	---	---
Turks and Caicos Islands	3	CAA	---	---	---	---	---
United States	7	FAA	---	---	---	2007	---
Dominica	2	OECS/CAD	---	---	---	---	---
<b>TOTAL</b>	<b>134</b>						

**RESULTS OF THE INQUIRY CARRIED OUT WITH THE STATES ON SAFETY MANAGEMENT SYSTEMS (SMS)  
IMPLEMENTATION IN THE SAM REGION**

**AERODROMES OF THE REGIONAL AIR NAVIGATION PLAN (ANP)**

**Table 03** – Progress of the basic documentation for SMS implementation (SAM Region)

STATE	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible Body	Finalized	On-going		Planned	
			Published in:	Started in:	Publication scheduled for:	Start in:	End in:
Argentina	16	FAA	September 2004	---	---	---	---
Bolivia	05	DGAC	---	---	---	NOV 2006	FEB2007
Brazil	26	DAC	---	---	---	---	---
Chile	08	DGAC	---	---	DEC 2006	---	---
Colombia	08	AEROCIVIL	---	---	---	---	---
Ecuador	04	DGAC	February 2005	---	---	---	---
Guyana	01	CAA	---	---	---	---	---
French Guyana	01	CAA	---	---	---	---	---
Panama	05	DGAC	---	---	---	---	---
Paraguay	02	DINAC	---	---	---	---	---
Peru	08	DGAC	---	---	---	---	---
Suriname	03	CAA	---	---	---	---	---
Uruguay	06	DINACIA	---	---	---	---	---
Venezuela	07	DGAC	---	---	---	AUG 2006	DEC 2006
<b>TOTAL</b>	<b>100</b>	---	<b>2</b>	---	<b>1</b>	<b>2</b>	<b>2</b>

**Table 04** – Progress of the SMS implementation in the aerodromes included in Doc 8733/FASID (SAM Region)

STATE	N° OF AERODROMES	RESPONSIBLE BODY	NUMBER OF AERODROMES WITH SMS/IN PROCESS/PLANNED				
			With SMS	In process		Planned	
				Started in:	End	Start in:	End
Argentina	16	FAA	---	---	---	3 in 2007	*ND
Bolivia	05	DGAC	03	---	---	---	---
Brazil	26	DAC	---	---	---		
Chile	08 <sup>(1)</sup>	DGAC	---	---	---	3 in 2007, 4 in 2008	3 in 2007, 4 in 2008
Colombia	08	AEROCIVIL	---	---	---		
Ecuador	04	DGAC	01	---	---	---	---
Guyana	01	CAA	---	---	---		
French Guyana	01	CAA	---	---	---		
Panamá	05	DGAC	---	---	---		
Paraguay	02	DINAC	---	---	---		
Peru	08	DGAC	---	---	---		
Surinam	03	CAA	---	---	---		
Uruguay	06	DINACIA	---	---	---		
Venezuela	07	DGAC	---	---	---	1 in 2006, 4 in 2007, 2 in 2008	5 in 2007, 2 in 2008
<b>TOTAL</b>	<b>100</b>	<b>---</b>	<b>04</b>	<b>---</b>	<b>---</b>	<b>17 (2006-2008)</b>	<b>14 (2007-2008)</b>

\*ND – No defined

<sup>(1)</sup> Regarding TEMUCO/Manquehue, it is planned the construction of a new aerodrome

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