



International Civil Aviation Organization

CAR/SAM Regional Planning Implementation Group (GREPECAS)

Sixth Meeting of the GREPECAS Aerodromes and Ground Aids / Aerodrome Operational Planning Subgroup (AGA/AOP/SG/6)

Montevideo, Uruguay, 20 to 24 November 2005

AGA/AOP/SG/6-WP/07

17/04/08

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), 1st Edition, 2006
- State Letter AN 12/46-06/52, of 30 June 2006
- Surveys through State Letters from ICAO Regional Offices

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, 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), the ICAO Safety Management Manual, and most recently, the official ICAO courses on SMS.

- 1.3 The SAM Regional Office carried out the following workshops/courses:
- a) ICAO Workshop on Safety Management Systems (SMS) for NAM/CAR/SAM Airport Operators – Spanish speaking (Buenos Aires, Argentina, 4 to 8 April 2005);
 - b) Regional Course on Implementation of ICAO Safety Management Systems (SMS) (Caracas, Venezuela, 3 to 7 September 2007); and
 - c) Workshop to generate guidelines for the Implementation of: 1) Phase 1 of the States' Safety Programme. 2) Phases 1 and 2 of the ICAO Safety Management System (Santiago, Chile, 7-11 April 2008).

1.4 In addition, ICAO has continued with its regional training programme on SMS, providing these courses to Argentina (March and June 2007), Bolivia (August 2007), Brazil (September 2006), Chile (March and July 2007), Colombia (February and September 2007), Ecuador (September 2007 and August 2008), Panamá (August 2006 and April 2007), Paraguay (August 2007), Perú (March 2007), Uruguay (December 2007) and Suriname (March 2008). 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 previous 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 NACC and SAM 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 04, of **Appendix B**, respectively.

2.4 Unfortunately, some States/Territories have not 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, and comment on this working paper and update the information contained in Tables 01 and 04 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	---				
TOTAL	134						

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	---	---
Nicaragua	2	DGAC	---	---	---

STATE/ TERRITORY	N° OF AERODROMES	RESPONSIBLE BODY	NUMBER OF CERTIFIED AERODROMES /ON-GOING/PLANNED		
			Certified	On-going	Planned
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	---	---	---
TOTAL	134		22	8	0

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 AERODROMES	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	ANAC	November 2003	---	---	---	---
Chile	07 ⁽¹⁾	DGAC	April 2003	01 APR 07*	01 DEC 07*	---	---
Colombia	08	AEROCIVIL	---	---	---	---	---
Ecuador	04	DGAC	February 2005	---	---	---	---
Guyana	01	CAA	June 2004	---	---	---	---
French Guyana	01	CAA	January 2006	---	---	---	---
Panama	05	DGAC	---	---	---	---	---
Paraguay	02	DINAC	October 2002	---	---	---	---
Peru	08	DGAC	February 2005	---	---	---	---
Suriname	03	CAA	---	---	---	---	---
Uruguay	06	DINACIA	---	---	---	---	---
Venezuela	07	INAC	April 2005	---	---	---	---
TOTAL	99	---	10 States	---	---	---	---

⁽¹⁾ TEMUCO/Manquehue was taken out of the ANP according to amendment circulated among all the States.

*Revision of the Document N° 04/A/957/02

No information from: Colombia, Panama, Suriname and Uruguay

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

STATE/ TERRITORY	N° OF AERODROMES	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 en 2006	*ND
Bolivia	05	DGAC	03	---	---	---	---
Brazil**	26	ANAC	---	07 in JUL 06	07 in DEC 07	07 in OCT 07, 07 in FEB 08, 07 in AUG 08 and 04 in NOV 08	07 in NOV 08, 07 in JAN 09, 07 in JUL 09 and 04 in OCT 09
Chile	07 ⁽¹⁾	DGAC	---	---	---	02 in 2008, 03 in 2009 and 02 in 2010	
Colombia	08	AEROCIVIL	---	---	---		
Ecuador	04	DGAC	01	01 in SEP 06 and 01 in JUL 07	01 in SEP 07 and 01 in JUL 07	01 in JAN 08	01 in FEB 09
Guyana	01	CAA	01	---	---		
French Guyana	01	CAA	---	---	---	2008	2009
Panamá	05	DGAC	---	---	---		
Paraguay	02	DINAC	---	02	---		
Peru	08	DGAC	08	---	---		
Suriname	03	CAA	---	---	---		
Uruguay	06	DINACIA	---	02 in NOV 06	---		
Venezuela	07	INAC	---	01 in JUL 07	---		
TOTAL	99	---	14	14	09	49 (2006-2010)	27 (2008-2009)

*ND – Not defined

⁽¹⁾ TEMUCO/Manquehue was taken out of the ANP according to amendment circulated among all the States.

** 32 aeropuertos will be certified. However, 04 of them are not in the ANP

No information from: Colombia, Panama, Suriname and Uruguay

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	---	---	---	---	---
Saint Vincent and the	5	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:
Grenadines							
Trinidad and Tobago	2	TTCAA	---	---	---	---	---
Turks and Caicos Islands	3	CAA	---	---	---	---	---
United States	7	FAA	2006	2007	---	---	---
Dominica	2	OECS/CAD	---	---	---	---	---
TOTAL	134						

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	---	---	---	---	---
Jamaica	2	JCAA	---	---	---	---	---
Mexico	42	DGAC	1 (TLC)	---	---	---	---

STATE/TERRITORY	N° OF AERODROMES	BASIC DOCUMENTATION FOR SMS					
		Responsible body	With SMS	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization:
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	---	---	---	---	---
TOTAL	134						

**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	Responsible Body	BASIC DOCUMENTATION FOR SMS				
			Finalized	On-going		Planned	
			Published in:	Started in:	Publication scheduled for:	Start in:	End in:
Argentina	16	FAA	---	MAR 2007	---	---	---
Bolivia	05	DGAC	---	---	---	NOV 2006	FEB2007
Brazil	26	ANAC	---	---	---	---	---
Chile	07 ⁽¹⁾	DGAC	---	---	DEC 2006	---	---
Colombia	08	AEROCIVIL	---	---	---	JAN 2008	JUL 2008
Ecuador	04	DGAC	February 2005	---	---	---	---
Guyana	01	CAA	March 2007	---	---	---	---
French Guyana	01	CAA	---	---	---	---	---
Panama	05	DGAC	---	---	---	---	---
Paraguay	02	DINAC	---	---	---	---	---
Peru	08	DGAC	---	---	---	---	---
Suriname	03	CAA	---	---	---	---	---
Uruguay	06	DINACIA	---	---	---	---	---
Venezuela	07	INAC	---	August 2006	---	---	---
TOTAL	99	---	---	---	---	---	---

(¹) TEMUCO/Manquehue was taken out of the ANP according to amendment circulated among all the States.

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	---	01	---	3 en 2007	*ND
Bolivia	05	DGAC	03	---	---	---	---
Brazil**	26	ANAC	---	07 in JUL 06	07 in DEC 07	07 in OCT 07, 07 in FEB 08, 07 in AGO 08 and 04 in NOV 08	07 in NOV 08, 07 in JAN 09, 07 in JUL 09 and 04 in OCT 09
Chile	07 ⁽¹⁾	DGAC	---	---	---	3 in 2007, 4 in 2008	3 in 2007, 4 in 2008
Colombia	08	AEROCIVIL	---	---	---	---	8 in 2008/2009
Ecuador	04	DGAC	01	---	---	---	---
Guyana	01	CAA	---	---	---	---	---
French Guyana	01	CAA	---	---	---	---	---
Panamá	05	DGAC	---	---	---	---	---
Paraguay	02	DINAC	---	---	---	---	---
Peru	08	DGAC	01	---	---	---	---
Surinam	03	CAA	---	---	---	---	---
Uruguay	06	DINACIA	---	---	---	---	---
Venezuela	07	INAC	---	01	---	---	---
TOTAL	99	---	05	09	---	35 (2006-2008)	40 (2007-2008)

*ND – No defined

** SMS will be implemented in 32 airports. However, 04 of them are not in the ANP

⁽¹⁾ TEMUCO/Manquehue was taken out of the ANP according to amendment circulated among all the States.

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