



- Agenda Item 2: Review of Air Navigation Matters**
2.2 Air Navigation specific activities:
2.2.3 Aerodromes and Ground Aids (AGA)
• ***Aerodromes certification***

IMPLEMENTATION OF AERODROME CERTIFICATION

(Presented by the Secretariat)

SUMMARY	
This working paper addresses the requirement to certify aerodromes and the need to implement ICAO SARPs as specified in Annex 14, Volume I. In order to assist and monitor the implementation of aerodrome certification and SMS in the CAR Region, as well as to evaluate training needs for aerodrome inspectors, Appendix A and B attached to this WP, were developed for States/Territories to provide information.	
References:	
- Annex 14, Volume 1 – <i>Aerodrome design and operations</i>. - Doc. 9774 – <i>Manual on Certification of Aerodromes</i>.	
Strategic Objectives	<i>This working paper is related to Strategic Objectives A8 and D1.</i>

1. Introduction

1.1 An important aspect for the Meeting is the recognition of the global trend towards greater autonomy and privatization of aerodromes and that the role of the aerodrome operator, in many cases, has changed hands from the State to the private sector. Some States have created aerodrome authorities or other government entities to manage and operate their aerodromes. However, it is recognized that the role of States to ensure safety remains unchanged in accordance with Article 28 of the Chicago Convention and ICAO SARPs.

1.2 In this context, in 2001 requirements were introduced in Annex 14, Volume I – Aerodrome Design and Operations for aerodromes to be certified. Included in the requirements was the provision that a certified aerodrome must implement a safety management system (SMS).

1.3 In addition, in November 2006, the safety management requirements in Annex 14, Volume I, were harmonized with those of Annex 6 and Annex 11. Also, Assembly Resolution A35-14, Appendix Q (superseded by A36-13, Appendix P) resolves that States shall undertake certification of aerodromes and should ensure that SMS is introduced at their aerodromes.

1.4 In this context, the Meeting should be aware that State's Safety Programmes (SSPs) are directed to regulators while SMS is directed to service providers such as aerodrome operators. Additionally, the requirement for SMS in Annex 14 must be implemented whether or not a State has in place its SSP.

2. Discussion

2.1 A survey was carried out by the ICAO NACC Regional Office in August 2006 to assess the level of implementation of aerodrome certification and SMS in States/Territories and at international aerodromes. The responses received indicated that 19 aerodromes in the CAR Region had been certified, representing 14 per cent (19/133) of those in the responding States, while the world average was 59 per cent (401/680*).

2.2 With respect to the implementation of SMS at international aerodromes, 63 aerodromes in the CAR Region had basic documentation implemented, representing 47 per cent (63/133) of those in the responding States, as opposed to 38 per cent (258/680*) worldwide.

2.3 The low level of implementation of aerodrome certification was corroborated by the results of the USOAP audits conducted under the comprehensive systems' approach where, out of the 21 States and 11 Territories audited in the CAR Region, 14 States had promulgated regulations requiring certification of aerodromes. With respect to SMS, 6 States had promulgated regulations and 5 were in the process of implementing SMS.

2.4 In order to increase the level of awareness by States/Territories at both regulatory and operational levels, regarding the need to certify aerodrome operations safety and SMS implementation, it is very important for the ICAO NACC Regional Office to have a clear picture of the actual process and level of implementation on these topics. States/Territories are urged to review, update and submit the information contained in Appendices A and B, attached to this working paper.

2.5 On the basis of the foregoing, and considering that in order to effectively implement aerodrome certification and SMS at aerodromes in the CAR Region, **Appendix C** to this working paper describes the benefits of its implementation and as short term strategy the training of aerodrome inspectors according to the information to be provided in Appendices A and B.

3. Recommended action

3.1 The Meeting is invited to:

- a) take note of the information provided in this working paper;
- b) follow-up on State implementation of SARPS as well as its associated documents as guidelines for the aerodrome certification process and the implementation of SMS;
- c) review and update the information attached in Appendices A and B to this working paper and submit it to the NACC Regional Office by **23 October 2009**; and
- d) consider and recommend any other appropriate action.

*Source SP AFI RAN (2008)

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

AERODROMES INCLUDED IN THE REGIONAL AIR NAVIGATION PLAN (ANP)

Table 1 – Progress of the basic documentation for aerodrome certification (E/CAR Region)

STATE/TERRITORY	Nº OF AERODROMES	Responsible body	BASIC DOCUMENTATION FOR CERTIFICATION				
			Finalized Published in:	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization foreseen for:
Anguilla	1	ASSI/UK	---				
Antigua and Barbuda	1	ECCAA	---				
Barbados	1	CAD	2004				
British Virgin Islands	2	ASSI/UK	---				
French Antilles	4	DRAC	2002				
Grenada	2	ECCAA	---				
Montserrat	1	ASSI/UK	---				
Saint Kitts and Nevis	2	ECCAA	---				
Saint Lucia	2	ECCAA	---				
Saint Vincent and the Grenadines	5	ECCAA	---				
Trinidad and Tobago	2	TTCAA	2005				
United States (Puerto Rico)	5	US/FAA	1972				
TOTAL	28						

Table 2 – Progress on certification of aerodromes included in Doc 8733/ FASID (E/CAR Region)

STATE/ TERRITORY	N° OF AERODROMES	RESPONSIBLE BODY	NUMBER OF CERTIFIED AERODROMES /ON-GOING/PLANNED		
			Certified	On-going	Planned
Anguilla	1	ASSI/UK	---	---	---
Antigua and Barbuda	1	ECCAA	---	---	---
Barbados	1	CAD	---	1	---
British Virgin Islands	2	ASSI/UK	---	---	---
French Antilles	4	DRAC	4	---	---
Grenada	2	ECCAA	---	---	---
Montserrat	1	ASSI/UK	---	---	---
Saint Kitts and Nevis	2	ECCAA	---	---	---
Saint Lucia	2	ECCAA/SLASPA	---	---	---
Saint Vincent and the Grenadines	5	ECCAA	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---
United States (Puerto Rico)	5	FAA	5	---	---
TOTAL	28		9	1	0

IMPLEMENTATION OF SAFETY MANAGEMENT SYSTEMS IN THE STATES/TERRITORIES OF THE E/CAR REGION

AERODROMES INCLUDED IN THE REGIONAL AIR NAVIGATION PLAN (ANP)

Table 1 – Progress of the basic documentation for SMS implementation (E/CAR Region)

STATE/TERRITORY	Nº OF AERODROMES	Responsible body	BASIC DOCUMENTATION FOR SMS				
			Finalized Published in:	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization foreseen for:
Anguilla	1	ASSI/UK	---	---	---	---	---
Antigua and Barbuda	1	ECCAA	---	---	---	---	---
Barbados	1	CAD	2005	2006	---	---	---
British Virgin Islands	2	ASSI/UK	---	---	---	---	---
French Antilles	4	DRAC	---	---	---	---	---
Grenada	2	ECCAA	---	---	---	---	---
Montserrat	1	ASSI/UK	---	---	---	---	---
Saint Kitts and Nevis	2	ECCAA	---	---	---	---	---
Saint Lucia	2	ECCAA/SLASPA	---	---	---	---	---
Saint Vincent and the Grenadines	5	ECCAA	---	---	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---	---	---
United States (Puerto Rico)	5	FAA	2006	2007	---	---	---
TOTAL	28		6	6			

Table 2 – Progress on SMS implementation in the aerodromes included in Doc 8733/FASID (E/CAR Region)

STATE/TERRITORY	Nº OF AERODROMES	Responsible body	BASIC DOCUMENTATION FOR SMS				
			With SMS	On-going		Planned	
				Started in:	Publication foreseen for:	Started in:	Finalization foreseen for:
Anguilla	1	ASSI/UK	---	---	---	---	---
Antigua and Barbuda	1	ECCAA	---	---	---	---	---
Barbados	1	CAD	---	---	---	2006	---
British Virgin Islands	2	ASSI/UK	---	---	---	---	---
French Antilles	4	DRAC	---	---	---	---	---
Grenada	2	ECCAA	---	---	---	---	---
Montserrat	1	ASSI/UK	---	---	---	---	---
Saint Kitts and Nevis	2	ECCAA	---	---	---	---	---
Saint Lucia	2	ECCAA/SLASPA	---	---	---	---	---
Saint Vincent and the Grenadines	5	ECCAA	---	---	---	---	---
Trinidad and Tobago	2	TTCAA	---	---	---	---	---
United States (Puerto Rico)	5	FAA	---	---	---	2007	---
TOTAL	28					6	

APPENDIX C

IMPLEMENTATION OF AERODROME CERTIFICATION				
Benefits				
Efficiency	• Ensure aerodrome operators comply with relevant ICAO SARPs and/or applicable national regulations.			
Safety	• Continued provision of safe and efficient aircraft operations at aerodromes • Strengthen States’ safety oversight responsibility on aerodrome operations			
Strategy				
Short Term (2010)				
Medium term				
ATM COMPONENTS	TASK DESCRIPTION	START – END	RESPONSIBLE	STATUS
AO	a) States to analyze Annex 14, Volume I provisions on aerodrome certification vis-à-vis national legislations and regulations	August 2009 – December 2009.	States	Valid
	b) States to analyze guidance in the Manual on Certification of Aerodromes (Doc 9774) vis-à-vis national regulations	August 2009 – December 2009	States	Valid
	c) States to develop and/or complete national regulations on aerodrome certification as necessary; and training of aerodrome inspectors	August 2009 – December 2009	States/Regional Office	Valid
	d) States to develop an action plan for certifying all remaining aerodromes used for international operations, including implementation of SMS	On going	States	Valid
	e) States to implement the action plan; to provide yearly feedback to NACC Regional Office regarding the status of the implementation of aerodrome certification	On going	States	Valid
GPIs	GPI/13: aerodrome design and management; GPI/14: runway operations.			

ELIMINATION OF IDENTIFIED AOP DEFICIENCIES (wildlife and bird hazard reduction, rescue and fire fighting services and aerodrome emergency planning)				
Benefits				
Safety	• Strengthen States’ safety oversight responsibility on aerodrome operations			
Efficiency	• Enhanced safety, efficiency and regularity of aerodrome operations in the States.			
	• Uniform implementation of the relevant ICAO SARPs and/or applicable national regulations in the CAR States/Territories.			
Strategy Short Term (2010) Medium term				
ATM COMPONENT	TASKS DESCRIPTION	START – END	RESPONSIBLE	STATUS
AO	a) to carry out a survey of States to determine the current level of implementation with respect to the three major deficiencies in the NAM/CAR Regions.	August 2009 – December 2009	Regional Office	Valid
	b) to evaluate training needs in the CAR Region, if any; and coordinate these with the training needs for aerodrome certification	August 2009 – December 2009.	States/ Regional Office	Valid
	c) to identify in coordination with States specific technical assistance needs, if any	August 2009 – December 2009.	States / Regional Office	Valid
	d) to develop and implement an action plan to meet the identified training needs in coordination with those for aerodrome certification	August 2009 – December 2009	States	Valid
	e) States to develop and implement an action plan to resolve the three major deficiencies	December 2009 – March 2010.	States	Valid
	f) To develop and implement an efficient monitoring system for correcting the three major deficiencies in the CAR States/Territories.	December 2009 – June 2010.	States	Valid
GPIs	GPI/13: Aerodrome operations.			