



International Civil Aviation Organization

CAR/SAM Regional Planning and Implementation Group (GREPECAS)

Fourteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/14)

(San Jose, Costa Rica, April 16 to 20, 2007)

GREPECAS/14-IP/20

26/3/07

Agenda Item 2: Analysis of Global, Inter- and Intra Regional Activities.

2.1: Interregional and Intra-regional CNS/ATM Activities and Coordination

AFTM IMPLEMENTATION ADVANCES IN CENTRAL AMERICA

(Presented by COCESNA)

SUMMARY

This paper presents a report of the advance in the tasks included in COCESNA's Action Plan for the ATFM Implementation in Central America, which was presented in the ATFM/TF/2 meeting (Bogotá, Colombia, July 6 – 8, 2006).

REFERENCES:

Doc. 9424 – ATS Services Planning Manual
Doc. 4444 ATM/501 – Air Traffic Management
GREPECAS/13 Meeting report
ATFM/TF/2 Meeting report
ATM/CNS/SG/5 Meeting report
Documentation provided by the FAA during COCESNA's visit to the Air Traffic Control System Command Center, in Washington, D.C.
Information of the Third Global ATFM Meeting, in Ottawa, Canada

1. Introduction

- 1.1 Considering the agreements included in the meeting of GREPECAS, ATM/CNS/SG, ATFM/TF, etc., COCESNA designed an Action Plan for the ATFM implementation in Central America.
- 1.2 This Action Plan was made taking as the basis the directives contained in Decision *13/65 – Model of Action Plan for the ATFM Implementation in the CAR/SAM Regions* and Decision *13/66 – National Plans for the AFTM Implementation in the CAR/SAM Regions*, issued in GREPECAS/13 Meeting.
- 1.3 COCESNA's Action Plan was presented as a Information Paper in the ATFM/TF/2 Meeting, held in Bogotá, Colombia, on July 6 thru 8, 2006.

2. Action Plan Tasks' Advance

- 2.1 COCESNA's Action Plan contains a series of scheduled tasks to be done in a logical and coherent manner, so to permit an harmonious and effective implementation, rationalizing appropriately the economic, technologic and human resources and accordance with the planning and execution activities that in this matter are being promoted and coordinated by ICAO.
- 2.2 Seem the Action Plan is a dynamic work program, it will be subject of constant evaluation to make the necessary adjustments inherent to the operational, execution, management, and financial requirements.
- 2.3 At the present, some of these tasks are being executed by the multidisciplinary ATFM Work Group, GT/ATFM, of COCESNA. In the annex of this information paper is presented a resume of the status of these tasks.

3. Suggested action

The Meeting is invited to take note of the information presented by COCESNA about the advances achieved for the ATFM implementation in Central America.

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ANEXO

**PLAN DE ACCION DE COCESNA PARA LA IMPLANTACION DE LA ATFM EN CENTROAMERICA
ACTION PLAN OF COCESNA FOR THE ATFM IMPLEMENTATION IN CENTRAN AMERICA**

ID TAREA TASK	NOMBRE DE LA TAREA TASK NAME	INICIO START	FIN END	AREA RESPONSABLE AREA	ESTADO STATUS	
					En proceso On going	Finalizada Finished
1.	ASUNTOS OPERACIONALES PARA LA IMPLANTACION DEL SISTEMA ATFM / OPERATIONAL ISSUES FOR ATFM SYSTEM IMPLEMENTATION	01/01/07	31/05/08			
1.1	Identificar necesidades operacionales / Identify operational needs.	01/01/07	31/03/07	GT/ATFM		X
1.2	Definir planes de recolección de datos / Define data collection plans	01/01/07	31/03/07	ATM		X
1.3	Definir el espacio aéreo afectado / Define affected airspace	01/01/07	31/03/07	GT/ATFM		X
1.4	Desarrollar y actualizar el Concepto Operacional / Develop and update Operational Concept	04/01/07	20/04/07	GT/ATFM		X
1.5	Recolección de datos para el análisis de ATFM/ Data collection for ATFM analysis	02/04/07	30/04/07	ATM	X	
1.6	Detallar los requerimientos necesarios incluyendo los parámetros de performance / Detail necessary requirements, including the performance parameters"	23/04/07	30/10/07	GT/ATFM		
1.7	Definir y analizar escenarios para implantación del sistema ATFM / Define and analyze scenarios for implementation of ATFM system	01/05/07	29/06/07	GT/ATFM		
1.8	Examinar factores operacionales entre demanda y capacidad de servicio asociado con la implantación / Examine operational factors between demand of service and capacity associated with implementation	01/05/07	29/06/07	ATM		
1.9	Determinar las herramientas requeridas / Determine required tools	01/05/07	30/08/07	GT/ATFM		
1.10	Desarrollar las políticas y procedimientos ATFM / Develop ATFM policies and procedures	02/07/07	03/09/07	GT/ATFM		
1.11	Determinar los mensajes ATFM / Determine the ATFM messages	31/10/07	02/01/08	GT/ATFM		
1.12	Proporcionar información para el análisis de Costo – Beneficio / Provide information for Cost – Benefit Analysis	31/10/07	26/02/08	GT/ATFM		
1.13	Preparar planes y material de capacitación ATFM / Prepare plans and ATFM training material	03/01/08	27/02/08	GT/ATFM		
1.14	Establecer Cartas de Acuerdos ATFM con dependencias ATS adyacentes / Establish Letters of Agreement ATFM with adjacent ATS units	04/02/08	31/03/08	ATS / ATM		
1.15	Capacitación de controladores de transito aéreo / Air traffic controllers training	03/03/08	31/05/08	ATS / ATM		

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					En proceso On going	Finalizada Finished
2.	COORDINACION CON ESTADOS, ORGANIZACIONES INTERNACIONALES E INDUSTRIA INVOLUCRADOS / COORDINATION WITH STATES, INTERNATIONAL ORGANIZATIONS AND INDUSTRY	01/01/07	31/12/07			
2.1	Comunicarse con Estados, Proveedores ATS, proveedores de comunicaciones y usuarios del espacio aéreo / Communicate with States, ATS Providers, Communication Service Providers and airspace users	01/01/07	31/03/07	ATM	X	
2.2	Diseminación de información para los usuarios ATS / Information dissemination to ATS users	01/01/07	31/12/07	ATM	X	
3.	DESARROLLO DE PROCEDIMIENTOS PARA LOS USUARIOS DEL ESPACIO AEREO / DEVELOP AIRSPACE USERS PROCEDURES	01/04/08	30/06/08			
3.1	Revisar Planes de Contingencia ATM / Review ATM contingency plans	01/04/08	30/05/08	ATS/ATM		
3.2	Revisión de prácticas y procedimientos para la gestión de consumo de combustible y cuidado ambiental / Review of fuel and environmental management practices and procedures	01/04/08	30/06/08	GT/ATFM		
4.	DESARROLLAR PROCEDIMIENTOS ATC / DEVELOP ATC PROCEDURES	26/10/06	31/07/08			
4.1	Armonizar requerimientos de los ANPs / Harmonise ANPs requirements	26/10/06	29/06/07	ATM	X	
4.2	Implantación y ajustes CNS en función del ATFM CA / Implementation and CNS adjustment for C.A. ATFM operation	31/08/07	01/07/08	GT/ATFM – GMP		
4.3	Determinar necesidades para simulaciones / Determine needs for simulations	01/04/08	30/04/08	ATS/ATM		
4.4	Operación Preliminar del ATFM CA / Initial operation of the C.A. ATFM	31/07/08	31/07/08	GT/ATFM		

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					En proceso On going	Finalizada Finished
5.	REALIZAR VERIFICACION DEL SISTEMA / PERFORM SYSTEM VERIFICATION	02/07/08	02/04/09			
5.1	Completar pruebas y evaluaciones de las herramientas ATFM y procedimientos de coordinación de la ATFM / Complete tests and evaluation of ATFM tools and coordination procedures with ATFM	02/07/08	31/07/08	GT/ATFM		
5.2	Realizar evaluación de la performance del sistema / Carry out performance system evaluation	01/08/08	02/12/08	GT/ATFM - GMP		
5.3	Validación del sistema / System validation	03/12/08	02/04/09	ATS/ATM/GMP		
6.	DECISION FINAL DE IMPLANTACION / FINAL IMPLEMENTATION DECISION	03/04/09	30/11/09			
6.1	Revisar factores que afectan la decisión de implantación / Review all factors affecting implementation decision	03/04/09	04/06/09	GT/ATFM		
6.2	Publicar los Suplementos AIP/NOTAM necesarios para la implantación / Publish necessary AIP Supplements/NOTAM for implementation	05/06/09	10/06/09	GT/ATFM – AIS		
6.3	Declarar implantación operacional definitiva dentro de área definida / Declare full operational capability within defined area	11/06/09	05/08/09	GT/ATFM		
6.4	Iniciar seguimiento del sistema ATFM posterior a la implantación / Start Post-Implementation follow-up Plan for ATFM System	30/11/09	30/11/09	GT/ATFM		
7.	MONITOREAR PERFORMANCE DEL SISTEMA / MONITOR SYSTEM PERFORMANCE	01/12/09	01/12/09			
7.1	Iniciar monitoreo del sistema / Start system monitoring	01/12/09	01/12/09	GT/ATFM		

NOTA: Las siguientes siglas identifican a diferentes dependencias de COCESNA participantes en el desarrollo del plan de acción ATFM:

ATM : Coordinación ATM

ATS : Gerencia de Tránsito Aéreo

GMP : Gerencia de Mantenimiento y Proyectos

AIS : Departamento AIS

GTM: Gerencia de Tecnología y Mercadeo

GT/ATFM : Grupo de Trabajo ATFM de COCESNA (ACNA)