05/09/13



International Civil Aviation Organization

North American, Central American and Caribbean Office (NACC)

GREPECAS CAR Project D – ATN infrastructure in the CAR Region and its ground-ground and ground-air applications

Santo Domingo, Dominican Republic, 27 September 2013

Agenda Item 1: ATN Ground-Ground and Air-Ground applications

.1 Review Deliverables

REVIEW PROJECT DELIVERABLES

(Presented by Project D Coordinator)

SUMMARY

This working paper presents the progress made with the assigned deliverables for the Project ATN Infrastructure in the CAR Region and its Ground-Ground and Ground-Air Applications since the last Coordination Meeting of the Project D.

References:

- GREPECAS CAR Project D CAR Region ATN Infrastructure and its Air-Ground and Ground-Ground Applications Meeting (Fort Lauderdale, United States, 12 to 13 April, 2012)
- CAR/SAM Regional Planning and Implementation Group (GREPECAS) First Meeting of the Programmes and Projects Review Committee (PPRC/1) (Mexico City, Mexico, 25-27 April 2012)
- Emails exchange between ICAO and Project Coordinators and Project Members

Strategic	This	This working paper is related to Strategic Objectives:											
Objectives	<i>A. S</i>	afety – Enhance g	global civil av	iation .	safety								
	<i>C</i> .	Environmental	Protection	and	Sustainable								
	Dev	elopment of Air T	ransport										

1. Introduction

- 1.1 This Working Paper presents the progress achieved since the first Meeting of the Project on ATN Infrastructure in the CAR Region and its Ground-Ground and Ground-air held in 2012. In this first Meeting a review and follow-up on the project activities and its progress on the achievement of its deliverables was carried out and the preparatory actions for reporting such progress to the GREPECAS Meeting on its First Meeting of the Programmes and Projects Review Committee (PPRC/1).
- 1.2 For the PPRC/1 Meeting, the progress and working Break Schedule (WBS) showed in **Appendices A** and $\bf B$ to this paper were reported. Each Member of the D Project has several tasks assigned.

1.3 Since the PPRC/1 Meeting some emails have been exchange between the Project Coordinator and the Project Members as a follow-up to the assigned tasks and deliverables.

2. Discussion

- 2.1 Very few or no report has been made by the Project Members regarding the Tasks and deliverables agreed in the first Meeting of the Project on ATN Infrastructure in the CAR Region and its Ground-Ground and Ground-air in 2012.
- 2.2 Several Project members have changed and a new revision was conducted between ICAO and the Project Coordinator for the Second Meeting of the Programmes and Projects Review Committee (PPRC/2).

3. Suggested Actions

- 3.1 The meeting is invited:
 - a) report your corresponding progress in the assigned Project Deliverables agreed since the first Meeting of the Project on ATN Infrastructure in the CAR Region and its Ground-Ground and Ground-air applications;
 - b) confirm your membership or any update to the contact information of your membership; and
 - c) report any problems or delays in the execution of these tasks.

APPENDIX A

PROJECT ON THE ATN INFRASTRUCTURE IN THE CAR REGION AND ITS GROUND-GROUND AND GROUND-AIR APPLICATIONS

CAR Region	PROJECT DESCRIPTION (DP)	DP N° D										
Programme	Title of the Project	Start	End									
Ground-ground and air-ground communications infrastructure (ICAO programme coordinator: Julio Siu)	ATN infrastructure in the CAR Region and its ground-ground and ground-air applications Project coordinator: Dulce Roses (United States) Experts contributing to the project: Carlos Jimenez (Cuba) Fernando Casso (Dominican Republic) Roger Perez/Eduardo Vega/Mayda Avila (COCESNA) Veronica Ramdath/ Randy Gomes (Trinidad and Tobago) Susan E. Pfingstler (IATA)	March 2010 June 2015										
Objective	Support the implementation of the ATN network in the CAR Region and of its ground-ground and air-ground applications, based on the regional performance objectives of the NAM/CAR performance-based implementation plan (NAM/CAR RPBANIP) and the CAR/SAM PNA CNS 1 Ba, 1Bb, and 1Bc plans.											
Scope	The project contemplates: • an analysis of the existing ATN implementation capacity of CAR networks • an assessment and definition of technical improvements and/or requirements for ATN implementation • guides and recommendations to expedite the implementation of ground-ground (AIDC, AMHS) and air-ground (using VDL2 and FMC WPR) applications, taking into account Doc GOLD											
Metrics	 Percentage of implementation of ATN architecture and routers Number of AMHS/AIDC applications implemented in the CAR Region Number of guides on ATN and ATN applications completed 	Percentage of implementation of ATN architecture and routers Number of AMHS/AIDC applications implemented in the CAR Region										
Strategy	 Number of guides on ATN and ATN applications completed Project activities were coordinated amongst project members, the project coordinator, and the programme coordinator, mainly via teleconferences and meetings held during events contemplated in the work programme, as was the case of the meeting held immediately after the AMHS meeting in April 2012. The project coordinator and the programme coordinator coordinated the requirements of other projects, together with information from the NAM/CAR implementation working groups. Additional experts were added as required for specialised tasks. The deliverables of this project were sent to the programme coordinator for submittal to GREPECAS. 											

Rationale	Support implementation and propose documentation for use by States as a reference for the transition, testing, and contingencies related to the new flight plan format.
Related projects	This project is related to the projects of Programmes B, C, and MET

Project Deliverables	Relationship with the regional performance- based plan (PFF)	Responsible Party	Status of Implementation ¹ *	Date of delivery	Comments
Performance assessment of the MEVA II REDDIG interconnection	RPO 9, NAM/CAR RPBANIP	Project D		Completed	Assessments made during MEVA TMG meetings
Technical study of CAR networks for ATN implementation	RPO 9, NAM/CAR RPBANIP	Project D		December 2012	To be conducted in 3 parts: The first and second parts concerning the MEVA II and ECAR networks have been completed. Currently, work is being done on the third part involving MEVA III- ECAR MPLS
Assessment of preliminary test results to determine the required bandwidth for the ATN network in the CAR and SAM Regions	RPO 9, NAM/CAR RPBANIP	Project D		Completed	Completed 2010
Study for the configuration of an IP backbone network	RPO 3,9, 11, 12 NAM/CAR RPBANIP	Project D		March 2013	
Updating of the CAR/SAM regional ATN router plan	RPO 1,3,5,9,11, 12 NAM/CAR RPBANIP	ICAO		July 2013	
Study of communication requirements to support ATFM implementation	RPO 3 and 9 NAM/CAR RPBANIP	Project D		January 2013	

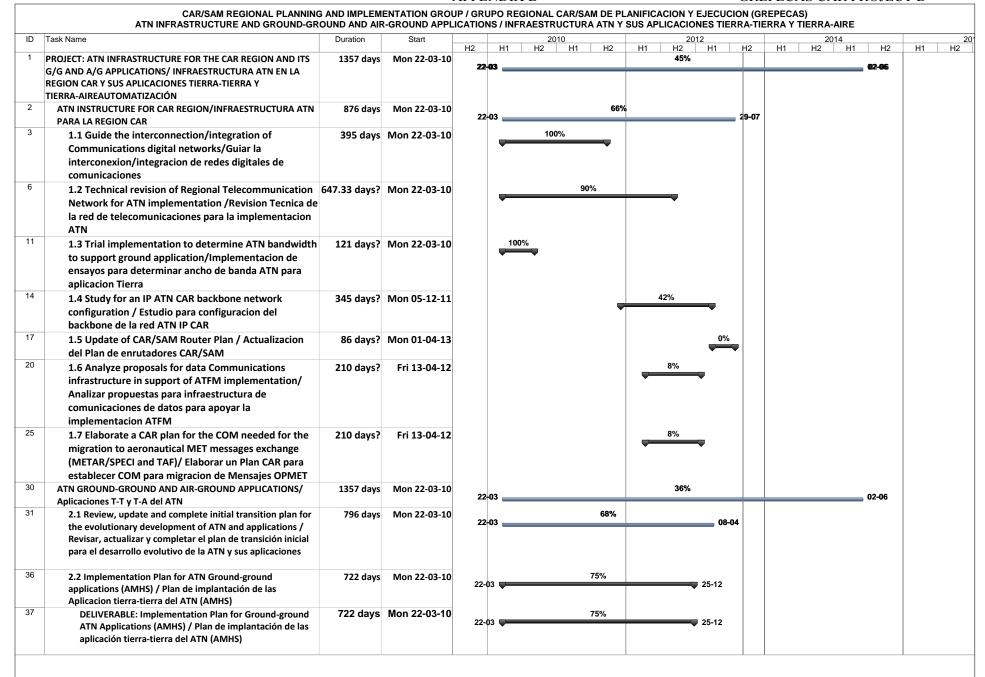
¹ *Grey

Task not started yet Activity being implemented as scheduled Green

Activity started with some delay, but expected to be implemented on time Activity not implemented on time; mitigation measures are required Yellow Red

Project Deliverables	Relationship with the regional performance- based plan (PFF)	Responsible Party	Status of Implementation ¹ *	Date of delivery	Comments
Study of communication requirements to support the migration to the new OPMET format	RPO 9 and 12 NAM/CAR RPBANIP	Project D		January 2013	
Plan for the transition of ATN and ATN applications in the CAR Region	RPO 1,3,4,5,9,11 and 12 NAM/CAR RPBANIP	Project D		April 2013	
AMHS addressing plan	RPO 9, NAM/CAR RPBANIP	States/ Territories/ International Organisations		Completed	
Plan for the implementation of ATN ground-ground applications (AMHS)	RPO 1,3,5,9,11, 12 NAM/CAR RPBANIP	States/ Territories/ International organisations		December 2012	
Plan for the implementation of ATN ground-ground applications (AIDC)	RPO 9 NAM/CAR RPBANIP	Project D		April 2013	
Proposed update of Table CNS 1Bb	RPO 9 NAM/CAR RPBANIP	ICAO		July 2013	
Assessment and recommendations related to AMHS coordination and testing	RPO 9, NAM/CAR RPBANIP	ICAO		April 2013	
Plan for the implementation of VDL and its applications in the CAR Region	RPO 9, NAM/CAR RPBANIP	ICAO		July 2014	
Assessment of the results of trials on the implementation of VDL and its applications	RPO 9, NAM/CAR RPBANIP	Project D		May 2015	
Plan for the transition of ATN ground-air applications	RPO 9, NAM/CAR RPBANIP	Project D		June 2015	

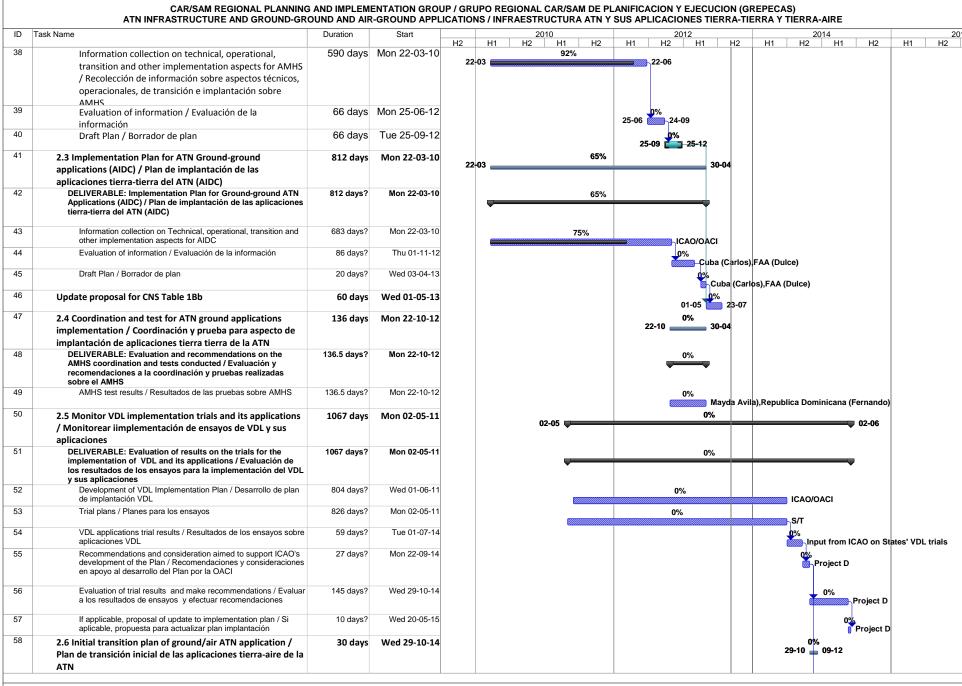
Project Deliverables	Relationship with the regional performance- based plan (PFF)	Responsible Party	Status of Implementation ¹ *	Date of delivery	Comments						
Monitoring of the implementation of available technology for ATN groundair applications	RPO 9, NAM/CAR RPBANIP	ICAO/ States/ Territories		June 2015							
Resources needed	Designation of expe	Designation of experts and implementation of activities by the group of experts (WGs).									



PC = Project Coordinator / Coordinador de Proyecto

PM = Project Members / Miembros de Proyecto

S/T = States/Territories / Estados/Territorios



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	CAR/SAM REGIONAL PLANNING AND IMPLEMENTATION GROUP / GRUPO REGIONAL CAR/SAM DE PLANIFICACION Y EJECUCION (GREPECAS) ATN INFRASTRUCTURE AND GROUND-GROUND AND AIR-GROUND APPLICATIONS / INFRAESTRUCTURA ATN Y SUS APLICACIONES TIERRA-TIERRA Y TIERRA-AIRE																	
ID	Task Name	Duration	Start			20	010			20	12			20	14			201
	H2 H					H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
59	DELIVERABLE: Transition plan for ground/air ATN applications	30 days?	Wed 29-10-14											0%				
	/ Plan de transición de las aplicaciones tierra-aire de la ATN																	
60	Analysis of existing information / Análisis de información existente	1 day?	Wed 29-10-14											0% 	oject D			
61	Draft Plan / Borrador de Plan	29 days?	Thu 30-10-14		0%				Project D	ı		ļ						

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