



ICAO

International Civil Aviation Organization
North American, Central American and Caribbean Office

DISCUSSION PAPER

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25/03/14

**Fourth North American, Central American and Caribbean Working Group Meeting
(NACC/WG/4)
Ottawa, Canada, 24 to 28 March 2014**

**Agenda Item 3: Follow-up on the progress of the NAM/CAR Regional Performance-Based
Air Navigation Implementation Plan (NAM/CAR RPBANIP)
3.3 ANI/WG progress report and other regional group progress reports**

ANI/WG REVISED PROGRESS REPORT

(Presented by ANI/WG AMHS Task Force Rapporteur)

EXECUTIVE SUMMARY	
This paper is generated from the discussions made in the NACC/WG/4 work session and complements the Progress Report of the ANI/WG (WP/08).	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Security & Facilitation• Economic Development of Air Transport• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• ***

1. Introduction

1.1 The following tasks were done in the NACC/WG/4 Work session:

- Each ANI/WG TF revised and updated their Terms of Reference and work programme accordingly as shown in each TF paper.
- The Action Plan of the ANI/WG was revised as proposed in WP/08
- An update to the FPL Convertors Table and the AMS Communication improvement Plan as shown in **Appendices A and B**.

FPL2012 Post implementation Checklist and Follow-up to FPL2012 full compliance activities
Follow-up: 25 March 2014

State	Solution	
	AFTN Terminal –FPL	ATC Automated System - FDP
Anguilla	Implemented	Manual
Antigua and Barbuda	Implemented	Manual
Aruba	Implemented	Implemented
Bahamas	AMHS (FPL2012) terminals implementation date to be defined (TBD)	Full upgrade planned (converter is use)
Barbados	Implemented	Implemented
Belize	Implemented	Full upgrade planned (converter is use)
Bermuda	Implemented	Manual
British Virgin Islands	Implemented	Manual
Canada	Implemented	Implemented
Cayman Islands	Implemented	Implemented
COCESNA	Implemented	Full upgrade planned (2014). Currently converter is use
Costa Rica	Implemented	Full upgrade planned (converter is use)
Cuba	Implemented	Implemented
Curacao	Implemented	Implemented
Dominica	Implemented	Manual
Dominican Republic	Implemented	Implemented
El Salvador	Implemented	Implemented
Grenada	Implemented	Implemented
Guatemala	Implemented	Full upgrade planned (converter is use)
French Antilles	Implemented	Implemented
Haiti	Manual	Manual
Honduras	Implemented	Implemented
Jamaica	Implemented	Full upgrade planned (converter is use)
Mexico	Implemented	Implemented
Montserrat	Implemented	Manual
Netherlands (BES Islands)	Manual	Manual

State	Solution	
	AFTN Terminal –FPL	ATC Automated System - FDP
Nicaragua	Implemented	Implemented
Saint Kitts and Nevis	Implemented	Manual
Saint Lucia	Implemented	Manual
Saint Vincent and the Grenadines	Implemented	Manual
Sint Maarten	Implemented	Implemented
Trinidad and Tobago	Implemented	Implemented
Turks and Caicos	Implemented	Implemented
United States	Implemented	Implemented

APPENDIX B

**IMPROVEMENTS TO AMS COMMUNICATION SERVICES IN THE CAR REGION/
MEJORAS A LOS SERVICIOS DE COMUNICACIONES AMS EN LA REGIÓN CAR (Update/Actualización: 25/03/2014)**

State/ International Organization / Estado/ Organización Internacional	Type deficiency (No coverage, poor quality, intermittent failure) / Tipo de deficiencia (sin cobertura, calidad mediocre, falta intermitente)	Deficiency description (include if permanent, time of day, other considerations)/ Descripción de la deficiencia (incluir si es permanente, hora del día, otras consideraciones)	ATS Route + pair of waypoints/ Ruta ATS + par de puntos de recorrido	Has been reported by airlines, ATCO or other sources / Notificado por aerolíneas, ATCO u otras fuentes	Solution				
					Planned Solution (add more pages as needed) / Solución planificada (añadir más hojas si es necesario)	Target date of solution/ Fecha meta de solución	Is participation of adjacent FIR or airline users requested?/ ¿Se solicita la participación de FIR adyacente o usuarios de aerolíneas?	Focal point for deficiency details and solution/ Punto focal para detalles y solución de deficiencias	Remarks/ Observaciones
Month- year Mes-año									
COCESNA	Poor quality, and no coverage in some areas in some hours/Calidad mediocre y falta de cobertura en algunas áreas a algunas horas.	Lack of HF AMS Communications in ATS routes in the Pacific Ocean. Falta de Comunicaciones HF AMS en rutas ATS en el océano Pacífico	UL 312: Artom (1°25'N, 87°28'W). Vodir (5°31'N, 90°39'W), Rotro (8°52'N, 95°31'W),	Yes / Si	COCESNA's HF improvements. Mejoras a HF de COCESNA	1 phase 15/01/13 (RX System)/1a fase, 15/01/13 (Sistema RX)	Testing the new systems when installed. / Pruebas a los nuevos sistemas una vez instalados.	Juan Carlos Trabanino (juancarlos.trabanino@ cocesna.org) and Roger Alberto Pérez (roger.perez@cocesna.o rg)	IATA reportó que con las mejoras al sistema HF de COCESNA, esta deficiencia esta resuelta.
						2nd Phase, 15/11/2013 (TX System)/2a fase, 15/11/13 (Sistema TX)			
						1/02/13 FANS 1A (one year contract/test)/1/02/13 FANS 1A (contrato/pruebas 1 año)	Yes, Mexico/ Si, Mexico		
Jamaica	Main radio 128.35 MHz No coverage / Falta de cobertura radio principal 128.35 MHz	Permanent / Permanente	U/G448/Levor Levor, north to about 100 miles south of GCM. U/G448/North Levor UM782	Airline & ATCO / Aerolínea y ATCO	Radios to be placed at Puerto Cabezas (Nicaragua)- ongoing	Not determined / Sin determinar	Yes, Participation from adjacent FIR / Si, participación de FIR adyacente	Carl Gaynair(mats@jcaa.gov .jm) and Orville Shaw (oshaw@jcaa.gov.jm)	There is no radar coverage or intermittent radar coverage for the area, no or poor radio communication. Radar sharing agreement being envisaged. Links from the radios to Kingston will be via satellite. / No hay cobertura radar o es intermitente para el área y nula o mediocre comunicación por radio. Se contempla compartir datos radar. Los enlaces de radio a Kingston se harán vía satélite.
	Main radio								

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					Planned Solution (add more pages as needed) / Solución planificada (añadir más hojas si es necesario)	Target date of solution/ Fecha meta de solución	Is participation of adjacent FIR or airline users requested?/ ¿Se solicita la participación de FIR adyacente o usuarios de aerolíneas?	Focal point for deficiency details and solution/ Punto focal para detalles y solución de deficiencias	Remarks/ Observaciones
						Month- year Mes-año			
	128.35 MHz poor quality/ Intermittent failure/ / Falta de cobertura radio principal 128.35 MHz	(During the afternoon especially when there is increased cloud cover and/or precipitation)/ Permanente (Durante la tarde, especialmente cuando hay cobertura de nubes y/o precipitaciones)	and south of Arnal UG 448, UB 767, UL 465, UG 633, UR 644, UG 877	ATCO / Aerolínea y ATCO	placed at Puerto Cabezas (Nicaragua) / Radios a ubicarse en Puerto Cabezas (Nicaragua)	Sin determinar	from adjacent FIR / Sí, participación de FIR adyacente		as well as no or poor radio communication. Radar data sharing agreement being envisaged. / Cobertura radar intermitente y nula o mediocre comunicación radio. Se contempla acuerdo para compartir datos radar.
Haiti	Lack or deficient AMS coverage/ Falta o cobertura AMS deficiente	Permanent / Permanente	Port-au-Prince FIR	Adjacent FIRs and airlines / FIR adyacentes y aerolíneas	TBD	TBD	Yes, Participation from adjacent FIR / Sí, participación de FIR adyacente	Yes, Participation from adjacent FIR / Sí, participación de FIR adyacente	
Mexico	Lack of AMS coverage/ Falta de cobertura AMS	Permanent / Permanente	ATS routes near Acapulco towards oceanic airspace / Rutas ATS cerca de Acapulco hacia el espacio aéreo oceánico.	Airline & ATCO / Aerolínea y ATCO	TBD	TBD	No	Sergio Perez: sperez@sct.gob.mx Ever Molina: emolinac@sct.gob.mx	

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					Planned Solution (add more pages as needed) / Solución planificada (añadir más hojas si es necesario)	Target date of solution/ Fecha meta de solución	Is participation of adjacent FIR or airline users requested?/ ¿Se solicita la participación de FIR adyacente o usuarios de aerolíneas?		
	No coverage in some areas in some hours: Mazatlan Oceanic FIR/ Sin cobertura en algunas áreas en algunas horas Mazatlán Oceanic FIR/	Lack of HF AMS Communications in ATS routes in the Pacific Ocean/ Falta de comunicaciones HF AMS en rutas ATS en el Océano Pacífico	No fixed ATS routes / No hay rutas ATS fijas.	Airline/ Aerolínea	TBD	TBD	Yes, Participation from adjacent FIR / Sí, participación de FIR adyacente		
PIARCO	HF Communications/ Comunicaciones HF	Permanent / Permanente	Oceanic airspace PIARCO FIR / Espacio Aéreo oceánico FIR PIARCO.	Airline	ADS-C/CPDLC	2014	No	Veronica Ramdath (vramdath@gmail.com)	

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