



ICAO

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

DISCUSSION PAPER

NACC/WG/4 — DP/05
24/03/14

**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 ATS MESSAGE HANDLING SYSTEM (AMHS) IMPLEMENTATION TASK FORCE
PROGRESS REPORT- COMPLEMENTARY DISCUSSIONS**

(Presented by the AMHS TF Rapporteur)

EXECUTIVE SUMMARY	
This discussion papers is generated from the discussions made in the NACC/WG/4 work session and complements the Progress Report of the AMHS TF (WP/14).	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• NACCDCA/04 WP14

AMHS Task Force Participants:

Dulce M. Rosés – FAA - Coordinator
Mauricio Matus – COCESNA
Shenneth Phillips – Antigua/Barbuda
Jeff Cochrane – NAV CANADA
Carlos Jimenez – Cuba
Fabian Taylor – Jamaica
Veronica Ramdath – Trinidad and Tobagp

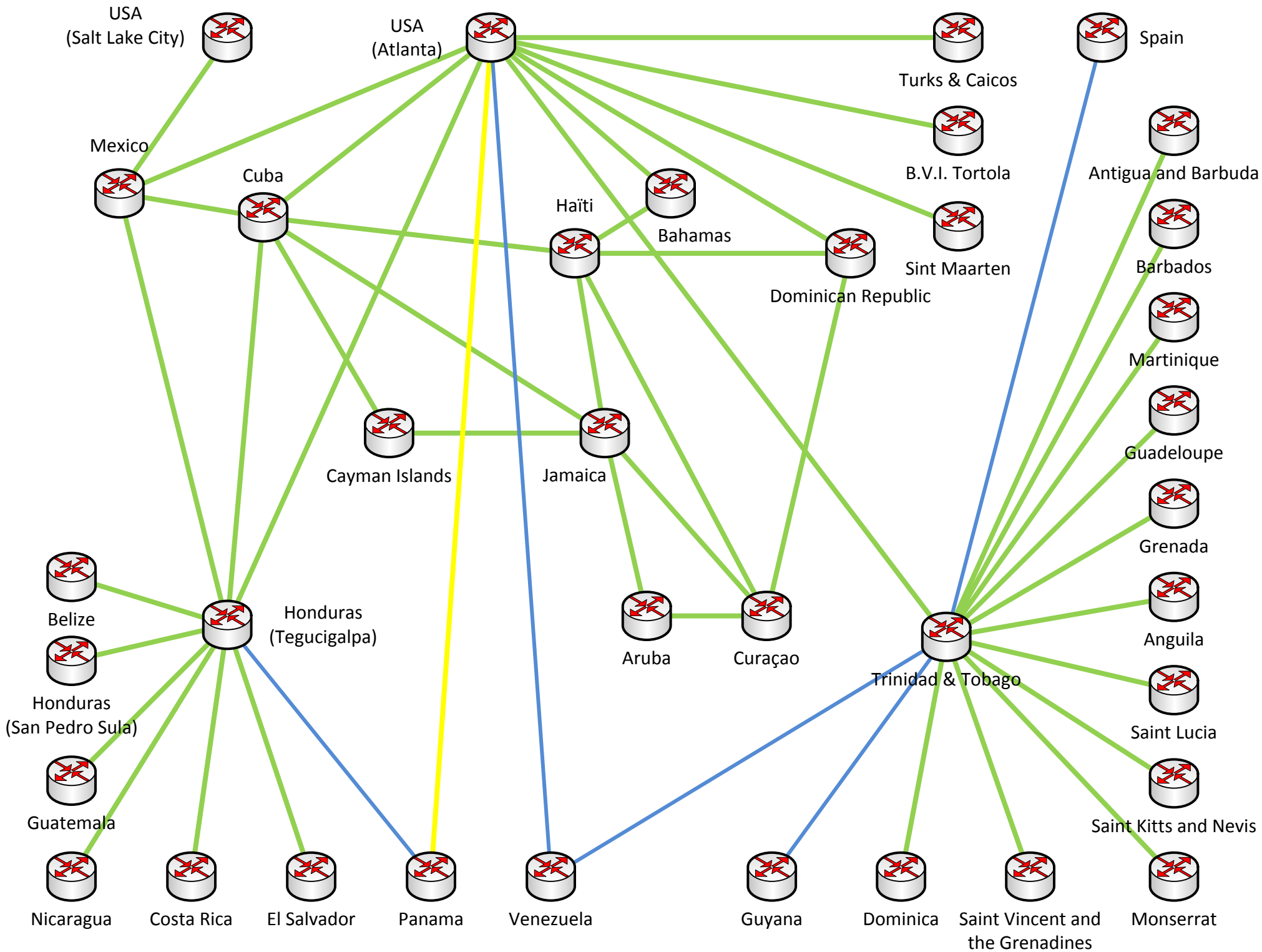
1. CAR Router Plan n

1. The Task Force reviewed the proposed router portion of the NAM/CAR Router Plan presented under **Attachment A**. Representative from Trinidad and Tobago indicated the line from Trinidad and Tobago to Spain does not exist and should be erased. Taking into consideration that several routers are operational and several regional networks of the CAR Region have evolved to an Internet Protocol (IP)-based infrastructure, the Task Force will review the proposed plan and updated accordingly. Also, agreed that the plan should be reviewed as a whole including the SAM Region IPv4. A teleconference will be scheduled with representatives from Dominican Republic, United States and COCESNA for a holistic review of the Plan.

1.2 In this regard the following the AMHS TF will consider these changes in the deliverable for the CAR Router Plan.

1.3 The Task Force also review and updated the AMHS transition Matrix/ Regional AMHS Implementation Plan. A copy of the revised Matrix is shown under Attachment B of this paper.

1.4 Delegate from Cuba presented information on the AMHS implementation process indicating that coordination between Cuba and United States started in February of 2014 for interoperability testing.



APPENDIX C

Update: October 2013													
CAR Region AMHS Implementation Matrix (2013-2016)													
Administration	STATUS	System Description					System implementation milestones				(COM CHART) Connection with	POC	Remarks
		Location of Facility	AMHS Facility Type	AMHS Vendor	Current Facility Type	Current Vendor	AMHS System Procurement Date	AMHS System Implementation Date	AMHS Interoperability Test	AMHS Service Cutover			
Antigua & Barbuda	see Trinidad and Tobago	Antigua									Port-of-Spain		Same as Piarco
Aruba	Under study	Aruba	AMHS (MTA + UA)	TBD			2Q2015	2Q 2015	4Q2015-1Q2016	2Q 2016	United States	Joselito Andrade	
Bahamas	Not reported	Nassau					1Q2011 mtg FAA Feb11	Jun 2011	TBD	TBD	United States	Hillard Walker	Q2 2011: will engage an Isode Integrator to provide an AMHS solution
Canada											United States		
Cayman Islands	Under study	Grand Cayman	MTA + UA	TBD	AFTN switch	Copperchase	TBD	TBD	TBD	TBD	United States	Wayne DaCosta	
Dominican Republic	Implemented	Santo Domingo	AMHS - MTA/UAs	Ubitech	AFTN Switch		already	already	Sep 2013	Oct 2013	United States	Fernando Casso	
Cuba	98% Developed and pending equipment acquisition	La Havana	AMHS - MTA/UAs	ISODE/ In-house	AFTN Switch	Own system	N/A	TBD	April 2014	TBD	United States	Carlos Jimenez y Layla Rodriguez	
Haiti	Under Study	Port-au-Prince	TBD	TBD	AFTN User	DSA	N/A	TBD	4Q2014	TBD	Mexico (Merida)		
							TBD	TBD	TBD	TBD	United States	Emmanuel Jacques	
COCESNA	Under study	Tegucigalpa	AMHS Gateway	ISODE/ In-house	AFTN Switch	COCESNA	N/A	TBD	TBD	TBD	Belize - MTA	Mayda Avila	
								TBD	TBD	TBD	Guatemala - MTA	Oscar Villela	
								TBD	TBD	TBD	Managua - MTA		
								TBD	TBD	TBD	Mexico - MTA		
								TBD	TBD	TBD	San Jose - MTA		
								TBD	TBD	TBD	San Pedro Sula - MTA		
								TBD	TBD	TBD	San Salvador - MTA		
								TBD	TBD	TBD	United States		
Jamaica	Scheduled for testing	Kingston	AMHS MTA/UAs	TBD	AFTN Switch	TBD	Q2-2012		2Q 2014	TBD	United States	Gordon/Derrick Grant	
Mexico	Pending System installation	Mexico	AMHS - MTA/UAs	THALES	AFTN Switch	Own system	2013-2016 (by phases)	2013-2016 (by phases)	TBD	TBD	Centro-America	Rafael Castro y Jose de Jesus Jimenez	
									4Q 2014	TBD	United States		
									4Q2014	TBD	Cuba		
Curacao	Scheduled for testing	Curacao	AMHS MTA	Ubitech	AMHS System	Ubitech	May 2012	Jul 2012	TBD	TBD	Caracas- MTA	Jean Getrouw	
									3Q 2014	4Q 2014	United States	Phylogene Mattheeuw	
St Maarten	Scheduled for testing	Princess Juliana	AMHS MTA	Ubitech	AMHS System	Ubitech	May 2012	Jul 2012	1Q 2014	2Q 2014	United States	Raul Van Heyningen	
Trinidad and Tobago	Scheduled for testing	Port-of-Spain	AMHS MTA/UAs/Gateway	Comsoft	AFTN Switch	Comsoft	Apr 2012	Sep 2012	Nov 2013	Nov 2013	Anguilla	Veronica Ramdath	
									Nov 2013	Nov 2013	Antigua	Randy Gomez	
									Nov 2013	Nov 2013	Barbados-UA		
									TBD	TBD	Caracas- MTA		
									Nov 2013	Nov 2013	Dominica - UA		
									Nov 2013	Nov 2013	Fort-de-France- UA		
									Nov 2013	Nov 2013	Georgetown-UA		
									Nov 2013	Nov 2013	Grenada-UA		
									Nov 2013	Nov 2013	Montserrat-UA		
									Nov 2013	Nov 2013	Pointe-a-Pitre- MTA		
									Nov 2013	Nov 2013	Saint Kitts and Nevis-UA		
									Nov 2013	Nov 2013	Saint Lucia-UA		
									Nov 2013	Nov 2013	Saint Vincent-UA		
									January 2014	2 Q 2014	United States		
Turks and Caicos	Under study	Providenciales	MTA	Stonefield Sys	AFTN Term	Stonefield Sys	TBD	TBD	TBD	TBD	United States	Emmanuel Rigby John T. Smith	
United States	Scheduled for testing	Atlanta	AMHS G/W	U.S.A.	AFTN Switch	U.S.A.	now	now	4Q2015-1Q2016	2Q 2016	Aruba	Dulce Roses	
									TBD	TBD	Brazil		
									TBD	TBD	Caracas		
									TBD	TBD	Cayman		
									TBD	TBD	Centro America		
									3Q 2014	2 Q 2014	Curacao		
									TBD	TBD	Turks and Caicos		
									April 2014	TBD	La Habana		
									TBD	TBD	Kingston		
									TBD	TBD	Lima		
									4Q 2014	TBD	Mexico		
									TBD	TBD	Nassau-S		
									TBD	TBD	Panama		
									TBD	TBD	Port-au-Prince		
									January 2014	2 Q 2014	Port-of-Spain		
									1Q 2014	2Q 2014	Saint Maarten		
									Sep 2013	Oct 2013	Santa Domingo		