



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

E/CAR/CATG/4 — WP/03  
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**Fourth Eastern Caribbean Civil Aviation Technical Group (E/CAR/CATG/4) Meeting**  
Saint George's, Grenada, 6 - 7 September 2018

**Agenda Item 2: Review and follow-up to Conclusions/Decisions of NACC/WG/5, GREPECAS/18, NACC/DCA/8, and ANI/WG/4, Meetings**

**REVIEW AND FOLLOW-UP TO CONCLUSIONS/DECISIONS OF THE NACC/WG/5, GREPECAS/18, NACC/DCA/8 AND ANI/WG/4 MEETINGS**

(Presented by the Secretariat)

**EXECUTIVE SUMMARY**

This paper presents the valid conclusions/decisions of the following meetings: Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5) (**Appendix A**), Eighteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/18) (**Appendix B**), Eighth Meeting of the North American, Central American and Caribbean Directors of Civil Aviation (NACC/DCA/08) (**Appendix C**), and Fourth NAM/CAR Air Navigation Implementation Working Group Meetings (ANI/WG/4) (**Appendix D**). The conclusions from the NACC/DCA/08 and ANI/WG/4 meetings will be approved as soon as the deadline for comments is reached.

<b>Action:</b>	The Meeting is invited to review the decisions/conclusions and to consider the deployment of action as deem necessary.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li><li>• Environmental Protection</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5), Port of Spain, Trinidad and Tobago, 22-26 May 2017</li><li>• Eighteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/18), Punta Cana, Dominican Republic, 9 to 14 April 2018</li><li>• Eighth Meeting of the North American, Central American and Caribbean Directors of Civil Aviation (NACC/DCA/08), Ottawa, Canada, 31 July to 2 August 2018</li><li>• Fourth NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/4), Miami, United States, 21 – 24 August 2018</li></ul>

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**STATUS AND FOLLOW-UP OF OUTSTANDING CONCLUSIONS (C) AND DECISIONS (D) OF THE NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN WORKING GROUP (NACC/WG)**

Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG4	C	3	ENV	<b>FUEL SAVINGS AND CO2 GAS EMISSION RESULTS IN THE NAM AND CAR REGIONS</b>	<b>That, considering the importance of obtaining effective information on the consumption of fuel, IATA:</b>	Action was taken by ANI/WG. Item discussed during ANI/WG/3 its resolution is still pending. Will follow-up at the ANI/WG/4 Meeting.	IATA			Valid
NACCWG4	C	3			b) provide the ICAO NACC Regional Office with information on fuel savings and reduction of CO2 gas emissions obtained from implementation of PBN routes and approach procedures in the NAM and CAR Regions not later than 31 December 2014.	The PBN project will include the task as part of its activities.	IATA	12/31/2014	information on fuel savings and reduction of CO2 gas emissions	Valid
NACCWG5	C	1	AN	<b>RESOLUTION OF GANDD DEFICIENCIES</b>	<b>That, in order to seek solutions for solving their GANDD valid deficiencies, NAM/CAR States:</b>	Will follow-up at the ANI/WG/4 Meeting.				Valid
NACCWG5	C	1			a) consider the common deficiencies and potential solutions provided by ICAO (WP/05); and		NAM/CAR States			Valid
NACCWG5	C	1			b) provide ICAO update of these deficiencies by 31 December 2017, including the applicable evidence of their solution		NAM/CAR States	12/31/2017	Deficiencies update	Valid

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Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG5	C	2	AN	<b>APPROVAL OF CAR/SAM e-ANP VOLUME II - UPDATE OF GANDD DEFICIENCIES</b>	<b>That, considering the approval of the CAR/SAM e-ANP Volume II, States and ICAO review the field of references in air navigation deficiencies in the GANDD before the NACC/DCA/7 Meeting.</b>	Review in process in view of recent approval of Vol. II Each officer has reviewed the deficiencies, it is necessary to review this process because it is falling into disuse, meanwhile the action is to invite the States to update the GANDD.		9/15/2017		Valid
NACCWG5	C	9	CNS	<b>XML TESTING OVER AMHS</b>	<b>That, in order to test the XML capacity of the CAR regional networks, Cuba, Dominican Republic and United States coordinate for XML testing over AMHS reporting their progress by 30 December 2017.</b>	FAA is conducting tests with Eurocontrol. FAA invited all States that have the XML capacity to join the test, but no one State has been added to the initiative. However, it is necessary that all States that have AMHS will migrate all the AIS data to AIM first, before conducting XML test.		12/31/2017	Progress report	Valid
NACCWG5	C	10	ATM	<b>ANALYSIS OF CURRENT PBN IMPLEMENTATION STATUS IN THE NAM/CAR REGIONS AND MEASUREMENT OF ITS EFFECTIVENESS</b>	<b>That, in order to determine the current state of PBN implementation in the NAM/CAR Regions, the roadblocks to implementation and identify improvement initiatives for PBN implementation:</b>					Valid
NACCWG5	C	10			a)the PBN Task Force develop a PBN survey form and submit it to ICAO by 30 June 2017; and	The survey is ready. In progress.	PBN Task Force	6/30/2017	PBN survey form	Valid
NACCWG5	C	10			b)the ICAO NACC Regional Office conducts the PBN survey with NAM/CAR States/ Territories/International Organizations by 30 September 2017; reporting the results to PBN Task Force by 31 October 2017.	-In progress. -To be completed in the agreed date.	ICAO NACC Regional Office	10/31/2017	Survey Report Results	Valid

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Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG5	C	11	ATM	EFFECTIVENESS OF PBN AIRSPACE HARMONIZATION MEETINGS	That, in order to improve the effectiveness of the PBN Airspace harmonization workshops/meetings/teleconferences, NAM/CAR States/Territories/International Organizations, by the ANI/WG/5 meeting:					Valid
NACCWG5	C	11			a)ensure that suitably trained/qualified personnel should attend workshops/meetings relating to airspace design; and	-ICAO NACC RO makes reference to this conclusion in the PBN Meeting invitation letters- Completed -Collaboration from States/Territories/International Organizations is required.	NAM/CAR States/Territories/International Organizations			Valid
NACCWG5	C	11			b)ensure that human and financial resources are provided to ensure that PBN implementation objectives are achieved.	-PBN Task force working to review human and financial resources required to achieve PBN implementation objectives. -Cooperation from States/Territories/International Organizations is required.	NAM/CAR States/Territories/International Organizations			Valid

**STATUS AND FOLLOW-UP OF OUTSTANDING CONCLUSIONS (C) AND DECISIONS (D) OF THE NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN WORKING GROUP (NACC/WG)**

Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG5	C	12	ATM	<b>ANALYSIS OF CURRENT PBN IMPLEMENTATION STATUS IN THE NAM/CAR REGION AND MEASUREMENT OF ITS EFFECTIVENESS</b>	<b>That in order to determine the current state of PBN implementation in the NAM/CAR Region, determine the roadblocks to implementation and identify ineffective initiatives utilized on past PBN projects:</b>					Valid
NACCWG5	C	12			a) PBN Task Force develops and submit a PBN survey form to the ICAO NACC ATM RO by 30 June 2017;	- The survey has been developed as part of the Sub-Project to Develop and Implement a PBN Airspace Concept Document for the CAR Region. Not submitted yet - Delayed	PBN Task Force	6/30/2017	PBN survey form	Valid
NACCWG5	C	12			b) ICAO NACC Regional Office conducts surveys with NAM/CAR States/Territories/International Organizations by 30 September 2017; and	- In progress - Delayed	ICAO NACC Regional Office	9/30/2017		Valid
NACCWG5	C	12			c) provides results of survey to PBN Taskforce by October 2017.	-In progress - Delayed	ICAO NACC Regional Office	10/31/2017	Results of PBN survey	Valid
NACCWG5	C	13	ATM	<b>CDM WITH STAKEHOLDERS</b>	<b>That, in order to improve the effectiveness of the PBN Airspace implementation, NAM/CAR States/Territories/International Organizations engage in regular CDM meetings with the airline operators and other stakeholders.</b>	-In progress. -ICAO NACC RO is raising awareness of the benefits of CDM in PBN Airspace implementation.				Valid

**STATUS AND FOLLOW-UP OF OUTSTANDING CONCLUSIONS (C) AND DECISIONS (D) OF THE NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN WORKING GROUP (NACC/WG)**

Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG5	C	14	ATM	<b>FLIGHT PROCEDURE PROGRAMME (FPP) WITHIN THE NAM/CAR REGION</b>	<b>That, taking into consideration ICAO Assembly Resolution A39 – 14, where States are urged to utilize FPPs for PBN implementation, the PBN Task Force in collaboration with the ICAO NACC Regional Office:</b>	-FPP Draft completed -Survey and working plan pending -Regional Agreement model to be prepared and presented to the States				Valid
NACCWG5	C	14			a)conduct a survey which identifies which States/Territories require assistance in procedure design;	- In progress.	PBN Task Force and the ICAO NACC Regional Office		Identification of States/Territories requiring assistance in procedure design	Valid
NACCWG5	C	14			b)identify the resources required for the establishment of a FPP within the region; and	- In progress.	PBN Task Force and the ICAO NACC Regional Office		Identification of resources	Valid
NACCWG5	C	14			c)provide a report to the ANI/WG/4 (2018), with appropriate recommendations.	-To be completed in the agreed date.	PBN Task Force and the ICAO NACC Regional Office			Valid
NACCWG5	D	15	ATM	<b>ANALYSIS FOR GNSS MONITORING FOR PBN OPERATIONS</b>	<b>That, in order to determine the cost-effectiveness and benefits of implementing a GNSS monitoring service to support PBN operations in the region, the PBN TF analyses this GNSS monitoring request and report back to the ANI/WG by 31 December 2017.</b>	-Not started. -PBN and MEVA TFs will conduct parallel surveys to be presented by the agreed date - Delayed		12/31/2017	Analysis of the GNSS monitoring request	Valid

**STATUS AND FOLLOW-UP OF OUTSTANDING CONCLUSIONS (C) AND DECISIONS (D) OF THE NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN WORKING GROUP (NACC/WG)**

Meeting	C/D	No.	Area	Title of Conclusion / Decision	Text of Conclusion / Decision	Follow-up and Remarks	Responsibility	Target Completion Date	Deliverable	Status (Valid, Completed, Superseded)
NACCWG5	D	16	ATM	ATFM TASK FORCE TERMS OF REFERENCE AND WORK PROGRAMME	That, in order to keep the ANI/WG informed, the ATFM TF shall present to the ANI/WG Chairman and ICAO the valid Terms of Reference and work programme of the ATFM TF by 30 July 2017.	-Draft to be presented in the ANI/WG/4 Meeting		7/30/2017	Valid Terms of Reference and work programme of the ATFM	Valid
NACCWG5	C	18	CNS	PREPARATION OF STATES FOR THE IMPLEMENTATION OF ADS-B	That, in order to enhance the regional efforts for implementing ADS-B, States/Territories in the NAM/CAR Regions:					Valid
NACCWG5	C	18			b)accelerate the development and publication of national regulations for the use of ADS-B; and	ADSB Task Force will have a meeting in September 2017 with the objective of discussing these topics.	States/Territories in the NAM/CAR Regions			Valid
NACCWG5	D	25	TC	PROJECT INPUTS FOR RLA/09/801 PROJECT EVENT CALENDAR	That, in order to support the effective assistance to States of the RLA/09/801 Project MCAAP, the ANI/WG Chairman informs ICAO NACC Office on the NACC/WG and ANI/WG implementation assistance needs and other potential State implementation supporting activities no later than 31 July 2017.	ANI WG has not provided input. Will continue to request needs assessments from the ANI/WG		7/31/2017		Valid

## APPENDIX B

## GREPECAS/18 MEETING CONCLUSIONS

No.	Title	Page
18/1	ACTIONS FOR ATFM IMPLEMENTATION IN THE CAR REGION	WP/03 1B-1
18/2	ESTABLISHMENT OF A WORKING GROUP TO OBTAIN BETTER AMHS OPERATIONAL USE	WP/03 1B-1
18/3	REVISION OF THE MET PROGRAMME AND ITS TASKS	WP/03 1B-1
18/4	DEVELOPMENT OF AIR NAVIGATION PLANS ALIGNED WITH THE GANP AND THE REGIONAL PERFORMANCE-BASED AIR NAVIGATION PLANS	WP/03 1B-1
18/5	IMPROVED DATA COLLECTION PROCESS FOR THE TREATMENT OF DEFICIENCIES REPORTED BY IFALPA AND IATA	WP/03 1B-2
18/6	RESOLUTION OF AERONAUTICAL METEOROLOGY DEFICIENCIES	WP/03 1B-2
18/7	POSTPONEMENT OF THE APPROVAL OF VOL. III OF CAR/SAM EANP	WP/03 1B-2
18/8	GREATER SUPPORT FROM STATES TO AGA ISSUES AND PROJECTS	WP/03 1B-2
18/10	FOLLOW-UP TO THE IMPLEMENTATION OF A39 RESOLUTIONS RELATED TO AIR NAVIGATION	3-1
18/13	SAFETY MANAGEMENT IMPLEMENTATION	3-6
18/14	ENHANCEMENT OF SOUTH ATLANTIC (SAT) GROUP STRUCTURE	3-7
18/15	INTERFACE CONTROL DOCUMENTS FOR AIDC IMPLEMENTATION	4-6
18/16	SHORT-TERM IMPLEMENTATION BY THE STATES OF AIDC FUNCTIONALITY	4-7
18/17	MEASURES TO REDUCE FLIGHT PLAN ERRORS	4-7
18/19	AERODROME CERTIFICATION PLAN	4-10
18/20	MODIFICATION OF THE GREPECAS PROCEDURAL HANDBOOK	6-2
18/21	SUPPORT TO GTE AND CARSAMMA ACTIVITIES TO IMPROVE THE ANALYSIS OF INFORMATION ON DEVIATIONS IN RVSM AIRSPACE	7-1
18/22	APPROVAL OF THE AMENDMENT TO CARSAMMA TERMS OF REFERENCE AND OF THE GUIDANCE MANUAL FOR POINTS OF CONTACT (POC)	7-3



**GREPECAS/18 MEETING DECISIONS**

<b>No.</b>	<b>Title</b>	<b>Page</b>
18/9	AD HOC GROUP TO ANALYSE GREPECAS - RASG-PA COORDINATION IMPROVEMENTS	2-2
18/11	CHARTING DEFICIENCY STRATEGY	3-5
18/12	RNAV TO RNP CHARTING TRANSITION	3-5
18/18	MERGING OF PROJECTS F1 AND F2 INTO A NEW PROJECT F1	4-10

For further information on GREPECAS/18 Meeting Conclusions and Decisions visit:

[https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18\\_Final%20Report.pdf](https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_Final%20Report.pdf)

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**APPENDIX A**  
**EIGHTH MEETING OF THE NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN DIRECTORS OF**  
**CIVIL AVIATION (NACC/DCA/08)**  
**EXECUTIVE LIST OF CONCLUSIONS/DECISIONS**

Number	Conclusion/Decision	Responsible for action	Deadline	E/CAR/CATG/4 Actions
<b>C/1</b>	<b>IMPLEMENTATION OF AN OPERATIONAL AND REGULATORY FRAMEWORK FOR UNMANNED AIRCRAFT SYSTEM(S) (UAS) AND RPAS OPERATIONS</b>			
	That, considering the use of emerging technologies in the industry for unmanned aircraft systems (UAS) and RPAS operations and the new ICAO guidance for their operation and regulation:			
	a) the NAM/CAR States consider ICAO guidance and best practices available in the ICAO UAS/RPAS website in their implementation for regulatory framework;	NAM/CAR States		
	b) the ANI/WG consider recommendations from the forthcoming ICAO 13th Air Navigation Conference on this matter and support States in their efforts to ensure a harmonized implementation of UAS integration and RPAS operations in their respective airspace and international aerodromes under their jurisdiction; and	ANI/WG		
	c) States report progress of these efforts at the NACC/DCA/9 Meeting.	States and ANI/WG	NACC/DCA/9 Meeting	
<b>D/2</b>	<b>ICAO CERTIFICATION PROCESS OF THE NACC SYSTEMIC ASSISTANCE PROGRAMME (SAP) ASSISTANCE PROGRAMME</b>			
	Considering the effectiveness and benefits of the current assistance programme NACC Systemic Assistance Programme (SAP), the NAM/CAR States support the current NACC NCLB SAP assistance system and its ongoing ISO certification project.	NAM/CAR States		

Number	Conclusion/Decision	Responsible for action	Deadline	E/CAR/CATG/4 Actions
C/3	<b>SAFETY AND AIR NAVIGATION IMPLEMENTATION STRATEGY</b>			
	That, given the fast growth in aviation and the advent of emerging issues, States/Territories a) prioritize thorough regional and national planning and implementation seamlessly linked to Global Planning; b) require a project management structure as a vehicle to address the process from planning to implementation; and c) in order to elevate political will and increase opportunities for funding, link projects to the United Nations Sustainable Development Goals (UNSDGs) and the National Development plans.	States/Territories		
C/4	<b>SAFETY MANAGEMENT IMPLEMENTATION SUPPORT</b>			
	That, States/Territories and International Organizations,	States/Territories and international organizations		
	a) inform ICAO on their tools and examples that support effective safety management implementation to be considered for posting on the ICAO safety management implementation website through an ICAO validation process; and			
b) take into account the lessons learned from the Regional Safety Management Symposia.				
C/5	<b>GLOBAL AVIATION SAFETY OVERSIGHT SYSTEM (GASOS)</b>			
	That,			

Number	Conclusion/Decision	Responsible for action	Deadline	E/CAR/CATG/4 Actions
	a) States review and take note of the development of the Global Aviation Safety Oversight System (GASOS) and consider the implications for safety oversight organizations, including Regional Safety Oversight Organizations (RSOOs), State Civil Aviation Authorities (CAAs) and other State-based mechanisms, by participating in GASOS as a means to expand and enhance the safety oversight support provided to States; and	States		
	b) ICAO finalize the legal review of the GASOS concept and provide a report to States with adequate time to review before the 40th Assembly.	ICAO	before the 40th Assembly.	
C/6	<b>REGIONAL NAM/CAR SSP IMPLEMENTATION STRATEGY</b>			
	That, in order to facilitate and ensure a systematic implementation of the SSP in the NAM and CAR Regions, the NACC States:	NACC States		
	a) approve the Regional SSP Implementation Strategy presented by ICAO NACC Office;			
	b) encourage the participation of Champion States; and			
	c) participate in the kick off Implementation workshop/meeting.			
C/7	<b>RENOVATED STRATEGY FOR PBN, ATFM AND SAR IMPLEMENTATION</b>			
	That, in order to support the coordinated and harmonized implementation of the renovated strategy for PBN, ATF; and SAR implementation in the CAR Region,			
	a) States support this strategy with qualified technical personnel;	States		

Number	Conclusion/Decision	Responsible for action	Deadline	E/CAR/CATG/4 Actions
	b) the ICAO NACC Regional Office discuss, lead and assist States in the ANI/WG on the development of detailed implementation plans based on renovated strategy; and	ICAO NACC Regional Office		
	c) States present the plans and benefits of this implementation at the NACC/DCA/9 Meeting.	States	NACC/DCA/9 Meeting	
C/8	<b>IMPLEMENTATION AND FOLLOW-UP OF THE NAM/CAR AND SAM AVIATION SECURITY ROADMAP</b>			
	That, in order to conduct the proper implementation and follow-up of the regional security roadmap NAM and CAR States:	NAM and CAR States		
	a) adhere to the Declaration (attached as appendix A to WP/05) and Conclusions (Attached as Appendix B to WP/05) of the Regional Conference and endorse the NAM/CAR and SAM aviation security roadmap;			
	b) encourage the participation of the civil aviation authorities and aviation security authorities at the upcoming AVSEC/FAL/RG/8 Meeting to be held at the ICAO NACC Regional Office from 13 to 17 August 2018, and		AVSEC/FAL/RG/8 Meeting	
	c) request specific assistance on aviation security to the ICAO NACC Regional Office.			
C/9	<b>STRENGTHENING OF ENVIRONMENTAL PROTECTION ACTIVITIES IN THE REGION</b>			
	That in order to enhance collaboration for the development and update of States' action plans on CO2 emissions reduction activities, and to facilitate the implementation of the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) from 1 January 2019, NACC States	NACC States		

Number	Conclusion/Decision	Responsible for action	Deadline	E/CAR/CATG/4 Actions
	a) that have not yet nominated a Focal Point to lead the development of the State Action Plan, and a Focal Point to facilitate communication and provision of assistance for implementation of CORSIA, submit ICAO the nomination forms at their earliest convenience and no later than 14 September 2018; and		14 September 2018	
	b) be ready to implement the SARPs contained in the First Edition of Annex 16, Volume IV, and to integrate the new ICAO Assistance, Capacity-building and Training on CORSIA 'ACT CORSIA' initiative, expressing ICAO their willingness to participate in the mechanism.			
C/10	<b>FOLLOW-UP TO PROPER APPLICATION OF ICAO POLICIES ON CHARGES</b>			
	That, in order to follow-up and identify the proper application of ICAO guidelines on policies for charges, IATA and ICAO coordinate this application for further reporting to the NACC/DCA/9 meeting.	IATA and ICAO	NACC/DCA/9 meeting	
C/11	<b>COORDINATED SUPPORT TO STATE PAPERS FOR THE 40TH SESSION OF THE ICAO ASSEMBLY</b>			
	That, in order to support States in a coordinated manner on their inputs for the 40th Session of the ICAO Assembly,			
	a) States coordinate with the ICAO NACC Regional Office their proposed papers by 30 May 2019;	States	30 May 2019	
	b) ICAO coordinate the papers to have the support by other States and entities (i.e. LACAC); and	ICAO		
	c) ICAO and States present coordinated papers by the NACC/DCA/09 meeting for support.	ICAO	NACC/DCA/09 meeting	