



ICAO

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

WORKING PAPER

(E/CAR/NTG/6 & E/CAR/RD/4) WP/04
09/07/15

Sixth Eastern Caribbean Network Technical Group (E/CAR/NTG/6) and Fourth Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/4) Meetings
Miami, United States, 13 - 14 July 2015

- Agenda Item 2: Review of Valid Conclusions from E/CAR/NTG/05-RDS/03, E/CAR/CATG/01 and ECAR/DCA/25 Meetings related to the Work of the NTG and RD**
- 2.3 Follow-up to the Air Navigation Implementation Working Group (ANI/WG) and North America, Central American Working Group (NACC/WG) Conclusions**

REVIEW OF ACTIONS TO SUPPORT ANI/WG AND NACC/WG VALID CONCLUSIONS RELATED TO THE E/CAR AERONAUTICAL FIXED SERVICE (AFS) NETWORK

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
This paper makes a follow-up and revision of the E/CAR AFS Network/ Radar Data Sharing related conclusions from the ANI/WG/02 and NACC/WG/04 Meetings.	
Action:	Review the follow-up and take action as needed in support of the valid ANI/WG/2 and NACC/WG/4 Conclusions as presented in Appendices A and B
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none">• Fourth North American, Central American and Caribbean Working Group Meeting (NACC/WG/4), Ottawa, Canada, 24 to 28 March 2014• Second NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/2) Puntarenas, Costa Rica, 1 to 4 June 2015

APPENDIX A
FOLLOW-UP TO ANI/WG/2 CONCLUSIONS/DECISIONS RELATED TO E/CAR/NTG-RD

Number	Conclusion/Decision	Deliverable	Responsible for action	Deadline
2/2	<p>COORDINATION FOR UPDATED VERSION OF THE ICAO WRC-2015 POSITION</p> <p>That in order to ensure an effective coordination for the support of the ICAO Position for WRC-2015 considering the update of this position by ICAO NAM/CAR States:</p>			
	a) timely coordinate that this update of the ICAO Position is shared with their national Spectrum regulators; and	Coordination with National Spectrum Regulator	NAM/CAR States	August 2015
	b) attend as possible, with their National Spectrum Regulators to attend the last 2015 Regional CITEL (Ottawa, Canada, August 2015) and vote for the Interamerican proposals related with the ICAO position	Attendance to last 2015 Regional CITEL (Ottawa, Canada)	NAM/CAR States	August 2015
2/14	<p>ADS-B/MLAT SURVEILLANCE PLAN</p> <p>That, in order to support the implementation of ADS-B and MLAT in the CAR Region</p>			
	a) the Surveillance System Plan (Appendix K refers) be taken as a reference for the planning and implementation of MLAT and ADS-B systems; and	Take Surveillance System Plan as reference	CAR States/Territories	ANI/WG/03
	b) States in coordination with ICAO to update the monitoring plan by 20 December 2015.	Update Surveillance System Plan	CAR States/Territories	20 December 2015
2/15	<p>INITIAL VERSION OF ADS-B OPERATIONAL CONCEPT</p> <p>That in order to support and guide implementation of ADS-B in the CAR Region and to achieve regional milestone date of December 2018 for the implementation of ADS-B OUT, the Regional ADS-B CONOPS document initial version be adopted as a guide to planning and implementation of ADS-B service to the States/ANSPs in the region.</p>	Take as reference the ADS-B CONOPS document	CAR States/Territories	December 2018
2/16	<p>TECHNICAL SPECIFICATIONS FOR EQUIPMENT ADS-B</p> <p>That in order to support and guide implementation of ADS-B in the CAR Region and to achieve regional milestone date of December 2018 for the implementation of ADS-B OUT, Technical Specification document be adopted as a guide for the acquisition and implementation of ADS-B service.</p>	Take as a reference the ADS-B Technical Specifications document	CAR States/Territories	December 2018
2/17	<p>DATA PROCESSING CAPABILITIES FOR ADS-B</p> <p>That in order to follow-up and guide the ADS-B implementation in the CAR Region, and to achieve the regional milestones by December 2018 for ADS-B Out implementation</p>			
	a) the ADS-B Data Processing Capabilities Table (Appendix L) be adopted as a guidance on the status of the ATS Automation System to process ADS-B data; and	Take ADS-B Data Processing Capabilities Table as guidance	CAR States/Territories	December 2018
	b) CAR States to confirm these capabilities to ICAO by December 2015.	Inform Satte ADS-B Data Processing capabilities	CAR States/Territories	December 2015

Number	Conclusion/Decision	Deliverable	Responsible for action	Deadline
2/18	<p>INVITATION TO STATES/TERRITORIES TO BEGIN CONDUCTING TRIALS That, in order to promote ADS-B implementation, States/Territories that have not yet conducted trials, are invited to acquire the necessary equipment in order to join the test implementation/planning of ADS-B and ADS-B TF in order to obtain the operating benefits identified.</p>			
2/24	<p>ADOPTION OF NEW ANRF AND REPORTING APPROACH TO ASBU IMPLEMENTATION That in order to provide a straightforward tool for States and Regions to determine how their particular air navigation improvements would address ASBU implementation:</p>			
	a) NAM/CAR States/ Territories and ANSPs to review and adopt the proposed new ANRFs for application by June 2016 (Appendix R);	adopt the proposed new ANRFs	NAM/CAR States/ Territories and ANSPs	June 2016
	b) ICAO to organize by the first semester of 2016 a hands-on ASBU ANRF workshop for the use and understanding of the new ANRFs inviting the ANI/WG Members, CANSO, IATA , Civil Aviation Training Centers and AN planning related persons; and	Organize ASBU ANRF workshop	ICAO	First semester 2016
	c) NAM/CAR States/ Territories to assess their status of implementation and report to ICAO NACC Office by July 2016	Assess Status of implementation	NAM/CAR States/ Territories	July 2016

VALID NACC/WG/4 CONCLUSIONS RELATED TO THE E/CAR/NTG-RD

No.	CONCLUSIONS	FOLLOW-UP BY E/CAR/NTG-RD	STATUS
<p>CONCLUSION NACC/WG 4/5 ACTIVE SUPPORT FROM STATES FOR ICAO ITU WRC-2015 POSITION</p>	<p>That NAM/CAR States/Territories, in order to ensure their active support for the ICAO WRC-15 position for the protection of the aeronautical frequency spectrum and satisfy future frequency spectrum aviation needs:</p> <p>a) include the main points addressed by the ICAO International Telecommunication Union (ITU) WRC-15 position for the protection of the C-band when used for aeronautical purposes and the ICAO WRC-15 position as a whole, including any amendments, when preparing national ITU WRC-15 proposals in coordination with the National Spectrum Management Authority;</p> <p>b) include representatives from civil aviation administrations and aviation experts from national delegations, to the extent possible, when participating in the ITU Radio and regional preparatory activities for WRC-15; and</p> <p>c) if not already done so, nominate their focal point for WRC-2015 to ICAO by December 2014.</p>	<p>A new conclusion was adopted by the ANI/WG/02 for a final follow-up for the last 2015 WRC Meeting in Ottawa.</p>	<p>Valid</p>
<p>CONCLUSION NACC/WG 4/6 REPORTING ON THE PROGRESS ACHIEVED IN THE IMPLEMENTATION OF THE AERONAUTICAL INFORMATION EXCHANGE MODEL (AIXM)</p>	<p>That NAM/CAR States and international organizations:</p> <p>a) adopt the AIXM 5.1 information exchange model; and</p> <p>b) report on the progress achieved with application of the conceptual model and aeronautical information exchange to the ICAO NACC Regional Office by 31 December 2014.</p>	<p>To review communication requirements for this implementation</p>	<p>Valid</p>
<p>CONCLUSION NACC/WG 4/7 AIM ACTION PLANS FOR THE AIS TO AIM TRANSITION</p>	<p>That CAR States that have not yet done so:</p> <p>a) develop/update and execute the Action Plans for the transition from AIS to AIM taking into consideration the latest AIM developments, and the AIM TF work until AIM is completed according the AIM RPO of the RPBANIP; and</p> <p>b) inform the ICAO NACC Regional Office of all the AIM progress to be presented at the upcoming GREPECAS/17 Meeting.</p>	<p>To review communication requirements for this implementation</p>	<p>Valid</p>

No.	CONCLUSIONS	FOLLOW-UP BY E/CAR/NTG-RD	STATUS
CONCLUSION NACC/WG 4/10 ADS-B OUT IMPLEMENTATION IN THE NAM/CAR REGIONS	That all States/Territories in the NAM/CAR Regions adopt/include the ADS-B implementation date of 31 December 2018 in their implementation plans to finalize operational implementation of ADS-B OUT.	Actions have been taken by the E/CAR States and E/CAR Groups toward this regional milestone of Dec 2018	Valid
CONCLUSION NACC/WG 4/12 APPROVAL OF IPV4 ADDRESSING SCHEME, VER 1.0	That, in order to expedite and facilitate the implementation of the IPv4 ATN in the CAR Region, States/Territories of the CAR Region: a) approve the revised version of the CAR IPv4 addressing scheme, version 1.0; b) implement their Aeronautical Telecommunication Networks (ATNs) in accordance with the IPv4 addressing scheme ver. 1.0, where applicable; and c) report use/planned use to the ICAO NACC Regional Office no later than December 2015 .	To be implemented in the E/CAR AFS Network: New version was updated as V 1.1 This addressing scheme is being use for AMHS interconnections	Valid
CONCLUSION NACC/WG 4/15 AIR NAVIGATION REPORTING/ MONITORING IN THE NAM/CAR REGIONS	That no later than December 2014 , for the harmonized and efficient collection of data for reporting and monitoring air navigation implementation progress and achieved performance/benefits, NAM/CAR States/Territories: a) invite all air navigation stakeholders to participate in the data collection and reporting process; b) use the RPBANIP Air Navigation Report Forms (ANRFs) to the extent possible to report their national, sub-regional and regional implementation and performance progress; and c) periodically report to the ICAO NACC Regional Office on the air navigation implementation status.	A new revised ANRF was proposed from the ANI/WG/02 and a review of the existing metrics was made to improve its understanding and application. To be review by E/CARNTG-RD	Valid

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