



ICAO

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WORKING PAPER

E/CAR/DCA/26 — WP/11  
19/11/15

**Twenty-sixth Directors of Civil Aviation of the Eastern Caribbean Meeting (E/CAR/DCA/26)  
New Orleans, United States, 1 - 3 December 2015**

**Agenda Item 6: Air Navigation Matters**

**6.3 Implementation of Air Navigation under the NAM/CAR Regional Performance Based Air Navigation Implementation Plan (RPBANIP)**

**6.3.2 E/CAR/CATG/2 Meeting**

**RESULTS OF SECOND EASTERN CARIBBEAN CIVIL AVIATION TECHNICAL GROUP MEETING (E/CAR/CATG/2) AND PROGRESS MADE**

(Presented by the E/CAR/CATG Chairperson)

<b>EXECUTIVE SUMMARY</b>	
This working paper presents an overview of the results of the Second E/CAR Civil Aviation Technical Group Meeting and the implementation progress achieved to-date.	
<b>Action:</b>	The suggested actions are detailed in section 3
<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>• Second Eastern Caribbean Civil Aviation Technical Group Meeting (E/CAR/CATG/2), Miami, USA, 15 to 17 July 2015</li><li>• Twenty-fifth Meeting of Directors of Civil Aviation of the Eastern Caribbean (E/CAR/DCA/25), St. John's, Antigua and Barbuda, 3–5 December 2013</li></ul>

**1. Introduction**

1.1 Following the E/CAR/CATG/1 Meeting, the E/CAR/CATG/2 has taken action to align its work programme with the objectives of the E/CAR/DCA/25 and the NACC/DCA/5 Meetings.

1.2 In support of ICAO's "No Country Left Behind" (NCLB) strategy, the E/CAR/CATG has also been aligning its work programme with these activities in the air navigation implementation matters.

## 2. Discussion

2.1 The E/CAR/CATG/2 Meeting was chaired by the newly elected E/CAR/CATG Chairperson Mrs. Shenneth Phillip from Antigua and Barbuda. It was attended by 9 States/Territories from the Eastern Caribbean and 1 International Organization, totalling 33 delegates.

2.2 The E/CAR/CATG/2 Meeting report was approved by the E/CAR Directors Generals since 20 October 2015, reference ICAO State Letter EMX0795 dated 24 September 2015.

2.3 The E/CAR/CATG/2 Meeting conducted a follow-up and agreements to support the Second NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/2) Conclusions as detailed in the ANI/WG/2 WP (WP/11) and have the following discussions:

- a) The Meeting took note of the NACC NCLB strategy, the First Annual Global Air Navigation Report and Regional performance dashboards, among their common reference for conducting their work;
- b) the Meeting agreed to conduct the necessary review of the draft electronic Air Navigation Plan (eANP) to facilitate the development and approval of the eANP, through the designated Points of Contact (PoCs);
- c) the Meeting congratulated the relevant participation of the PIARCO FPL Mon Group representatives and the E/CAR States/Territories, and committed to support their activities;
- d) recognizing the existence of two training Plus Centres in the E/CAR area, (Barbados and Trinidad and Tobago), the Meeting urged both entities to work together to attend the training needs in the E/CAR and to report their progress to the NAM/CAR Civil Aviation Training Centres Working Group (NAM/CAR/CATC/WG), as well as to participate more actively in the goals established in the NAM/CAR/CATC/WG. The E/CAR/CATG Committees were also urged to provide their input to identify training needs in the next NAM/CAR/CATC/WG; and
- e) follow-up the progress of each Committee.

2.4 Since the E/CAR/CATG/2 Meeting, the following progress has been achieved and reported by the Committees:

### 2.4.1 ATM Committee

- Updating the E/CAR ATM Committee's PoCs
- Review of Performance-Based Navigation (PBN) activities/initiatives within the E/CAR area
- Review of Air Traffic Service(s) (ATS) Coordination activities between VC Bird APP, Princess Juliana APP, San Juan CERAP and Piarco ACC
- Updates on the *Caribbean and North Atlantic Regional Supplementary Procedures* (Doc 7030) amendment submission
- Review of ATS Letters of Agreement (LOAs)
- Operational use of Controller-Pilot Data Link Communication (CPDLC) and Automatic Dependent Surveillance - Contract (ADS-C) in the E/CAR area
- Operational assistance for Argyle Airport Commissioning in Saint Vincent and the Grenadines (SVG)

- Regarding Air Traffic Flow Management (ATFM) and PBN activities, Trinidad and Tobago conducted ATFM/ Collaborative Decision Making (CDM) and PBN workshops from 16 to 22 November 2015

## 2.4.2

**AIM Committee**

- Implementation of a PIARCO AIS/NOTAM Contingency Plan
- Implementation of a Quality Management System (QMS) for AIS in the Eastern Caribbean, the group will work towards implementation of QMS within the E/CAR
- The Central Flight Planning Unit is intended to be implemented within the third quarter of 2015 and will seek to solve two problems: (1) instituting a single Aeronautical Fixed Telecommunication Network (AFTN) address to be used within the Piarco Flight Information Region (FIR) and (2) to organize a central flight planning system that will analyse and automatically address flight plans to the appropriate States with the Piarco FIR
- The area of Electronic Terrain and Obstacle Data (eTOD) was identified for desired training. In this regard, a Seminar was scheduled for November 2015 in Mexico City
- An urgent need for QMS training was identified
- States are committed to developing the AIM action plans for the AIS to AIM transition (Conclusion NACC/WG 4/7 - *AIM action plans for the AIS to AIM transition*).

## 2.4.3

**AGA Committee**

- Within the E/CAR only 20 of the 34 (59%) international aerodromes are certified
- OECS should ensure that regulatory framework be established to allow for certification in accordance with Annex 14 - *Aerodromes*
- Two of the critical safety issues associated with aerodrome operations continue to be Runway Excursions (RE) and Runway Incursions (RI). Trinidad and Tobago has a functioning Runway Safety Team (RST). In this regard, all E/CAR States are urged to establish RSTs.

## 2.4.4

**Eastern Caribbean Network Technical Group (E/CAR/NTG) and Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD)**

- The progress on Communications and Radar Data Sharing are presented by the Eastern Caribbean Network Technical Group and Eastern Caribbean Radar Data Sharing Ad hoc Group (E/CAR/NTG - E/CAR/RD) in WP/12.

## 2.4.5

**MET Committee**

- Contact has been established with the Caribbean Meteorological Organization (CMO). Actions and procedure still to be agreed.

## 2.4.6

**SAR Committee**

- The progress shall be reported by the Committee, another WP to this Meeting.

2.4.7 **CNS Committee**

- The progress on the Committee is presented also in WP/12.

2.5 **Appendix** to this paper includes a follow-up to the valid E/CAR/CATG/2 Conclusions/Decisions.

3. **Suggested Actions**

3.1 The Meeting is invited to:

- a) Take note of the E/CAR/CATG achieved activities and recent progress;
- b) review and propose any action or additional request for the E/CAR/CATG to fulfil the technical requirements for Air Navigation in the E/CAR Region following the progress made and the follow-up to the Conclusions;
- c) urge the Caribbean Meteorological Organization (CMO) to actively support the coordination and actions with the E/CAR/CATG in accomplishing the Aeronautical Meteorological needs;
- d) ensure the participation of the E/CAR States and Territories experts in the E/CAR/CATG Committees, especially for the Aerodromes, Air routes and Ground aids (AGA) and Search and Rescue (SAR) Committees; and
- c) take any other action as deemed necessary.

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**FOLLOW-UP TO VALID CONCLUSIONS FROM E/CAR/CATG/2 MEETING**

<b>Conclusion</b>	<b>Text</b>	<b>Follow-up</b>	<b>Status</b>
<b>CONCLUSION ECAR/CATG/2/1 ATFM IMPLEMENTATION IN THE PIARCO FIR</b>	That, E/CAR States/Territories, in order to ensure the ATFM implementation in the Piarco FIR: a) encourage signing or updating the ATFM LoAs to facilitate the implementation of Traffic Management Initiatives (TMIs) in the Piarco FIR, as required; b) encourage participation of their specialists in the ATFM/CDM workshop to be hosted by Trinidad and Tobago in November 2015; c) publish the capacity of their international aerodromes under their jurisdiction by <b>31 December 2015</b> ; and d) conduct ATFM teleconferences in the E/CAR applying the format suggested in E/CAR/CATG/2 WP/17 Appendix A.	To be conducted/ follow-up in the ATFM/CDM/PBN event in Trinidad and Tobago – Nov 2015	Valid
<b>CONCLUSION ECAR/CATG 2/2 ACTIONS TO ADDRESS THE PERSISTENT PROBLEM OF MISSING/DUPLICATE AND ERRONEOUS FLIGHT PLANS</b>	in order to support the ANI/WG FPL Monitoring Group effort to solve the missing/duplication/erroneous flight plans in the E/CAR area, the E/CAR States and Territories: a) ensure that corresponding flight plan related regulations are in place identifying the requirements for the submission of Flight Plans in the States; where Regulations are not in place, make the necessary recommendations for the development of such regulations; b) at the aerodrome of departure, address problems at the source, ensuring that airlines/aircraft operating agencies and all originators of flight plans should be contacted each time an error is detected and be asked to make the necessary corrections; and c) report the progress to these actions by the E/CAR/CATG/3 Meeting.	The PIARCO FPL Mon Group representatives are actively participating in these activities as observed in the Second round of FPL error data collection conducted in this second Semester 2015	Valid
<b>CONCLUSION ECAR/CATG 2/3 POS AIM TARGET – ACHIEVEMENT IN THE E/CAR AIM</b>	That, in order to identify all the challenges and deficiencies related to AIS and aligned to the fulfillment of the POS, targets review and complete the efforts for achieving the AIM POS target, and the AIM Committee convene a Meeting to be hosted by Antigua and Barbuda by November 2015 in order to develop action plans to assist States in meeting the aforementioned target.	Meeting of AIM experts agreed for Antigua and Barbuda for March 2016	Valid
<b>DECISION ECAR/CATG 2/4 IMPLEMENTATION OF A SINGLE QMS CERTIFICATION FOR THE EASTERN CARIBBEAN</b>	in order to facilitate the implementation of AIM QMS in the E/CAR area: a) Trinidad and Tobago continue with the actions to achieve a QMS certified by ISO 9001 standard as required in Annex 15 and the POS Declaration; and b) the AIM Committee Rapporteur liaise with the NACC AIM RO and the Rapporteur of the ANI/WG AIM Task Force for support on the matter of a single certification and report findings to the ECAR/DCA/26 meeting.	Development of LoAs on the Quality Management System (QMS) for AIS (AIM), and to present a proposal to Trinidad and Tobago to allow the OECS Territories to operate under the umbrella of its AIM QMS: To be complete –continue by 2016 AIM Implementation Meeting	Valid

Conclusion	Text	Follow-up	Status
<b>CONCLUSION ECAR/CATG 2/5 REGULATORY FRAMEWORK ON OECS STATES FOR AERODROME CERTIFICATION</b>	That, in order to support the achievement of the POS target on Aerodrome certification, the OECS States publish by <b>30 December 2015</b> the regulatory framework to allow the certification of international aerodromes in accordance with Annex 14 requirements and the ICAO Universal Safety Oversight Audit Programme (USOAP).	To be reported by ECCAA	Valid
<b>CONCLUSION E/CAR/CATG/2/6 AGA COMMITTEE POCS</b>	That, in order to reactivate and continue the work of the AGA Committee, the E/CAR States/Territories nominate Points of Contact (PoCs) (Authority and Airport Service Providers) to the AGA Committee, reporting to ICAO, the ECAR/CATG Chairperson and the AGA Committee Rapporteur by <b>31 August 2015</b> .	Still lack of participants to this Committee. E/CAR DCA's support is requested.	Valid
<b>DECISION E/CAR/CATG/2/7 COORDINATION OF MET MATTERS</b>	That, in order to continue the coordination between the E/CAR/CATG Chairperson and the Caribbean Meteorological Office (CMO) to follow-up on Aeronautical implementation matters, the E/CAR/CATG Chairperson: a) Follow-up on the CMO/ E/CAR/CATG agreement to coordinate regional aeronautical meteorology matters;  b) determine and agree on how to work together and exchange information;  c) develop with the CMO the MET Action Plan based on the RPBANIP MET Regional Performance Objective (RPO); and  d) report the progress on these actions by the E/CAR/DCA/26 Meeting.	The CMO was contacted in the person of Mr G. De Souza.  Exchange of information was decided on and will be via Email.  The Action plan based on the RPBANIP was shared and is presently been worked on	Valid
<b>CONCLUSION ECAR/CATG 2/8 HARMONIZATION OF SAR SERVICES IN THE E/CAR</b>	That, a) E/CAR States/Territories submit to the SAR Committee Rapporteur by 30 October 2015: i. information of their Points of Contact (POCs) in the civil and military areas for coordination of the SAR services; ii. improvements made to SAR services based on the analysis of their respective SAR capabilities; and iii. their respective implementation Projects to be harmonized with the Regional SAR Implementation Project; and  b) E/CAR States/Territories convene a high level meeting in the second quarter of 2016 with the participation of civil aviation Authorities and maritime authorities of the E/CAR States/Territories and States of adjacent FIRs, for the harmonized provision of SAR servicers in the E/CAR. FIRs, for the harmonized provision of SAR servicers in the E/CAR.	SAR Committee to report	Valid

Conclusion	Text	Follow-up	Status
<b>DECISION E/CAR/CATG/2/9</b>	That, in order to continue the work of the E/CAR Committees, the E/CAR/CATG approves the update of the ATM, AIM, AGA and CNS Committees work programme.	Activity ongoing with each Committees and shall have an update by end of 2015	Valid
<b>CONCLUSION ECAR/CATG 2/10</b>	<p>That, taking into account the required operational coordination between Civil Aviation Authorities of adjacent airspaces to Saint Vincent and the Grenadines Argyle International Airport, Saint Vincent and the Grenadines Civil Aviation Authority as a matter of urgency:</p> <p>a) begin official coordination and share relevant information with adjacent E/CAR States/Territories so that they are better informed in order to ensure safety within their respective airspaces of jurisdiction through a proper Air Navigation Services (ANS) implementation project;</p> <p>b) submit to ICAO NACC Regional Office the relevant information concerning the CAR/SAM ANP requirements associated with ANS operations for Argyle International Airport; and</p> <p>c) review the performance-based metrics and benefits achieved (Air Navigation Report Forms (ANRFs)).</p>	No progress was reported by Saint Vincent and the Grenadines Civil Aviation Authority	Valid
<b>DECISION E/CAR/CATG/2/11</b>	That, in order to measure and monitor the progress achieved in the E/CAR area related to air navigation matters, the E/CAR/CATG Rapporteurs review the air navigation targets as detailed in the preliminary analysis done by the ANI/WG/2 Meeting and collect the data in the revised ANRFs by <b>15 October 2015</b> .	Task has been delayed due to reviewed of corresponding action plans and progress reported by Committees. New target date is Feb 2016	Valid
<b>CONCLUSION E/CAR/CATG/2/12</b>	That, the E/CAR/CATG Terms of reference (ToRs) and Work programme as shown in Appendix L be considered approved.	This has been approved as 20 October 2015	Completed

Conclusion	Text	Follow-up	Status
<b>CONCLUSION</b> <b>E/CAR/CATG/2/13</b>	<p>That. E/CAR States/Territories, in coordination with CASSOS:</p> <p>a) establish an operational regulatory framework for the use of RPAs in the ATS airspace and international aerodromes under their jurisdiction in order to:</p> <ul style="list-style-type: none"> <li>i. facilitate the implementation of safety risk management tools related to RPAs operation;</li> <li>ii. use the existing mechanisms for the purpose of sharing critical information related to RPAs operations and airspace use restrictions;</li> <li>iii. facilitate educational means by media and other tools for users regarding RPAs operations;</li> <li>iv. conduct risk assessment of non-regulated use of RPAs in the vicinity of aerodromes;</li> <li>v. support coordination between Civil/Military Authorities to ensure the safety of civil aircraft operations as outlined in ICAO Cir 330 — <i>Civil/Military Cooperation in Air Traffic Management</i>; and</li> <li>vi. request assistance to ICAO NACC Regional Office regarding regulatory framework as outlined in ICAO Cir 328 — <i>Unmanned Aircraft Systems (UAS)</i>; and</li> </ul> <p>b) report on the progress of regulatory development and implementation of RPAs to the E/CAR/DCA/27 Meeting.</p>	Ongoing	Valid