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North American, Central American and Caribbean Office

WORKING PAPER

E/CAR/NTG/5 & E/CAR/RD/3

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**Fifth Eastern Caribbean Network Technical Group (E/CAR/NTG/5) and Third Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/3) Meetings**  
Guadeloupe, France, 22 to 24 October 2014

**Agenda Item 5: Other Business**

**ASBU CONSIDERATIONS FOR INCLUSION IN E/CAR/NTG AND RDS ACTIVITIES**

(Presented by the Secretariat)

<b>EXECUTIVE SUMMARY</b>	
This working paper presents an overview of the Aviation System Block Upgrade (ASBU) methodology adopted under the NAM/CAR Regional Performance based Air navigation Implementation Plan for the Group consideration and update of existing work programme and Terms of Reference.	
<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>• First Eastern Caribbean Civil Aviation Technical Group Meeting (E/CAR/CATG/1), Martinique, French Antilles, France, 19 to 21 June 2013</li><li>• First NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/1), Mexico City, Mexico, 29 July to 1 August 2013</li><li>• NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (NAM/CAR RPBANIP) ver 3.1</li><li>• ICAO Doc 9750 - <i>Global Air Navigation Plan (GANP)</i></li></ul>

**1. Introduction**

1.1 The ICAO Assembly (States) endorsed the Fourth Edition of the *Global Air Navigation Plan (GANP)*, Doc 9750, which provides strategic direction for the ICAO global air navigation system technical work programme and serves as global guidance for the PIRGs, States, service providers, airspace users, and other stakeholders. The GANP offers these entities long-term vision with developing and implementing air navigation infrastructure and avionics advances leading to full global harmonization of the ATM system.

1.2 The GANP includes a valuable set of implementation tools under the Aviation System Block Upgrades (ASBUs) methodology. The ASBUs are complemented by Communication, Navigation and Surveillance (CNS) avionics and information management roadmaps. The ASBUs and the roadmaps related to technology were an integral part of the GANP and constitute.

1.3 ASBUs are organized in five-year increment working programmes starting in 2013 and continuing through 2028 and beyond. The ASBU methodology serves as a comprehensive framework encompassing a set of modules, which are organized in flexible and scalable blocks and can be implemented in a State or region depending on the operational needs and preparation level in regard to:

- Aerodrome operations
- Interoperability and data through the globally interoperable System-Wide Information Management (SWIM) system
- Optimization of capacity and efficiency through global collaborative air transport management
- Efficient flight paths through trajectory-based operations and future actions for air navigation

1.4 Once operational implementation of ASBU modules has been completed, a strategic monitoring programme for identifying air navigation performance achievements will be established.

## 2. Discussion

2.1 To this extend, the ANI/WG reviewed and supported the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (NAM/CAR RPBANIP) and aligned the Regional Performance Objectives (RPOs) with the ICAO ASBU modules. The ANI/WG recognized that by adopting the ASBUs, all air navigation regional plans and implementation activities would be updated during 2014 with the RPBANIP version 3.1.

2.2 The NAM/CAR ANI/WG/1 and the E/CAR/CATG/1 Meetings noted these tasks.

2.3 The RPBANIP is available at the following link: <http://www.icao.int/NACC/Pages/namcar-RPBANIP.aspx>, including the 18 ASBU Block 0 modules adopted by the NAM/CAR regions and the corresponding Air Navigation Reporting forms (ANRFs).

2.4 Considering that the communication network will be a key component of the ASBU implementation, the existing work programme and terms of reference shall be reviewed and updated accordantly for its approval by the States.

2.5 Eventually for 2015, the RPBANIP content will be migrate to the Volume III of the electronic Regional Air Navigation Plan (eANP).

**3. Suggested Action**

3.1 The Meeting is invited to:

- a) take note of ASBU and the RPBANIP considerations;
- b) review and update the E/CAR/NTG and RDS work programme and terms of reference aligning them to the RPBANIP and ASBU methodology; and
- e) take any other action as deemed necessary.

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