



- Agenda Item 2: Air Navigation Matters**
- 2.1 Implementation of the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (NAM/CAR RPBANIP)**
- **Implementation of RNAV/RNP (PBN) approaches**

IMPLEMENTATION OF RNAV/RNP (PBN) APPROACHES

(Presented by Barbados)

SUMMARY	
This working paper addresses the dire need for States in the E/CAR Region to implement their RNAV/RNP (PBN) Approaches.	
References:	
• E/CAR/WG/22 Report • E/CAR/WG/31 Report	
Strategic Objectives	<i>This working paper is related to Strategic Objectives A – Safety and D – Efficiency.</i>

1. Introduction

1.1 The E/CAR/WG/22 Meeting of 1998 established a CNS/ATM Implementation Plan for the E/CAR Region that was managed by the now defunct Inter-caribbean Aeronautical Communications Ltd. (IACL). Out of this plan significant sums of money were expended for the conduct of planimetric surveys, transitioning to WGS84 coordinates and the development of RNAV/RNP (PBN) Approaches for each airport within the E/CAR Region.

2. Implementation Status

- In 1999 Barbados implemented its RNAV/RNP (PBN) Approaches as its secondary procedures for the Y2K programme.
- Trinidad and Tobago, St. Vincent and the Grenadines for Canouan and St. Kitts and Nevis for Nevis, implemented RNAV/RNP (PBN) Approaches.
- Air Traffic Services personnel in Barbados, Trinidad and Tobago, St. Vincent and the Grenadines and St. Kitts and Nevis received GNSS Training. Indeed some twelve years later in 2010 the E/CAR Region has made no further progress.

3. Discussion

3.1 In 2005 the E/CAR Region agreed to withdraw NDBs from service with a completion date of 2018. States have commenced this programme of withdrawal of NDBs. However, those States are receiving complaints from the flying public that when the services of VORs are unavailable due to failures, that they have no means of navigation. It is imperative therefore that the E/CAR/WG/32 immediately seek to implement a programme to mitigate against this situation.

3.2 States are should be required to update the meeting on the status of implementation of their RNAV/RNP (PBN) Approaches.

4. Recommendation

- All E/CAR States/Territories complete plane metric surveys and implement WGS-84 coordinates by 31 December 2010.
- All E/CAR States/Territories develop and implement RNAV/RNP (PBN) Approaches by 31 March 2011.
- Trinidad and Tobago Civil Aviation Authority issue the appropriate circular informing all pilots and aircraft operating companies to conduct the required pilot training and equip aircraft with GNSS capability by 31 December 2010.

5. Action Required

5.1 The Meeting is required to:

- a) note the contents of this paper;
- b) urge States to implement the recommendations contained herein; and
- c) ICAO should urge States to take the actions contained in this working paper.