

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN OFFICE**

**TWENTY-SIXTH EASTERN CARIBBEAN INFORMAL WORKING GROUP MEETING
(26TH E/CARIWG)**

(Barbados, 3 to 7 June 2002)

Agenda Item 5: **CNS/ATM Developments**

5.2 GNSS Training

(Working Paper presented by Barbados)

SUMMARY

The purpose of this paper is to inform the meeting of the offer made by Barbados over the past three years, to provide on site GNSS Training to States in the E/CAR States in the E/CAR Region, which no State has taken up. The paper also urges States to capitalize on the GNSS Training and immediately implement their RNAV GPS approaches so that other phase of the E/CAR CNS/ATM Transition Plan can be realized.

1 Introduction

1.1 The E/CAR Region through a well coordinated action plan, has completed a number of phases of its CNS/ATM Transition Plan. The phases were all in the area of CNS, and to this end WGS-84 surveying at all the Region's airports was concluded and the related RNAV GPS approaches constructed and tested. In the areas of communication and surveillance, the New Digital Network was implemented. Indeed there are some initial difficulties experienced in the implementation of the system, however users are growing in confidence with the reliability of the network. The surveillance aspect has seen the emergence of MSSRs in the provision of air traffic services.

2. Fact

2.1 The region being mindful of the need to move ATM in the CNS/ATM Transition Plan forward, appointed a GNSS Study Group, which compiled a GNSS training programme. The training programme was presented at the 23rd E/CAR IWG Meeting in 1999 and later approved by the Region's DCAs.

2.2 Most States have not adopted this training programme and this resulted in the dormancy of the programme. Further the navigation aspect of CNS/ATM has been greatly hampered because States have not implemented their RNAV GPS approaches. The Implementation process cannot take place until their ATS personnel have been given GNSS training.

2.3 Barbados has implemented the Regions' GNSS training programme at its training institution. Its RNAV GPS approaches have also been established. Barbados has offered to deliver the Regions' GNSS Training Programme on site to States. To date, no State has taken up the offer even though they have made several requests at past E/CAR IWG Meeting and Barbados submitted its GNSS programme of training for the Region to ICAO's NACC Office to be passed on to States.

3. Request

3.1 It should be noted that the öarcp ACC and Barbados have issued an aeronautical circular implementing GNSS as supplementing means of navigation in the Piarco FIR. States are requested to move expeditions to have their personnel trained in GNSS and therefore implement the RNAV GPS approaches. This will remove the complete reliance on conventional ground based aids for navigation when at this time of the year consideration is given to the devastating impact hurricanes can have on ground based aids.

4. Action requested

4.1 The Meeting is invited to nominate an entity to coordinate the GNSS training programme for States in the E/CAR Region.
