



INTERNATIONAL CIVIL AVIATION ORGANIZATION

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP

THIRTEENTH MEETING (APIRG/13)

(Sal, Cape Verde, 25-29 June 2001)

Agenda Item 4: Air Navigation Issues**4.7 Ghana Radar Systems and the Accra FIR Review**

(Presented by Ghana)

Summary

This paper is a brief of the CNS/ATM implementation actions of the Ghana CAA as indicated in the AFI CNS/ATM implementation plan.

1. Introduction

In cognisance of the increasing number of air traffic within the Accra FIR and the requirements of the AFI CNS/ATM plan, the Ghana CAA has decided to institute measures which include the installation of new MSSR radars, communications and meteorological systems and a general review of the FIR Organization.

Information pertaining to these programmes are detailed below.

1.1 MSSR

Two new MSSR have been installed at Tamale in Northern Ghana and at the Accra International airport. The system allows for an integrated radar data format processing and transmission to a new Area Control Centre in Accra. Each radar head has a coverage of a radius of 250nm centred on their respective locations.

The objective is to provide radar coverage for the entire land area of the Accra FIR as well as 250nm radius of the oceanic area centred on the Accra VOR/DME.

Other facilities available in the radar systems include:

- a. Short Term Conflict Alert (STCA)
- b. Minimum Safe Altitude Warning (MSWA) and
- c. Dangerous Area Information Warning (DAIW)

1.2 In view of this extensive radar coverage, it is planned to sectorise the Accra FIR and provide the following services:

- a. Accra TMA will be expanded to sixty nautical miles radius centred on the Accra VOR/DME for the provision of Approach Radar Control.
- b. Accra North Control for the provision of Area Radar Control
- c. Accra South Control for the provision of Area Radar Control
- d. Accra Oceanic for the provision Flight Information using existing HFs until VSAT is provided.

1.3 The new systems procedures will be ready for application by the end of October 2001 and stakeholders will be informed accordingly.

1.4 Conclusion

The Meeting is invited to the contents of this information paper and provide comments as appropriate.

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