



International Civil Aviation Organization  
Eastern and Southern African Office

**Thirteenth Meeting of the Air Traffic Management/Aeronautical Information  
Management/Search and Rescue Sub-Group (ATM/AIM/SAR SG/13)  
(Nairobi, Kenya, 16 - 19 September 2013)**

---

**Agenda Item 12: AIM/MAP Issues**

**UPDATE ON ON-GOING IMPLEMENTATION OF SYSTEMS IN THE  
FRAMEWORK OF AIS-AIM TRANSITION IN THE ROBERTS FIR**

*(Presented by Roberts FIR)*

**SUMMARY**

This paper presents an update on on-going implementation of systems in the framework of AIS-AIM transition in the Roberts FIR.

Action by the meeting is at **paragraph 2**.

This information paper is related to Strategic Objectives: **A**

**1. INTRODUCTION**

1.1 Roberts FIR has embarked to have a complete and integrated solution for data processing automation of AIXM 5 database, eAIP, digital NOTAM, Charting, Data originator integration, NOTAM Office, Briefing, OPMET database, OPMET bulletin exchange (ROBEX), Flight Planning, Procedure design, Obstacle Handling (eTOD), and AIS website to improve the quality management of information, maintain the integrity of aeronautical data all along the process and optimize the efficiency of operations:

- AIXM database complaint with EUROCONTROL and EAD standard.
- Charting complaint with ICAO recommendations.
- AIP and eAIP publication features, based on AIXM exchange standards.
- eTOD functions for obstacle survey of our airfield on State level.

## 2. DISCUSSION

### *The transition from AIS to AIM*

2.1 Roberts FIR has obtain a technical and budgetary proposal from two software providers (COMSOFTs and ATALIS) and has included in its strategic development plan the implementation of innovative system for a better service provision and increased efficiency.

2.2 The systems Roberts FIR currently have in the AIS as follow below:

- Adobe Frame APS 8.0 which comprises of:-
  1. AIP Management; and
  2. AIXM database Management.

2.3 Roberts FIR further action to reduce risk(s) and resulting risk index:

- Update Local ATS instruction (LASTI);
- Update FIR Charts (implemented);
- Update LOPs;
- Introduction of ADS-B (Paid for awaiting FAT);
- Intersection are compulsory reporting point;
- Stress Management education (on going);
- Introduction of AMHS (Implemented);
- Upgrade of FDPS TO ATM system (on going);
- More effective coordination (update LOA);
- RNAV 10/RNP 10 (implemented);
- AORRA (implemented);
- SIGMET (training ongoing);
- RNAV(GNSS) and Conventional procedures (implemented on States level);
- CPDLC (on going);
- New V-SAT installed at Harper (Southern Sector) and commission NOTAM to follow later;
- Proposed V-SAT Kenema, Labe and N'zerekore 100% coverage of ADS-B;
- ADS-B Training (ATNS ongoing).

### *Actual Equipment*

2.4 **Communication:**

- 5 V-SAT: 100% coverage of the airspace.

## 2.5 **Navigation:**

- 3 DVORs
  - DVOR Conakry and Lungi okay.
  - DVOR Roberts out of service.
- RNAV (GNSS) approach procedures implemented at Conakry INTL Airport.
- Freetown Airport (ongoing).
- Roberts INTL Airport (ongoing).

2.6 The Roberts RCC is located at Roberts International Airport, Liberia. The Roberts RCC is the SAR point of contact (SPOC) with the COSPAS-SARSAT system, which provides alert and location data to the Roberts RCC to assist the search and rescue of person in distress in the three member's states Guinea, Liberia and Sierra Leone.

2.7 The information received by the Roberts RCC will be disseminated to the rescue sub-centers (RSC) of Conakry, Freetown and Robertsfield (Aeronautical) and also in charge of relaying to the (MRCC) Maritime Rescue Coordination Center Headquarters in Monrovia, they can rely to MRCC Rescue Sub-Centers in Freetown and Conakry as recommended.

2.8 Roberts FIR further actions to reduce risk and resulting risk index in the SAR field:

- 406 MHz (ongoing)
- AMHS (Implemented)

## 3. **ACTION REQUIRED BY THE MEETING:**

3.1 The meeting is invited to note the information provided in this information paper.

-----