



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE**

**TENTH APIRG ATS/AIS/SAR/SG MEETING
(Dakar, 13 – 15 May 2009)**

**Agenda Item 8: Review of ATS Route Network and update the AFI Basic ANP –
Table ATS 1 – Doc.7474/27**

(Presented by the Secretariat)

Summary

This paper reviews the ATS route network in the AFI Region, covering the routes or segments not implemented, and new routes that may be taken into account.

Action by the Sub-Group is at para 3.

References:-

- ICAO AFI ANP DOC 7474
- Report of APIRG/16
- Report of SP AFI/8 RAN Meeting

1. Introduction

1.1 The requirements for ATS routes in the AFI Region are contained in Table ATS 1 and shown on Charts ATS 2 and ATS 3 of the AFI Air Navigation Plan (ICAO Doc.7474).

2. Discussion

2.1 APIRG has tasked its ATS Sub-Group with reviewing the existing route network on systematic basis with a view to achieving an optimum flow of air traffic, while keeping flight distances of individual flights to a minimum. The Sub-Group was also tasked with monitoring the implementation of new or modified routes.

2.2 Presently a number of ATS routes or route segments as contained in Table ATS 1 of Doc 7474 remain unimplemented. In this regard the following conclusion was adopted by APIRG 16:

**CONCLUSION 16/46: IMPLEMENTATION OF THE NON-IMPLEMENTED ROUTES
INCLUDING RNAV ROUTES**

That States concerned implement the ATS routes at Appendix I as soon as possible, but not later than AIRAC date of 3 July 2008.

2.3 The Sub-Group may wish to note the list of the **non-implemented** routes/route segments established by APIRG 16, as shown in **Attachment A** to this Working Paper; and accordingly urge the States concerned to update the meeting on the implementation status.

2.4 Besides, since the APIRG 16 meeting, requirements for new RNAV ATS routes comprising east-west routes from the Gulf area through continental Africa to the Atlantic Ocean Random Routing Area (AORRA), have been presented by users. The Sub-Group is required to consider these new requirements and give a decision as for their implementation..

2.5 In view of the foregoing, the Sub-Group is requested to establish an implementation programme and **target date (s)** for all **routes/route segments** (including RNAV routes) to be implemented in the Region.

2.6 The Sub-Group is also requested to identify those ATS routes or route segments that do not meet operators requirements and as such should be **deleted** from the ICAO Air Navigation Plan.

2.7 When considering the issue in general, the Sub-Group should take into account the introduction of performance-based navigation (PBN) operations in the Region. In this regard the Sub-Group is reminded that the SP AFI/ 8 RAN meeting agreed to the following recommendation to guide the work of APIRG on PBN:

Recommendation 6/9 — Performance-based navigation (PBN) performance objectives

That APIRG adopt the Performance Objectives as contained in the performance framework forms in Appendix D to the Report on Agenda Item 6:

- a) optimization of the air traffic services (ATS) route structure in en-route airspace;**
- b) optimization of the ATS route structure in terminal airspace; and**
- c) implementation of vertically guided required navigation performance (RNP) approaches.**

That States develop their national action plans to meet the requirements of the regional performance framework forms, as a matter of priority to meet the PBN implementation goals established by Assembly Resolution A36-23.

3. Action Required

3.1 The Sub-Group is invited:

- 1) To review the ATS route network taking into consideration the information provided herein.
- 2) To agree that the new target date for the implementation of the non-implemented routes including RNAV routes at **Attachment A** should be AIRAC date.....
- 3) To agree that Table ATS 1 of the AFI Basic ANP be revised accordingly.

APPENDIX A

IMPLEMENTATION OF NON-IMPLEMENTED ROUTES INCLUDING RNAV ROUTES

Route Designator	Segment(s)	States	Observations/Remarks
UA618	Lumbumbashi Bukavu SAGBU Malatal	DRC Sudan	
UB525	Addis Ababa Luxor	Ethiopia Sudan	
UB527	Malakal Kenana	Sudan	Implemented at variance with AFI Plan via Kenana
UB607	Goma El Obeid New Valley El Dhaba	Sudan	
UG424	Dar-es-Salaam Lubumbashi	Tanzania	
UL612	Goma El Dhaba	DR. Congo Sudan Egypt	Egypt can accept implementation via ATMUL New Valley/KATAB/DBA
UM220	Lodwar Abu Simbel	Sudan	RNAV
UM365	Geneina Port Sudan	Sudan	RNAV
UM665	Addis Ababa Merowe	Sudan	
UR400	Abu Simbel Kassala	Sudan	
