



*International Civil Aviation Organization
Eastern and Southern African Office*

**Joint Meeting of the APIRG Performance Based Navigation and
Global Navigation Satellite System Implementation Task Forces (Joint
PBN & GNSS/I TFs)**

**First Meeting
(Nairobi, 8 - 10 September 2009)**

Agenda Item 4: Status of implementation of PBN in the AFI Region

STATUS OF PBN IMPLEMENTATION IN THE AFI REGION

(Presented by the Secretariat)

SUMMARY

This paper discusses the status of PBN and GNSS implementation; highlights essential implementation actions emanating from the Special AFI RAN Meeting, and Conclusions and Decisions formulated within the frameworks of APIRG, for review and update by the meeting.

Action by the meeting is at paragraph 3.

REFERENCES

- Assembly Resolution A36-23
- SP AFI RAN 2008 Report
- APIRG/16 Report

This Working Paper is related to Strategic Objectives: **A** and **D**

1. INTRODUCTION

1.1 Assembly Resolution A36-23 calls for, inter alia, the PIRGs and States to develop PBN Implementation plans in 2009. Accordingly, the APIRG/16 meeting Rubavu, Rwanda, 19-23 November 2007, Special AFI RAN Meeting Durban, South Africa 24-29 November 2008, the PBN/TF/2 meeting in December 2008, and the ATS/AIS/SAR/SG/10 meeting in May 2009 formulated a number of Recommendations, Conclusions and Decisions aimed at fostering and otherwise assisting States in their efforts to implement PBN.

2. DISCUSSION

2.1 The following is a summary of actions that were required or mandated by the Recommendations from SP AFI RAN 2008 as well as Conclusions and Decision from within the framework of APIRG, to meet the provisions of Assembly Resolution A36-23:

ACTION	To be initiated by	Target date	Status
Establishment of PBN implementation bodies/structures	States		
PBN Implementation Regional Plan	PBN TF	2009	
PBN Implementation National plans	States	2009	
PBN Implementation Action Plan	PBN TF		
PBN Implementation Regional Objectives	APIRG/PBN TF		
Implementation of GNSS en-route and non precision approach operations	States		
Survey of aircraft (readiness) equipage	Regional Offices and IATA, AFRAA		
Nomination of PBN NPMs			
Implementation of requisite elements for PBN including training (10/19, 10/20)			
Training modules on PBN	ICAO	31 December 2009	
PBN Legislation (10/21, Rec6/14)	States	Before Implementation of PBN	
Funding (for regulatory bodies, operators, service providers and other stakeholders) of the PBN Implementation Programme (2/9)	States		
States having taken part in the IATA area navigation (RNAV) global navigation satellite systems (GNSS) procedures development and implementation programme and which had not yet done so, publish GNSS-based required navigation performance (RNP) approaches, and at the same time, remove any operational restrictions that may be in place and	States		

ACTION	To be initiated by	Target date	Status
<p>b) States that had not taken part in the IATA RNAV GNSS procedures development and implementation programme, seek assistance from appropriate organizations with the objective of designing and implementing GNSS-based RNP approach procedures</p>			
<p>ICAO provide assistance to States in overcoming legal and regulatory difficulties associated with implementation of global navigation satellite systems (GNSS) approach procedures.</p>	ICAO		

2.2 Participating States are requested to update the meeting by way of presentation of up to 10 minutes addressing the above items as they relate to their States, and other relevant issues in this context.

3. Action by the Meeting

3.1 The meeting is invited to:

- a) note the information provided in this working paper;
- b) note the information provided by States in their presentations;
- c) review the status of outstanding work; and
- d) update the related Conclusions and Decisions.
