

Appendix A – PBN Project

AAO SG Project Team 1: PBN Airspace Concept (Airspace Design) and AFI Optimized Route Trajectories and Airspace (AORTA).

Project Lead: Kenya

Project Membership: Cape Verde, Kenya, Ghana, Mauritania, Nigeria, Seychelles, South Africa, Togo, ASECNA, IFATCA, IATA, CANSO

Project Number: A1 & A2

Priority: 1A

Related ASBU Module: FRTO, CCO & CDO

Appendix B – Terms of Reference

Project Number A1 and A2	
Project Name	PBN Airspace Concept (Airspace Design) and AFI Optimized Route Trajectories and Airspace (AORTA)
Objective	To assist States in the harmonized implementation of PBN and ASBU Modules B0-FRTO, B0-CCO, B0-CDO.
Scope (Focus area and priorities)	Based on the airspace user needs and in coordination with stakeholders (States, International Organizations, user representative organizations and other ICAO Regions), ASBU Modules identified by APIRG, AFI Regional Performance Objectives, the Regional PBN Implementation Plan, as well as related ICAO provisions and guidance material: <ol style="list-style-type: none"> a) Identification of requirements and improvements for achieving and maintaining an efficient route network in the AFI Region b) Establishment of a phased approach to the implementation of PBN in conjunction with ASBU Modules B0-FRTO, B0-CCO, B0-CDO c) Coordination and implementation assistance d) Route network maintenance and continuous improvement e) Monitor progress in the implementation of B0-APTA and facilitate coordination with the implementation of related Modules, e.g., B0-CDO
Key tasks (Inputs)	To assist States in the in the harmonized implementation of PBN and ASBU Modules B0-FRTO, B0-CCO, B0-CDO).
Policy and Strategic Management	GANP, AFI ANP, Bilateral agreements
Inputs	States, ANSPs, Users and ICAO expertise to assist in development and implementation
Results(Expected outcomes)	➤ Optimization of airspace

AAOSG6 WP 3.2C-

	<ul style="list-style-type: none"> ➤ Implementation proposals for ATS route trajectories. Material for ANP amendment proposal ➤ Implementation roadmaps and strategies, including harmonized implementation target dates 																
Targets and Indicators Measurement tools (metrics)	Percentage of the route network PBN based routes. Number of FIRs with User Preferred Routes (UPRs)																
Process (activities)	<ul style="list-style-type: none"> ➤ Implementation meetings, electronic and on site ➤ Implementation workshops ➤ Assistance workshops ➤ Assistance Go Team missions 																
Timelines	<ol style="list-style-type: none"> 1. Training 2014-2015 2. Agreements to finalized by June 2015 3. By December 2015 4. Identification of data by March 2016 5. Start of data exchange by April 2016 																
Resources (Funding arrangements)	1. Expertise provided by States, users and ICAO. Core of the Team:																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">a) ATM (3 Airspace planners (8), air traffic controllers</td> <td style="width: 30%; text-align: center;">11</td> </tr> <tr> <td>b) PBN PANS OPS - 2</td> <td style="text-align: center;">2</td> </tr> <tr> <td>c) User representatives IATA & its member airlines (5) IFALPA (1)</td> <td style="text-align: center;">6</td> </tr> <tr> <td>d) ARMA</td> <td style="text-align: center;">1</td> </tr> <tr> <td>e) ICAO</td> <td style="text-align: center;">2</td> </tr> <tr> <td>f) TOTAL CORE GROUP</td> <td style="text-align: center;">22</td> </tr> <tr> <td>g) invited experts, sponsors, authorities (as needed for specific session/s)</td> <td style="text-align: center;">5</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	a) ATM (3 Airspace planners (8), air traffic controllers	11	b) PBN PANS OPS - 2	2	c) User representatives IATA & its member airlines (5) IFALPA (1)	6	d) ARMA	1	e) ICAO	2	f) TOTAL CORE GROUP	22	g) invited experts, sponsors, authorities (as needed for specific session/s)	5		
	a) ATM (3 Airspace planners (8), air traffic controllers	11															
	b) PBN PANS OPS - 2	2															
	c) User representatives IATA & its member airlines (5) IFALPA (1)	6															
	d) ARMA	1															
	e) ICAO	2															
	f) TOTAL CORE GROUP	22															
	g) invited experts, sponsors, authorities (as needed for specific session/s)	5															
2. Tools provided by States, users, and ICAO																	
<ol style="list-style-type: none"> a) Chart development tools b) Flight planning tools c) d) <ol style="list-style-type: none"> 3. Time allocations for events (meetings, workshops, etc.) 4. Finances related to hosting of events and travel for expert Team Members 																	
Monitoring and reporting	Update regional dashboard. Report to AAO Sub-Group and APCC																