



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)

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**Agenda Item 6: PBN Implementation Action Plan**

**PBN IMPLEMENTATION ACTION PLAN**

(Presented by the Secretariat)

<b>SUMMARY</b>
This paper proposes the review and adoption of the work done by the Working Groups established by the PBN/TF/2 meeting, to develop the Performance Objectives and PBN Implementation Action Plan. The paper also proposes the review, update and consolidation of associated Decisions.
Action by the meeting is at paragraph 3.
<b>REFERENCES</b>
- ATS/AIS/SAR/SG/10 Report.
This Working Paper is related to Strategic Objectives: <b>D</b>

**1. Introduction**

1.1 The PBN Task Force in Nairobi, 4-6 December 2009 adopted the following Conclusion:

**Conclusion 2/15: AFI PBN Action Plan.**

**That the APIRG PBN Task Force develop the PBN Action Plan using the material at Appendix F to this report (PBN/TF/2).**

1.2 The above Task Force Conclusion was endorsed by the ATS/AIS/SAR/SG/10 meeting Dakar, 12-15 May 2009 and formulated Decision 10/07: AFI Regional PBN Performance Objectives and Action Plans as follows:

**Decision 10/7: AFI Regional PBN Performance Objectives and Action Plans**

**That, in accordance with Special AFI RAN 08 Recommendation 6/9, the APIRG PBN Task Force finalizes the development of the AFI PBN performance objectives and Action Plans based on the performance framework forms (PFFs), and report to APIRG.**

1.3 The PBN/TF/2 meeting also formulated Decisions 2/2 and 2/3 which established the two Working Groups, PBN Task Force Working Group on En-Route and Terminal and Approach operations. The working Groups are to develop the Performance Objectives and PBN Implementation Action Plan .

**Decision 2/2:**

**Establishment of a PBN Task Force Working Group on En-Route Operations**

That an En-Route Working Group is established with the following members to develop the AFI PBN Performance Objectives and Action Plan for en – route phase of flight operations.

**Members of Working Group for En-route**

Algeria	South Africa
Benin	Sudan
Burundi	Tanzania
Cape Verde	Uganda
DRC	ASECNA (Rapporteur)
Egypt	IATA
Lesotho	IFALPA
Liberia	IFATCA
Mauritius	Roberts FIR

**Decision 2.3**

**Establishment of a PBN Task Force Working Group on Terminal and Approach Operations**

That a Terminal/Approach Working Group is established to develop the AFI PBN Performance Objectives and Action Plan for terminal and approach phases of flight operations.

### Members of the Working Group for Terminal and Approach

Botswana	Senegal
Cameroon	Seychelles (Rapporteur)
Chad	Sierra Leone
Ethiopia	Tunisia
Ghana	ASECNA
Kenya	IATA
Liberia	IFALPA
Nigeria	IFATCA
Rwanda	Roberts FIR

1.4 Decision 2/4 of the PBN Task Force outline the modalities by which the Working Groups would conduct their business which includes the use of electronic means for communication and exchange of working material, as well as the use of the ICAO website: [www.icao.int/esaf/pbn](http://www.icao.int/esaf/pbn).

#### Discussion

1.5 The meeting may wish to review and adapt the presentations by the Rapporteur of the PBN Task Force Working Group on En-Route Operations (WG-EO) and of the Working Group on Terminal and Approach Operations (WG-TAO).

1.6 The meeting may also wish to review the Decisions 2/2, 2/3 and 2/4 of the PBN/TF/2 in context of the ATS/AIS/SAR/SG/10 Decision 10/07, and, taking into consideration the required work to facilitate PBN implementation, formulate the following Decision follows:

#### **Decision 1/X: Assignment of Tasks**

That, in order to facilitate PBN implementation in the AFI Region:

- a) the Joint PBN and GNSS Implementation Task Forces (proposed PBN/GNSS/I/TF) are to deliver on the tasks in Appendix 6X to the Report of Agenda Item 6.; and
- b) the Working Groups are to utilize, to the extend practical, electronic means of communication and exchange of working material (documents), and use available ICAO website as necessary

(This Decision supersedes the PBN TF/2 Decisions 2/2, 2/3, 2/4; ATS/AIS/SAR/SG/10 Decision 10/07)

**3. Action by the Meeting**

3.1 The meeting is invited to:

- a) note the information in this working paper;
- b) review and update work of the Working Group on En-Route Operations (WG-EO) and of the Working Group on Terminal and Approach Operations (WG-TAO); and
- c) approve the Decision under paragraph 2.1 of this working paper, as well as update the Task List referred to in the Decision.

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**Joint PBN & GNSS/I TFs**  
**Appendix A to WP 6**

No.	ICAO Strategic Objective	Associated GPI	Tasks	Objective	Deliverables	Target Date	To be delivered by	Supporting Parties	Status
1	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21	Develop the AFI PBN Performance Objectives and Action Plan for en – route phase of flight operations.	To facilitate PBN Regional implementation	Draft document		Working Group on En-Route Operations (WG-EO)	States, ROs	Ongoing
2	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21	Develop the AFI PBN Performance Objectives and Action Plan for terminal and approach phases of flight operations	To facilitate PBN Regional implementation	Draft document		Working Group on Terminal and Approach Operations (WG-TAO)	States, ROs	Ongoing
3	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21	Carry out necessary actions in coordination with States to amend the relevant parts of the AFI/CNS/ATM Plan (Doc.003) to incorporate PBN issues.	Update of planning documentation	Update Doc 003		ICAO ROs	States	Ongoing
4	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21	Develop amendment proposals to assist APIRG in the incorporation of PBN elements in the AFI/CNS/ATM Plan (Doc.003)	Update of planning documentation	Amendment prosals		PBN Task Force		Ongoing
5	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21							

6A-2

No.	ICAO Strategic Objective	Associated GPI	Tasks	Objective	Deliverables	Target Date	To be delivered by	Supporting Parties	Status
6	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21						-	
7	A: Safety D: Efficiency C: Environment	GPI-5, GPI- 7, GPI-10, GPI-11, GPI-12, GPI-20, GPI-21						-	

***Members of Working Group for En-route***

<p><i>Algeria</i></p> <p><i>Benin</i></p> <p><i>Burundi</i></p> <p><i>Cape Verde</i></p> <p><i>DRC</i></p> <p><i>Egypt</i></p> <p><i>Lesotho</i></p> <p><i>Liberia</i></p> <p><i>Mauritius</i></p>	<p><i>South Africa</i></p> <p><i>Sudan</i></p> <p><i>Tanzania</i></p> <p><i>Uganda</i></p> <p><i>ASECNA (Rapporteur)</i></p> <p><i>IATA</i></p> <p><i>IFALPA</i></p> <p><i>IFATCA</i></p> <p><i>Roberts FIR</i></p>
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***Members of the Working Group for Terminal and Approach***

<p><i>Botswana</i></p> <p><i>Cameroon</i></p> <p><i>Chad</i></p> <p><i>Ethiopia</i></p> <p><i>Ghana</i></p> <p><i>Kenya</i></p> <p><i>Liberia</i></p> <p><i>Nigeria</i></p> <p><i>Rwanda</i></p>	<p><i>Senegal</i></p> <p><i>Seychelles (Rapporteur)</i></p> <p><i>Sierra Leone</i></p> <p><i>Tunisia</i></p> <p><i>ASECNA</i></p> <p><i>IATA</i></p> <p><i>IFALPA</i></p> <p><i>IFATCA</i></p> <p><i>Roberts FIR</i></p>
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Notes:

1. Focal points for delivery by the Member States and Organization of the WG-EO are:
2. Focal points for delivery by the Member States and Organization of the WG-TAO are:

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