



International Civil Aviation Organization
Western and Central African Office

**Second Meeting of the APIRG Performance Based Navigation/Global
Navigation Satellite System Task Force (PBN/GNSS TF/2)
(Dakar, Senegal, 13 - 15 June 2011)**

Agenda Item 6: Review of the Terms of Reference of the PBN/GNSS Task Force

TERMS OF REFERENCE OF THE PBN/GNSS TASK FORCE

(Presented by the Secretariat)

SUMMARY

This paper presents the Terms of Reference of the PBN/GNSS Task Force as established by the APIRG/17 meeting, and proposes review and modifications as necessary.

Action by the meeting is at **paragraph 3**.

REFERENCES

– APIRG/17 Report

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

1. INTRODUCTION

1.1 The APIRG/17 meeting, Ouagadougou, Burkina Faso 2-6 August 2010 agreed on the establishment of the PBN/GNSS Task Force, and accordingly formulated the following Conclusion:

Decision 17/49: Dissolution of the GNSS implementation and PBN Task Forces and establishment of the PBN/GNSS Task Force.

That, the GNSS Implementation and PBN Task Forces are dissolved and the PBN/GNSS Task Force is established with the terms of reference in Appendix 3.4F to this report.

2. DISCUSSION

2.1 Noting that this is the second meeting of the Task Force since its establishment by APIRG/17, the meeting may wish to review the terms of reference (TOR) of the PBN/GNSS Task Force. Furthermore, in light of the latest developments in the implementation of PBN and GNSS and associated fields, as well as discussions under various agenda items, the meeting may wish to consider revision of the TOR at **Appendix A** to this working paper, in order to reflect more accurately the work programme that needs to be carried by the Task Force.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information in this working paper;
- b) review and if necessary adjust the terms of reference at **Appendix A** to this working paper.

APPENDIX A
TERMS OF REFERENCE AND WORK PROGRAMME
FOR THE AFI PBN/GNSS TASK FORCE

1. TERMS OF REFERENCE

- a) Carry out specific studies in support of the implementation of Performance Based Navigation (PBN) in the AFI Region, according to the ICAO Strategic Objectives and Global Plan Initiative (GPI) 5 and related GPIs (GPIs 7, 10, 11, 12, 20, 21 including CNS related GPIs).
- b) Identify other issues/action items arising from the work of ICAO or for consideration by ICAO in order to facilitate regional and global harmonization of existing applications as well as future implementation of Performance Based Navigation operations.
- c) Determine and recommend, on the basis of the studies, the PBN strategy and Implementation Plan for the AFI Region, based on the ICAO PBN Implementation goals as reflected in assembly resolution 36-23.
- d) Assist States that may require support in the implementation of PBN.

2. WORK PROGRAMME

Activity/Task	Assigned person/organ	Target date
<ol style="list-style-type: none"> a) Study and assess the Regional RNAV and RNP requirements. b) Initially focus assistance to States that may require support on development of the State PBN implementation plans. c) Identify priority routes and terminal areas where RNAV and RNP should be implemented. d) Identify priority runways for Approach Procedures with Vertical Guidance (APV) to be implemented based on the ICAO RNP APCH navigation specification (APV). e) Develop an amendment proposal to the AFI Regional Supplementary Procedures concerning the implementation of PBN in the Region. f) Identify guidance material and training needs. g) Follow up on the developments in ICAO affecting the Global Plan and PBN in particular, in order to update the Regional plans accordingly. h) Coordinate with other ICAO Regions as necessary to address implementation interface issues. i) Undertake other functions relevant to implementation of PBN as assigned by APIRG. j) Develop and update (as necessary) the Regional PBN Implementation Strategy and Plan. k) Develop the PBN performance objectives and related action plans for en-route, terminal and approach phases of flight. l) Report to APIRG through its ATM and CNS Sub- groups. 		

3. THE TASK FORCE SHALL BE GUIDED BY THE FOLLOWING PRINCIPLES

1. The Task Force shall in its work be guided by the following principles:
 - a) Implementation of PBN shall follow the ICAO PBN goals and milestones.
 - b) Avoid undue equipage of multiple on board equipment and/or ground-based systems;
 - c) Avoid the need for multiple airworthiness and operational approvals for intra- and interregional operations;
 - d) Continue application of conventional air navigation procedures during the transition period, to guarantee the operations by users that are not RNAV- and/or RNP-equipped;
 - e) The first regional PBN Implementation Strategy and Plan should address the short term (2008-2012), medium term (2013-2016) and take into account long term global planning issues;
 - f) Cognizance that the primary objective of ICAO is that of ensuring the safe and efficient performance of the global Air Navigation System, ensure that pre- and post-implementation safety assessments will be conducted to ensure the application and maintenance of the established target levels of safety;
 - g) Take into account the introduction of new technologies, encourage implementation and development in GNSS;
 - h) Coordinated implementation with other relevant Regional Plans;
 - i) Apply ICAO guidance material and information as may be applicable to the Region to facilitate the implementation of PBN.

4. COMPOSITION OF THE TASK FORCE:

States: AFI States and States having territories in the AFI Region
(Meeting to decide on a concise list, preferably not exceeding 15).

*The Task Force comprises of the following expertise:
Regulatory authorities and ANSP professionals who are charged with the responsibilities relating to PBN implementation. These may be from various fields of air navigation services or flight operations;*

Professionals from Regulatory authorities who are charged with the responsibilities for operational approvals. These will include such officials as from air navigation service, flight operations and airworthiness fields.

Note: States are requested to include in their delegations: PBN experts, GNSS (CNS) experts, as well as official experts involved in the PBN approval process of aircraft operators.

Organizations: ASECNA, IATA, IFALPA, IFATCA and ESA. Additional representatives from International/Regional Organizations may be invited when required.
