

AFI PBN/GNSS Task Force (PBN/GNSS TF)
Proposed Revised Terms of Reference (TOR)

1. Terms of Reference

- a) Carry out specific studies in support of the implementation of Performance Based Navigation (PBN) in the AFI Region, as an enabler to specific ASBUs Modules: B0 APTA, B0 FRTO, B0 CCO, B0 CDO 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 Resolution A37-11 as amended, and other relevant resolutions.
- 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 PBN requirements. b) Follow up on the developments in ICAO affecting the Global Plan and PBN in particular, in order to update the Regional plans accordingly. c) Coordinate with other ICAO Regions as necessary to address implementation interface issues. d) Initially focus assistance to States that may require support on development of the State PBN implementation plans. e) Identify specific projects to advance implementation and participate in the implementation of the projects. The projects will include: <ul style="list-style-type: none"> – Identify priority routes and terminal areas where various PBN (RNAV and RNP) specifications should be implemented to achieve identified benefits. – Identify priority runways for Approach Procedures with Vertical Guidance (APV) to be implemented based on the ICAO RNP APCH navigation specification (APV). f) Develop an amendment proposal to the AFI Regional Supplementary Procedures concerning the implementation of PBN in the Region. g) Identify guidance material and training needs. h) Follow up on the developments in ICAO affecting the Global Plan and PBN in particular, in order to update the Regional plans accordingly. 		

Activity/Task	Assigned person/organ	Target date
<p>i) Coordinate with other ICAO Regions as necessary to address implementation interface issues.</p> <p>j) Undertake other functions relevant to implementation of PBN as assigned by APIRG.</p> <p>k) Develop and update (as necessary) the Regional PBN Implementation Strategy and Plan.</p> <p>l) Develop the PBN performance objectives and related action plans for en-route, terminal and approach phases of flight, in support of applicable ASBUs modules.</p> <p>m) Report to APIRG through its ATM/AIM/SAR and CNS Sub-groups.</p>		

3. Considerations

3.1 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

4.1 **States:** AFI States and States having territories in the AFI Region

4.1.1 The Task Force comprises 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.

- (a) Officials nominated to the Task Force should be involved in the implementation of PBN and have qualifications and experience in one or more of the following fields:
 - (i) Air Traffic Management
 - (ii) Aeronautical Information Management
 - (iii) Communication, navigation and surveillance
 - (iv) Flight operations and/or Operations approval of air operators
 - (v) PANS-OPS
- (b) A State/ANSP may nominate not more than three officials to the Task Force at least two of whom should be from different fields.
- (c) At least one of the nominated officials should be the **National PBN Programme Manager/Coordinator (NPPM/C)**.
- (d) A State may assign other officials to support the activities of the Task Force or to participate in its activities as Observers.

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.

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

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