



International Civil Aviation Organization

**The Eighth Meeting of the Performance Based Navigation Task Force
(PBN/TF/8)**

New Delhi, India, 12 – 13 May 2011

Agenda Item 6: Review of APANPIRG Subgroups and PBN TF Role

Future of the PBN TF

(Presented by Australia)

SUMMARY

This paper presents a review of the PBN Task Force and provides material for discussion of future directions for that group.

This paper relates to –

Strategic Objectives:

- A: *Safety – Enhance global civil aviation safety*
- C: *Environmental Protection and Sustainable Development of Air Transport – Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment*

Global Plan Initiatives:

- GPI-5 RNAV and RNP (Performance-based navigation)
- GPI-7 Dynamic and flexible ATS route management
- GPI-10 Terminal area design and management
- GPI-11 RNP and RNAV SIDs and STARs
- GPI-21 Navigation systems

1. **INTRODUCTION**

1.1 APANPIRG has agreed that the PBN Task Force can continue for the next 3-5 years with a Task List as published in Appendix F of the PBN/TF/7 report. As a separate exercise APANPIRG have initiated a contributory bodies structure review task force (ACBRTF) whose first meeting is being held 19-20th May. While it is not envisaged there should be major changes to the PBN TF role and tasks, the ACBRTF may recommend variations in the APANPIRG structure that could impact on the Task Force.

1.2 The ACBRTF review provides an opportunity for the PBN TF members to review the current direction of the Task Force and, if considered appropriate, make recommendations either to the ACBRTF or through the APANPIRG reporting processes.

2. **DISCUSSION**

2.1 APANPIRG has recognised that the PBN TF has achieved significant results in its period of operation. The recent ICAO changed ICAO Resolution on APVs that provides for straight in approaches is a direct example of efforts that originated with the group. However, it was also acknowledged that there continues to be significant work to be undertaken to complete the transition to a PBN based regional infrastructure with associated APV implementation and that the extent of this transition varies significantly between States. This variation is not limited to APAC

2.2 The role, tasks and meeting frequencies and schedules have been reviewed by the Task Force and APANPIRG on a number of occasions since the Task Force was established. Various options have been considered that range between integration of the work program into existing APANIRG subgroups (i.e. not having a separate Task Force) to what is currently agreed; that is a twice yearly meeting with one including a PBN Seminar. Where possible the meeting with the seminar would be held outside the ICAO Regional Office to maximise the training benefits. The reviews recognised that significant other PBN activities are taking place globally and in the region and that the Task Force work program and meeting schedules should be integrated with these where possible.

2.3 One area in which there has been little progress is the introduction of RNP based air-routes within the APAC region. The recent ADS-B SITF/10 meeting in Singapore noted some wonderful progress in the regional implementation of ADS-B with high levels of cooperation between adjoining States to create large expanses of contiguous ADS-B surveillance. These efforts should be coupled with PBN based air route reviews using either RNP 10 or RNP 4 or perhaps even the RNP 2 standard that is being developed by the PBN Study Group. Such routes would provide significant capacity and efficiency gains to airlines. While APANPIRG does have a Route Review Task Force, its area of interest is very limited.

2.4 The development of a revised PBN based air-route structure is not considered to be an appropriate task for the Regional PBNTF. It would be best achieved by the establishment of a full time project group within the Regional Office with States providing the appropriately qualified staff.

3. **ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Note the contents of this paper and the establishment of the ACBRTEF;
- b) Discuss the currently agreed roles, tasks and functions of the PBN Task Force;
- c) If appropriate, make recommendations as to the future of the Task Force and its integration into the APANPIRG structure; and
- d) Support the establishment of a PBN route review project within APANPIRG.

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