



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE
AND METEOROLOGY SUB-GROUP OF
APANPIRG (CNS/MET SG/14)**



Jakarta, Indonesia, 19 – 22 July 2010

Agenda Item 5: Navigation

REGIONAL SUPPORT STRATEGY FOR PBN IMPLEMENTATION

(Presented by IATA)

SUMMARY

This paper addresses the need for a Regional Support Strategy to provide direct support to States in an effort accelerate PBN implementation within the Asia Pacific Region.

This paper relates to

Strategic Objectives:

- A: Safety – Enhance global civil aviation safety
- D: Efficiency – Enhance the efficiency of aviation operations

Global Plan Initiatives:

- GPI-7 Dynamic and flexible ATS route management
- GPI-9 Situational awareness
- GPI-17 Implementation of data link applications
- GPI-22 Communication network infrastructure

1. Introduction

1.1 In early September 2007, APANPIRG Conclusion 18/52 established the Regional PBN Task Force to develop a PBN implementation plan for the Asia/Pacific region and address related regional PBN implementation issues. Accordingly, APANPIRG Conclusion 18/53 encouraged States to begin development of their State PBN implementation plans in harmony with the APAC Regional PBN Implementation Plan (Regional plan).

1.2 Later in September 2007, The Thirty-sixth Session of the ICAO Assembly held in Montreal adopted Resolution A36-23, resolving that States and PIRGs complete a regional PBN implementation plan by 31st Dec 2009 in order to achieve established timelines for en-route, terminal area and instrument approach implementation.

1.3 The PBN Task Force has delivered the Regional plan, provided guidance to States and promoted PBN through technical seminars.

1.4 State progress, however, has been slow. To date, only twenty-one of forty States in Asia Pacific have submitted plans to the ICAO Regional Office.

1.5 From a recent PBN State plan review conducted by the PBN TF, the indications are that the APAC region will not meet established ICAO PBN implementation timeliness. Furthermore it is evident many States need support at the working level in order to successfully complete the planning phase and move forward with implementation.

2. Discussion

2.1 Prompt action by the Region and by States is required to accelerate PBN planning, development and implementation to a pace of at least achieving closure on the ICAO Resolution implementation targets.

2.2 A comprehensive Regional Support Strategy is required and should include (but not be limited to) the following objectives:

- Establishing a regional working-level team or forum to identify implementation needs and to direct and/or organize the appropriate resources that will deliver PBN solutions to States;
- Formulation of cooperative arrangements with volunteering States that are further advanced in PBN to leverage knowledge and experience already gained and to assist developing States;
- Development of additional support mechanisms that create skills and capabilities within States to implement and to sustain PBN operations; and
- Further promotion of PBN to decision makers within States to create the political will to invest and devote the necessary resources for PBN implementation.

2.3 The creation of PBN Regional Development and Implementation (REDI) Teams might be considered to help fulfill several of these objectives and engage at a working level to coordinate and provide assistance to States in areas such as:

- completion and improvement of PBN implementation plans;
- conducting safety assessments;
- collection of required data and practices to maintain data integrity;
- guidance to establish the regulatory framework, approvals process and other mechanisms necessary for implementation and sustainment of PBN capabilities.

2.4 States that are further advanced in PBN implementation would be encouraged to participate on the PBN REDI Teams to assist developing States by bi-lateral arrangement and/or through collaborative Regional activities such as information seminars, workshops and on-site State support visits.

2.5 IATA volunteers to work as an industry partner to provide support to this effort

2.6 The Regional Support Strategy also needs to address providing guidance to States in PBN en-route implementation, airspace route design and harmonization across FIRs. The Southeast Asia Route Review Task Force is currently responsible for improving en-route airspace in the WPAC/SCS area south of the Fukuoka FIR, considering AR 9 traffic flow, and is the only group tasked specifically to consider PBN en-route requirements.

2.7 An effective Regional Support Strategy will also need continued coordination, progress monitoring and reporting. Given the status of implementation progress within the Region, promotion of PBN is also necessary to provide awareness and education to motivate States to invest and implement. The PBN TF and technical seminars have served as excellent forums to facilitate harmonization of State plans. This will likely remain an ongoing requirement at least for the short term.

3. **Action required by the Meeting**

3.1 The meeting is invited to:

- a) Consider and provide comment on the recommendation to develop a regional support strategy to assist States and help accelerate PBN implementation throughout the Region;
- b) Consider the formation of PBN REDI teams to facilitate Regional support efforts and provide direct assistance to States;
- c) Consider the role of volunteering States' participation on the PBN REDI teams and assisting with Regional implementation and harmonization;
- d) Consider identifying the appropriate group(s) to review PBN en-route implementation requirements with regard to airspace route design and harmonization across FIR boundaries, adjusting work plans accordingly; and
- e) Consider the role of the PBN Task Force to coordinate, report progress, and promote PBN development.

3.2 States are requested to:

- a) States that are further advanced in PBN implementation are encouraged to contribute to regional efforts to accelerate implementation; and
- b) States that are still developing PBN plans and capabilities are encouraged to identify areas of implementation where additional support and guidance is needed.
