Designation of PBN Focal Point

**Reference:** APANPIRG Conclusion 18/55 – Designation of Contact Person for PBN Implementation

“That, by 31 December 2007, States designate a focal contact person responsible for performance based navigation implementation and provide details of the contact person to ICAO Asia/Pacific Regional Office accordingly.”

**Status:** Nominated

**Focal Point:** Michael Shee  
Air Traffic Control Manager (Air Traffic Management)  
Civil Aviation Authority of Singapore,  
Singapore Changi Airport, P.O Box 1 Singapore 918141  
Email: michael_shee@caas.gov.sg  
Tel: (65) 65412454  
Fax: (65) 65456516

State PBN Implementation Plan

**Reference:** APANPIRG Conclusion 18/53 – Development of State PBN Implementation Plans

“That, the Regional Office encourages States to begin development of their State PBN implementation plans in harmony with the development of the Asia/Pacific Regional PBN implementation plan being coordinated by the Asia/Pacific PBN Task Force for submission to APANPIRG/19.”

**Status:** Adopted by Civil Aviation Authority of Singapore and to be reviewed by ICAO APAC PBN TF

Approach Operations

**Reference:** ICAO Assembly Resolution A36-23

“States and planning and implementation regional groups (PIRGs) complete a PBN implementation plan by 2009 to achieve: implementation of approach procedures with vertical guidance (APV) (Baro-VNAV and/or augmented GNSS) for all instrument runway ends, either as the primary approach or as back up for precision approaches by 2016 with intermediate milestones as follows: 30 percent by 2010, 70 percent by 2014.”

**Status:**

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<th>On Progress</th>
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Arrival and Departure Operations

**Reference:** 1) ICAO Assembly Resolution A36-23

“States and planning and implementation regional groups (PIRGs) complete a PBN implementation plan by 2009 to achieve: implementation of RNAV and RNP operations (where required) for en route and terminal areas according to established timelines and intermediate milestones.”

2) Interim Asia/Pacific PBN Regional Implementation Plan

“Short-term Implementation Targets: RNAV 1 SID/STAR for 50% of international airports by 2010 and 75% by 2012 and priority should be given to airports with RNP Approach.”

“Medium-term Implementation Targets: RNAV 1 or RNP 1 SID/STAR for 100% of international airports by 2016. RNAV 1 or RNP 1 SID/STAR for 70% of busy domestic airports where there are operational benefits.”

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