



Performance Based Navigation Workshop

Aug. 27th – 29th, 2014

Lima, Perú

Agenda





Wednesday 27th Aug, 2014

- 09H00 - 9H30** Welcome & Opening speeches
- 09H30 - 10H30** ICAO PBN Roadmap and Implementation for the South America Region
- 10H30 - 11H00** Airbus support to PBN Roadmap implementation / deployment
- 11H00 - 11H30** **Break**
- 11H30 - 13H00** GNSS concept and GNSS based operations
- >> GNSS signal accuracy and integrity
 - >> Augmentation Systems (ABAS, SBAS, GBAS)
 - >> Navigation sensors and position computation
 - >> Approach types and aircraft capabilities
- 13H00 - 14H00** **Lunch**
- 14H00 - 15H30** PBN regulation and approval process overview
- >> ICAO PBN Manual / EASA/ FAA Regulation Differences
 - >> The role of the operational approval process
 - >> Examples of RNP AR procedures approved under different regulations
- 15H30 - 16H00** **Break**
- 16H00 - 18H00** PBN from the ATC perspective
- >> Merging PBN and conventional traffic
 - >> ATC training requirements for PBN operations
 - >> Flight planning requirements
- End of Day 1**



Thursday 28th Aug, 2014

09H00 - 10H00

PBN Implementation
>> Lessons learnt and best practices
>> Stakeholders' responsibilities
>> Typical PBN project methodology

10H45 - 11H00

Data quality
>> ICAO requirements
>> Aeronautical, Terrain and Obstacle Data
>> Navigation Database coding

11H00 - 11H30

Break

11H30 - 13H00

RNP Procedure design, validation and approval
>> Procedure design criteria
>> Procedure testing and validation
>> Design challenges, and Terrain Obstacle Data Requirements
>> Charting

13H00 - 14H00

Lunch

14H00 - 15H00

Work Group Exercise – Design RNP Procedure

15H00 - 16H00

Work Group Exercise Presentations and Discussions

16H00 - 16H30

Break

16H30 - 18H00

PBN from the Pilot's perspective
>> Safety Benefits
>> Navigation alerts
>> Lateral and Vertical Monitoring
>> Aircraft function
>> Training requirements for PBN Operations



Friday 29th Aug, 2014

- 09H00 - 10H00** Airbus Aircraft capabilities for PBN Operations
>> Certification baseline
>> Aircraft systems requirements
- 10H00 - 11H00** FOSA – Flight Operational Safety Assessment
>> What is it and when is it applicable
>> Position of FAA and EASA
>> Role of the operators and authorities in the FOSA
- 11H00 - 11H30** *Break*
- 11H30 - 13H00** Group Discussion – Identify elements for a FOSA
- 13H00 - 14H00** *Lunch*
- 14H00 - 15H00** PBN Operations Approval Process
>> Procedure evaluation and validation
>> Applicability of FOSA
>> Training requirements
>> Navigation Database Validation
>> RNP AR Monitoring
>> Approval of Foreign Operators
- 16H00 - 16H30** *Break*
- 16H30 - 17H30** Workshop Closing Remarks and Conclusions