

ATTACHMENT A**SECOND PBN IMPLEMENTATION WORKSHOP IN TMA AND
PANS-OPS RELATED ACTIVITIES (PBN/IMP/2-PANS-OPS)**

Lima, Peru, 12 to 16 September, 2016

DRAFT AGENDA**Agenda Item 1: Second PBN Implementation Workshop in TMA
PBN implementation progress in selected TMA or selected airspaces in
implementation phase**

Under this Agenda Item, only main Terminal Areas in implementation phase and those with defined implementation dates have been considered for analysis. States with PBN implementation date scheduled until first half 2017, are listed in the table below:

Second PBN Implementation Workshop in TMA and PANS-OPS related activities (PBN/IMP/2-PANS-OPS) - 12 to 16 September 2016	
TMA	IMPLEMENTATION
Brazil (PBN South)	22 June 2017
Chile (Santiago - Pampa Sur)	8 December 2016
Paraguay (Asuncion)	22 June 2017

After presentations made by each State, a time for questions, comments and proposals by participants will be foreseen.

Agenda Item 2: Monitoring of PBN post-implementation in TMA

Under this Agenda Item, States having already started the monitoring of PBN post-implementation in TMA will be able to present preliminary results of such assessment.

**Agenda Item 3: PANS-OPS activities
Report by the Flight Procedures Panel (IFPP) member**

Under this Agenda Item, the Meeting will be informed about the progress made within the frame of the Flight Procedures Panel (IFPP), including among other issues:

- SID RNP AR procedures and procedures design criteria;
- RNP AR maintenance manual;
- VSS restrictions.

Agenda Item 4: Visual RNAV procedures

Under this Agenda Item, the Meeting will have the opportunity to analyse issues related to visual RNAV definition; RNAV procedure application in VFR thresholds and RNAV GNSS approaches to small visual flight runways.

Agenda Item 5: Interpretation of some navigation requirements

Under this Agenda Item, PANS-OPS designers will have the opportunity to clarify any doubts concerning application of RNAV 1 and RNP 1 specifications in SID/STAR and RNAV/ILS approaches; application of advanced RNP; application of ATC gradient; SID/STAR identification transition concept; PBN public instrumental procedures; other approval criteria; the operational implications of applying climb gradients greater than 2,5% in missed approach and other questions concerning interpretation of Doc 8168 raised by workshop participants.

Agenda Item 6: Publication of charts and new nomenclature (uses and harmonization)

Issues related to publications will be dealt with under this Item, including among others, those related to minimum altitudes in SID in order to ensure compliance with minimum climb gradient; leveled segments in the intermediate approach of precision approach procedures; SID RNAV and conventional SID, as well as STAR RNAV and conventional STAR with similar paths in the same chart; elimination of the publication of procedures in paper; standardization and publication of code tables; and application of the new procedures nomenclature (ICAO Circular 336).

Agenda Item 7: Software and e-TOD

Under this Agenda Item, the Meeting will be able to analyse and assess the development of software achieved by various States such as Brazil, Colombia and Peru. Likewise, digital terrain and obstacle data requirements for the use of procedure design tools will be analysed.

Agenda Item 8: Application of CCO and CDO techniques

Under this Item the Meeting will have the opportunity to assess CCO and CDO techniques in airports with low air traffic volume.

Agenda Item 9: Validation of procedures

In addressing this issue, participants will discuss among others, on the need for RNAV procedure validation on flight and procedure validation on ground.

Agenda Item 10: Other business

Under this Item, the Meeting will review related subjects not discussed in the afore indicated Agenda items.

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TENTATIVE WORK PROGRAMME

(12 to 16 September, 2016)

HOUR	Monday 12 September	HOUR	Tuesday 13 September	Wednesday 14 September	Thursday 15 September	Friday 16 September
0830 0900	Registry of participants	0830 0930	Agenda Item 3: IFPP report	Agenda Item 6 (cont.)	Agenda Item 9: Validation of procedures	Conclusions and workshop assessment
0900 0915	Opening ceremony	0930 1000				
0915 1000	Overview of Workshop. Updated information on inter-regional airspace optimization progress					
1000 1015	<i>Coffee break</i>	1000 1015	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
1015 1200	Agenda Item 1: BRAZIL (PBN SOUTH)	1015 1100	Agenda Item 4: Visual RNAV procedures	Agenda Item 7: Software and e-TOD	Agenda Item (cont.)	Next steps
		1100 1200				
1200 1300	<i>Lunch</i>	1200 1300	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	Closing ceremony

HOUR	Monday 12 September	HOUR	Tuesday 13 September	Wednesday 14 September	Thursday 15 September	Friday 16 September
1300 1400	CHILE (TMA SANTIAGO, PAMPA SUR)	1300 1400	Agenda Item 5: Interpretation of navigation requirements	Agenda Item 7 (cont.)	Agenda Item 10: Other business	
1400 1430	PARAGUAY (TMA ASUNCION)	1400 1430	Agenda Item 5 (cont.)	Agenda Item 8: Application of CCO and CCD techniques		
1430 1500	<i>Coffee break</i>	1430 1500	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	
1500 1600	Agenda Item 2: Monitoring of PBN post- implementation in TMA Consultations, coments, proposals	1500 1600	Agenda Item 6: Publication of charts and new nomenclature	Agenda Item 8 (cont.)	Consultations, comments, proposals	