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منظمة الطيران  
المدنى الدولى

国际民用  
航空组织

Ref.: AN 6/28.3-13/337

23 December 2013

**Subject: PBN Implementation Workshop/PBN Go-Team  
(Tunis, Tunisia, 24-28 February 2014)**

**Action required: Reply not later than 30 January 2014**

Sir,

I have the honour to invite your Administration/Organization to attend the Workshop on the use of Performance Based Navigation (PBN) in airspace design to be held in **Tunis, Tunisia, 24-28 February 2014**. The Workshop is organised by ICAO (EUR and MID) with the support of EUROCONTROL and is generously hosted by the Tunisian Civil Aviation Authority. The venue will be **Hotel Carthage Thalasso Resort – Gammarth – Tunis**. The details related to hotel reservation are at **Attachment A**.

The audience of the workshop should include airspace planners, procedure designers, air traffic controllers, pilots, Communication, Navigation and Surveillance (CNS) engineers and regulatory authorities.

The event will include a PBN Go-Team (study case) for Algeria, Morocco and Tunisia conducted by Experts from ICAO, EUROCONTROL and industry. The outcome of the PBN Go-Team work will be presented during the last two days of the event as reflected in the Provisional Agenda at **Attachment B**. Although, the study case is related to Algeria, Morocco and Tunisia, I strongly encourage the attendance of all participants to the whole event.

Considering the limited number of seats, I would appreciate if you could confirm not later than **30 January 2014** the participation of your Administration/Organization to the Workshop by exchange of correspondence with the ICAO MID Office at the following e-mail address ([icaomid@icao.int](mailto:icaomid@icao.int)) with copy to [ekhoury@icao.int](mailto:ekhoury@icao.int) giving the name(s) of your delegate(s), using the Nomination Form at **Attachment C**. I would like to draw your attention that nominations will be accepted on the basis of availability “first-come, first serve”.

Accept, Sir, the assurances of my highest consideration.

for/ Mohamed R. M. Khonji  
Regional Director, Cairo

## Attachments

**Hotel Reservation**

**Hotel Carthage Thalasso Resort – Gammarth – Tunis**

Website: [www.carthagethalassoressort.com](http://www.carthagethalassoressort.com)

email [reservation@carthagethalassoressort.com](mailto:reservation@carthagethalassoressort.com)

Tel: +216 71 910 111 / Fax: + 216 71 913 140

All reservations should be made through Tunisia DGAC focal point:

Mr. Somrani Chahine

Tel: +216 71 905 906

Mobile: +216 21 633 620

Rate is 55€per night (half board)

**PBN Implementation Workshop  
Tunisia (24-28 February 2014)**

**Provisional Agenda**

<b>24 February</b>		
1000-1030	Opening/Welcome	ICAO/Tunisia
	ICAO PBN objectives and plans	ICAO
1030-1050	PBN workshop introduction	M.Lissone
1050-1230	What is Area Navigation?	C.Eliot
1230-1330	Lunch	
1330-1500	Introduction to PBN	M.Lissone
1500-1520	Coffee	
1520-1615	Overview of PBN processes	C.Eliot
1615-1700	PBN implementation guidance	M.Lissone
<b>25 February</b>		
0900-1010	What is an Airspace concept	M/Lissone
1010-1030	Case study	
1030-1040	Coffee	
1040-1115	Workshop introduction	C.Eliot
1115-1200	Case study	M.Lissone
1200-1300	Lunch	
1300-1345	Activity 1,2 and 3	C.Eliot
1345-1500	Group work	
1500-1515	Coffee	
1515-1545	Group presentation	
1545-1615	Reference scenario	M.Lissone
1615-1700	Safety criteria, enablers, constraints and assumptions	C.Eliot
<b>26 February</b>		
0900-1000	Design airspace(routes and holds)	M.Lissone
1000-1045	Group work(initial design)	
1045-1100	Coffee	
1100-1215	Group work(initial design)	
1215-1315	Lunch	
1315-1415	Group work(initial design)	
1415-1515	Nav specs and procedure design	C.Eliot
1515-1530	Coffee	
1530-1600	Design airspace volumes	M.Lissone
1600-1700	Group work	
<b>27 February</b>		
0900-1000	Validation and implementation	M.Lissone/C.Eliot
1000-1030	Group work.Final adjustments	
1030-1045	Coffee	
1045-1130	Group final presentation	
1130-1215	Wrap-up of the workshop	
1215-1315	Lunch	
1315-1500	Presentations by Tunisia, Algeria, Morocco	States
1500-1515	Coffee	
1530-1630	PBN Ops Approval – Navigation Database management	Sorin-Dan Onitiu

28 February		
0900-1000	PBN Airspace & Procedures – design/database/charting aspects	Sorin-Dan Onitiu
0900-0930	Presentations on practical examples of implementation	Frank Lumnitzer
0930-1030	PBN ATCO training issues	ENAC
1030-1045	Coffee	
1045-1130	PBN Go Team briefing	E.Nahmadov
1130-1200	Wrap-up and Closing	ICAO

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