

International Civil Aviation Organization Organisation de l'aviation civile internationale

Organizacion de Aviación Civil Internacional Международная организация гражданской авиации

منظمة الطيران المدنى الدولي 国际民用航空组织

File Ref.: ME 3/2.4-14/038 3 February 2014

Subject: First Meeting of the Performance Based Navigation Sub-Group

(PBN SG/1)

(Cairo, Egypt, 1- 3 April 2014)

Action required: Reply not later than 10 March 2014

Sir.

I have the honour to invite your Administration/Organization to participate in the First meeting of the Performance Based Navigation Sub-Group (PBN SG/1) which will be convened at the ICAO MID Regional Office, Cairo, Egypt, from 1 to 3 April 2014.

The Provisional Agenda, Explanatory Notes of the meeting and the Terms of Reference of the PBN Sub-Group are at **Attachments A, B and C**, respectively. Your comments on the attached provisional Agenda, including any amendment(s) you may wish to suggest, would be appreciated.

The Bulletin describing administrative arrangements for the meeting and other useful information for participants, including the Hotel List in Cairo is at **Attachment D**.

I would like to bring to your attention that the PBN SG/1 meeting will review the status of PBN Implementation in the MID Region. The meeting will also agree on the area of applicability and performance targets associated with the Aviation System Block Upgrades (ASBUs) Block 0 Modules relevant to PBN and GNSS, contained in the Draft MID Region Air Navigation Strategy, which was endorsed by MIDANPIRG/14. In order to foster the PBN implementation in the Region, the meeting is expected also to agree on the scope/work programme of the MID PBN Support Team (MPST) and the procedures to conduct the MPST Visits.

It is to be highlighted that the meeting will initiate the discussions related to the establishment of the MID Flight Procedure Programme (FPP) including the technical, funding and legal issues pertaining to the conduct of an associated study.

In view of the above, your Administration/Organization is encouraged to participate actively in the work of the meeting by submitting working and/or information papers covering subjects contained in the provisional agenda. I would be grateful to receive your papers in an electronic format prior to 10 March 2014, in order to allow time for processing and advance posting on the web.

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E-mail: icaomid@cairo.icao.int

http://www.icao.int/mid

I would appreciate if you could, as soon as possible, preferably not later than 15 March 2014 confirm the participation of your Administration/Organization by submitting the Nomination Form at Attachment E to the ICAO MID Regional Office at the following email address (icaomid@icao.int) with a copy to (ekhoury@icao.int). The attendance of Experts from the ATM, CNS and Procedure Design fields able to effectively contribute to the work of the meeting, is strongly encouraged.

Accept, Sir, the assurances of my highest consideration.

for/

Mohamed R.M. Khonji ICAO Regional Director, Cairo

Attachments

FIRST MEETING OF THE PERFORMANCE BASED NAVIGATION SUB-GROUP

(*PBN SG/1*)

(Cairo, Egypt, 1 –3 April 2014)

PROVISIONAL AGENDA

Agenda Item 1: Adoption of the Provisional Agenda and election of Chairpersons

Agenda Item 2: Follow-up on MIDANPIRG/14 Conclusions and Decisions relevant to PBN and

GNSS

Agenda Item 3: Global and Regional Developments related to PBN and GNSS

Agenda Item 4: PBN Implementation in the MID Region

Agenda Item 5: GNSS Implementation in the MID Region

Agenda Item 6: Future Work Programme

Agenda Item 7: Any other business

FIRST MEETING OF THE PERFORMANCE BASED NAVIGATION SUB-GROUP

(PBN SG/1)

(Cairo, Egypt, 1 –3 April 2014)

EXPLANATORY NOTES

Agenda Item 1: Adoption of the provisional agenda and election of Chairpersons

The meeting will review and adopt, as appropriate the agenda for the PBN SG/1 meeting. The meeting will also elect a Chairperson and a Vice-chairperson for the PBN Sub-Group..

Agenda Item 2: Follow-up on MIDANPIRG/14 Conclusions and Decisions relevant to PBN and GNSS

The meeting will review MIDANPIRG/14 Conclusions and Decisions relevant to PBN and GNSS and note the follow-up actions taken by concerned parties.

Agenda Item 3: Global and Regional Developments related to PBN and GNSS

The meeting will be updated on the Global and Regional developments related to PBN and GNSS.

Agenda Item 4: PBN Implementation in the MID Region

The meeting will review and update the status of PBN implementation in the MID Region. Furthermore, the meeting will agree on the area of applicability and performance targets of the Aviation System Block Upgrades (ASBUs) Block 0 Modules relevant to PBN, contained in the MID Region Air Navigation Strategy, which was endorsed by MIDANPIRG/14. Accordingly, the meeting will review and update the MID Region PBN implementation Plan. Moreover, and in order to foster the PBN implementation in the Region, the meeting will agree on the scope/work programme of the MID PBN Support Team (MPST) and the procedures to conduct the MPST Visits.

The meeting will also initiate the discussions related to the establishment of the MID Flight Procedure Programme (FPP) including the technical, funding and legal issues pertaining to the conduct of an associated study.

Agenda Item 5: GNSS Implementation in the MID Region

The meeting will review and update, as deemed necessary, the MID Region GNSS implementation Strategy, discuss issues related to GNSS implementation in the MID Region and propose actions to foster the implementation.

Agenda Item 6: Future Work Programme

The meeting will review and update, as deemed necessary, the Terms of Reference of the PBN Sub-Group. The meeting will agree on the dates and venue, of its next meeting.

Agenda Item 7: Any other business

Any other matters not covered by the agenda, might be addressed under this agenda item.

PERFORMANCE BASED NAVIGATION SUB-GROUP (PBN SG)

1. Terms of Reference

1.1 The terms of reference of the PBN Sub-Group are:

- a) ensure that the implementation of PBN in the MID Region is coherent and compatible with developments in adjacent regions, and is in line with the Global Air Navigation Plan (GANP), the Aviation System Block Upgrades (ASBU) methodology and the MID Region Air Navigation Strategy;
- b) monitor the status of implementation of the MID Region PBN-related ASBU Modules included in the MID Region Air Navigation Strategy as well as other required PBN supporting infrastructure, identify the associated difficulties and deficiencies and provide progress reports, as required;
- keep under review the MID Region PBN performance objectives/priorities, develop action plans to achieve the agreed performance targets and propose changes to the MID Region PBN plans/priorities, through the ANSIG, as appropriate;
- d) seek to achieve common understanding and support from all stakeholders involved in or affected by the PBN and GNSS developments/activities in the MID Region;
- e) provide a platform for harmonization of developments and deployments of PBN concentrating on PBN for approach and terminal areas;
- f) monitor and review the latest developments in the area of PBN and procedure design, provide expert inputs for PBN-related issues; and propose solutions for meeting ATM operational requirements;
- g) monitor and review the latest GNSS developments and activities;
- h) carry out necessary studies for the establishment of a MID Flight Procedure Programme Office;
- i) provide regular progress reports to the ANSIG and MIDANPIRG concerning its work programme; and
- j) review periodically its Terms of Reference and propose amendments, as necessary.

1.2 In order to meet the Terms of Reference, the PBN Sub-Group shall:

 a) provide necessary assistance and guidance to States to ensure harmonization and interoperability in line with the GANP, the MID ANP and ASBU methodology;

- b) provide necessary inputs to the MID Air Navigation Strategy through the monitoring of the agreed Key Performance Indicators related to PBN;
- c) identify and review those specific deficiencies and problems that constitute major obstacles to the provision of efficient PBN implementation, and recommend necessary remedial actions;
- d) develop and lead the work programme of the MID PBN Support Team (MPST) including the conduct of MPST visits;
- e) assist States that may require support in the implementation of PBN, through MPST support teams;
- f) conduct study related to the establishment of the MID Flight Procedure Programme office;
- g) monitor the progress of studies, projects, trials and demonstrations by the MID Region States, and other ICAO Regions in PBN and GNSS;
- h) study requirements for GNSS Augmentation Systems in the MID Region, and develop implementation plans; and
- foster the implementation of PBN through proper training and qualification of the procedure design personnel and all other personnel involved in PBN implementation.

2. COMPOSITION

- **2.1** The Sub-Group is composed of:
 - a) MIDANPIRG Member States;
 - b) concerned International and Regional Organizations as observers; and
 - c) other representatives from provider States and Industry may be invited on ad hoc basis, as observers, when required.

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First Meeting of the Performance Based Navigation Sub-Group

(PBN SG/1) (Cairo, Egypt, 1-3 April 2014)

BULLETIN

1. LOCATION

1.1 The First Meeting of the Performance Based Navigation Sub-Group (PBN SG/1) will be held at the Meeting Room of the ICAO Middle East Regional Office in Cairo, Egypt, 1-3 April 2014.

2. SCHEDULE OF THE MEETING

- 2.1 The opening session of the Meeting will be held at 0900 hours on Tuesday 1 April 2014.
- 2.2 The schedule and order of the day will be announced at the opening session.
- 2.3 The Meeting will be conducted in English.

3. REGISTRATION OF PARTICIPANTS

3.1 Participants are requested to register, at the Registration Desk located at the entrance of the Meeting Hall, between 0830 and 0900 hours on the opening day of the Meeting. Participants are also requested to wear the identification badge, which will be issued to them when inside the meeting room.

4. ICAO PERSONNEL CONCERNED WITH THE MEETING

- 4.1 Mr. Elie Elkhoury, RO/ATM/SAR and Mr. Raza Gulam, RO/CNS will act as secretaries of the Meeting.
- 4.2 Mrs. T. Qatami (Administrative Officer) and Mrs. M. Hindi (Finance and Administrative Assistant) from the ICAO Cairo Office will handle the administrative arrangements.
- 4.3 Mrs. Sonia El Sakka (ICT) will handle the Information Communication Technology matters.
- 4.4 Mrs. Manal Wissa will provide the secretarial/technical assistance.

5. DOCUMENTATION

5.1 Please note that no documentation will be available in hard copy format. However, working and information papers related to the meeting will be available on the ICAO MID Regional Office website at least 15 days prior to the meeting. Accordingly, participants are requested to download the documentation from the web and bring along their own hard copies or their laptops to the meeting, as appropriate.

6. ICAO MIDDLE EAST REGIONAL OFFICE

MID OFFICE LOCATION

6.1 The ICAO Middle East Regional Office is located at the Egyptian Ministry of Civil Aviation Complex, Airport Road, Cairo. The telephone numbers are: (202) 2267 4841/5/6, the fax number is: (202) 2267 4843, the e-mail address is: icaomid@icao.int and website is http://icao.int/mid.

WORKING HOURS

- 6.2 The working hours of the ICAO Regional Office are 0730-1430.
- 6.3 The list of Officers in the ICAO Regional Office is given in Page 4.

7. ICAO SALEABLE PUBLICATIONS

7.1 ICAO publications, if required by participants, may be purchased from the ICAO HQ.

8. HOTEL RESERVATIONS/RETURN AIRLINE BOOKINGS

8.1 Participants are requested to ensure that their return airline booking is confirmed, soon after their arrival in Cairo, through their respective hotel reception desk, as the MID Regional Office is unable to provide this service due to staffing limitations. A list of hotels with ICAO corporate rates is attached for your convenience with telephone/fax numbers and addresses. Participants do have to arrange own hotel reservation.

9. TRANSPORTATION

- 9.1 Although we would very much wish to welcome you at Cairo Airport, it will not be possible to meet participants on arrival and provide transportation. Participants are, therefore, requested to make their own arrangements for transportation from the airport to the city and return.
- 9.2 Airport taxi services (Misr Limousine) operate private limousine services from the airport to Cairo city, at L.E. 90.00 approx. per vehicle. Public taxi service is also available, at a cost of approximately L.E. 60.00 (negotiable), at the taxi stand at the airport.

9.3 Free Bus Transportation

9.3.1 Free bus services will only be provided to and from the venue of the Meeting according to the following:

Itinerary to the venue of the Meeting

Departure from Intercontinental, City Stars at 07:30

Departure from Beirut Hotel at 08:00

Departure from Le Meridien Heliopolis at 08:15

Departure from Fairmont Hotel Heliopolis (ex-Sheraton) at 08:20

Departure from Radisson Hotel at 8:25

Departure from Iberotel Le Passage (ex Movenpick) and Novotel Hotel at Heliopolis at 08:30

Note: Due to hotel rules, participants have to wait for the bus outside the premises of the hotel.

Itinerary from the venue of the Meeting

Buses will be available after the close of the daily sessions. Departures are tentatively scheduled at 14:30

- N.B. i Bus will be identified by the ICAO sign.
 - ii Due to security measures participants are requested to be available outside the main entrance of the premises in which the Regional office is located. Punctuality will be much appreciated since departure times are fixed.

10. Insurance

10.1 Participants are advised to have insurance coverage for any unexpected contingency including transport hazards (taxi, buses, rented cars etc.) and Medical Coverage.

11. SOME USEFUL TRAVEL INFORMATION

PASSPORT

11.1 All foreign nationals entering Egypt must possess valid passports or other valid documents for travel.

VISA

11.2 It is mandatory that all participants obtain official visas from the Egyptian Embassy or Consulate in their country prior to their departure for Egypt.

CUSTOMS

11.3 The following items may be brought into Egypt duty free:

Personal effects, such as necessary clothing 200 cigarettes or 250 gr. of cigars or tobacco 1 liter alcoholic beverages
Perfume for personal use

Additional quantities of the above items may also be purchased from Cairo Airport duty free shop after clearing customs.

WEATHER CONDITIONS

11.4 The main daily maximum and minimum temperatures for the month of April 26°C and 20°C.

12. CURRENCY, CREDIT CARDS AND BANKING SERVICES

- 12.1 The unit of currency in Egypt is the Egyptian Pound (L.E.), which in denominations of 100, 50, 20, 10, 5 and 1 L.E. 1 pound comprises 100 piasters. Current UN rate of exchange for US \$ is approx. US \$ 1 = L.E. 6.95 for February 2014.
- 12.2 International Credit Cards, such as American Express, Diners Club, Visa, Master Charge, Carte Blanche, etc. are usually accepted at most hotels, department stores and restaurants.
- 12.3 All commercial banks exchange major foreign currencies and are open 0830-1400 hours Sundays through Thursdays.

13. OTHER USEFUL INFORMATION

SHOPPING

13.1 Be prepared to bargain in small shops, sidewalk vendors etc. In large stores, however, the prices are fixed.

TAP WATER

13.2 It is recommended that all visitors drink only bottled water/beverages.

TELEPHONE CARDS

13.3 Cards are available in the Egyptian Market for international calls.

14. OTHER ASSISTANCE

14.1 The ICAO Regional Office will be glad to assist participants with any advice they may require.

LIST OF OFFICERS IN THE ICAO MID REGIONAL OFFICE, CAIRO

NAME	TITLE		
MR. M.R. KHONJI	ICAO REGIONAL DIRECTOR (ICAORD)		
MR. M. SMAOUI	DEPUTY REGIONAL DIRECTOR (DEPRD)		
	ADMINISTRATION		
MRS. T. QATAMI	ADMINISTRATIVE OFFICER (AO)		
	TECHNICAL OFFICERS		
MR. R. GULAM	REGIONAL OFFICER, COMMUNICATIONS, NAVIGATION AND SURVEILLANCE (CNS)		
MR. A. RAMLAWI	REGIONAL OFFICER, AERODROMES AND GROUND AIDS (AGA)		
MR. M. ALBLOWI	REGIONAL OFFICER, FLIGHT SAFETY (FLS)		
MR. E. ELKHOURY	REGIONAL OFFICER, AIR TRAFFIC MANAGEMENT/SEARCH AND RESCUE (ATM/SAR)		
MR. D. STERLAND	REGIONAL OFFICER, AVIATION SECURITY AND FACILITATION		

LIST OF HOTELS WITH ICAO CORPORATE RATES

PARTICIPANTS ARE REQUIRED TO MAKE THEIR OWN RESERVATION(S). (ICAO MID REGIONAL OFFICE DOES NOT TAKE ANY RESPONSIBILITY FOR HOTEL RESERVATION OR CONFLICT (S) BETWEEN PARTICIPANTS AND THE HOTEL)

dated 30 January 2014

HOTEL	RATE US \$	ADDRESS	TELEFAX NO.	E-MAIL	TELEPHONE NUMBER(s)	TRANSPORTATION BY TAXI TO MID OFFICE (fare)
Hotel Heliopolis (Fairmont)	Heliopolis Room \$115.00S-\$130.00D Fairmont Room \$170.00S-\$185.00D Delux Room \$210.00S-\$225.00D Above Rates include -Breakfast basis -Service Charges & Taxes (Special rates for group more than 9 persons-deal directly with the hotel)	Orouba Street Heliopolis	(202) 22677600 Attention Reservation Department	hli.reservations@fairmont.com Ce hli.sales@fairmont.com	(202) 22677730/40	40
Meridien (Heliopolis)	Superior Room US\$105.00 US\$120.00 D Deluxe Room US\$125.00 S US\$140.00 D Royal Club US\$145.00 S US\$160.00D Above rates include: -Buffet Breakfast -Service Charges & Taxes */**/X	51, El Orouba Street Heliopolis	(202) 24172492 Attention: Reservation Depart	Reservations.heliopolis@lemeridien.com & Ahmed.maher@starwoodhotels.com	(202) 24168994/95 22905055	40
Radisson Hotel	Standard Room US\$90.00 S&D Business Room US\$140.00 S&D Including breakfast Mention rate code(86950)	Abdel Hamid Badawi St. Sheraton Area Heliopolis	202) 26965657	reservations.cairo@radissonblu.com cc Sales.cairo@radissonblu.com www.radissonblu.com	(202) 26965655 26965656	40

HOTEL	RATE US \$	ADDRESS	TELEFAX NO.	E-MAIL	TELEPHONE NUMBER(s)	TRANSPORTATION BY TAXI TO MID OFFICE (fare)
Le Meridien Cairo Airport	Deluxe Room US\$135.00 S US\$145.00 D	Terminal 3, Cairo Airport – Heliopolis		ahmed.maher@starwoodhotels.com or visit website http://www.lemeridiencairoairport.com	(202) 22685103	20
Novotel Cairo Airport	Standard US \$110.00S US \$120.00D Superior US\$125.00S US\$135.00 (B&B) Incl. Service Charges & Taxes *	Cairo Airport	(202)2 2914794/26373530 Attention: Reservation Dept	h0502-sl@accor.com cc h0502-sb@accor.com h0502-sl@accor.com	(202)22918520 22918573 22918577	20
Le Passage	Superior US\$100.00 S US\$110.00r D Delux Room US\$125.00 S US\$135.00 D Executive Club Room US\$150.00S or US\$160.00D(Bed & Breakfast) Inclusive of Service Charge & Taxes	Cairo Airport	(202)2 4180761 Attention: Reservations Dept	Reservations@lepassage-hotels.com & wsalah.sm@lepassage-hotels.com	(202) 22929626 direct reservation or Direct Operator 22919400 22670099 22929635	20

HOTEL	RATE US \$	ADDRESS	TELEFAX NO.	E-MAIL	TELEPHONE NUMBER(s)	TRANSPORTATION BY TAXI TO MID OFFICE (fare)
Intercontinental Citystars	Standard US\$103.00 Bed only US\$118.00 Bed & Breakfast Club Intercontinental Room & Business Suite US\$173.00 Bed only US\$188.00 Bed & Breakfast Eecutive Suite US\$223.00 Bed only US\$238.00 Bed & Breakfast Supplement of U\$30.00 for double occupancy per room & US\$70.00 for Club Intercontinental per night	PO Box 1026 Cairo, Egypt	(202) 24800480	res.citystars@ihg.com cc noha.elbahrawy@ihg.com	(202)24800100 Ext 38	60
Holiday Inn Cairo Citystars	Standard US\$75.00 Bed only US\$86.00 Bed & Breakfast supplement US\$105.00 Bed only US\$116.00 Bed & Breakfast Executive Room US\$125.00 Bed only 136.00 Bed & Breakfast Superior Suite US\$150.00 Bed only US\$161.00 Bed and Breakfast Supplement of US\$20.00 for double occupancy& 50.00 for Executive Suites Per night	PO Box 1026 Cairo, Egypt	(202) 24800480	res.citystars@ihg.com cc noha.elbahrawy@ihg.com	(202)24800100 Ext 38	60

HOTEL	RATE US \$	ADDRESS	TELEFAX NO.	E-MAIL	TELEPHONE NUMBER(s)	TRANSPORTATION BY TAXI TO MID OFFICE (fare)
Fairmont Nile City	Fairmont Room US\$110.00S US\$130.00 D Delux US\$120.00S US\$140.00 Delux Nile Room US\$130.00S US\$150.00D Based on Bed & Breakfast & inclusive Service Charge & All Applicable taxes	Nile City Tower- 2005B Cornich El Nile, Ramlet Beaulac Cairo	(202) 24619595	Nilecity.reservations@fairmont.com Cc Shehab.elbermawy@fairmont.com www.fairmont.com	(202) 24619770	70
Hotel Beirut	US\$60.00 (S)	56, Beirut Street Heliopolis	(202) 22904065 or (202) 24159422 Attention: Reservation Dept	sales@beiruthotelseg.com Website: beiruthotelseg.com	(202) 22911092 24145079 22916048	50
Marriott Hotel	Delux Room US\$140.00 S & D Diplomatic Suite US\$315.00	Saray El Gezira St., Zamalek, Cairo	(202)27358240	cairomarriottreservation@marriott.com cc marwa.wanas@marriott.com	(202)27351090	70
Flamenco Hotel Reservation code: ICAO UN	Standard Room US \$ 82.00(SB+B) & US \$ 92.00(DB+B) Superior Room US\$102.00 (SB+B) & US\$ 102.00 (DB+B) Tripple Superior Room US\$129.00 Incl. Serv./Gov. Tax	2, El Guezira El Wosta St., Abu El Feda, Zamalek	(202) 27359312 Attention: Mr. Abdel Fattah El Rahman Senior Sales Manager	rescairo@flamencohotels.com salescairo@flamencohotels.com Sales@flamencohotels.com Website:www.flamencohotels.com	(202) 27350815	70

GENERAL CONDITIONS:

- To benefit from ICAO corporate kindly make sure to mention in your reservation request that you are a Participant in an ICAO Meeting, Seminar or Workshop.
- All above rates are subject to 12% service charge, 10% sales tax and 2% municipality tax.
- Method of payment should be stated in reservation request.
- In case of booking on guest account a credit card number as well as its expiry date should be submitted in order to guarantee the reservation.
- Special corporate rates are not valid during conferences or events, in which special conference rates will be applied.

CONDITIONS APPLICABLE TO CERTAIN HOTELS ONLY:

- * Complimentary meet and assist at Cairo International Airport (upon request 48 hours prior notice and full flight details are clearly forwarded).
- ** Free transportation from and to Cairo International Airport (scheduled shuttle bus service), full flight details to be provided to ensure the maximum level of service.

- *** Complimentary down town shuttle bus transportation several times a day.
- X One night cancellation fees will be charged in case of no show. Also, the hotel will reserve the right to release the booking 48 hours before the arrival date in case reservation was not guaranteed by either credit card or payment or a voucher.
- XX Meet and assist or transportation Service to/from Cairo Intl Airport can be arranged against charge. Requests can be sent via fax to the Reservation Department with at least 24 hours prior to arrival and need to be guaranteed by credit card.
- N.B. No ICAO corporate rates will be applicable upon arrival if no <u>PRIOR</u> reservations have been made, following above procedure. <u>Also no reservation</u> is made on the web (online) published rate as this will prevent from obtaining ICAO Corporate rates.