



International
Civil Aviation
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Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: AN 6/33.1 - 18/331

11 October 2018

Subject: **PBN OPS Approval Course**
(Beirut, Lebanon, 26 - 30 November 2018)

Action required: **Reply not later than 25 October 2018**

Sir,

I have the honour to invite your Administration/Organization to participate in the PBN OPS Approval Course that will be held in Beirut, Lebanon, from **26 to 30 November 2018**, as part of the initiation phase of the ICAO MID Region Flight Procedure Programme (MID FPP). The Course is thankfully hosted by the Lebanese Directorate General of Civil Aviation.

The course will be delivered by IATA, free of charge, (*instead of US\$3100 per participant*) as an in-kind contribution to the MID FPP and the ICAO MID Region. However, participants are responsible for their own travel arrangements, including hotel reservations, as well as travel and medical insurance.

The Course addresses the Performance-Based Navigation PBN approval process from the perspective of the State regulator as well as the air operator. Air operators will learn how to apply for the operational approval and what tasks are required in each of the five steps of the process. State regulators, will learn how to guide the air operator through the operational approval process. ATC will understand the requirement allowing the air operators to use the PBN procedures for consideration during the planning and implementation phases. The targeted audience is a mix of pilots and regulators involved in the PBN approval process as well as procedure designers and ATC.

The Course Schedule and the Bulletin that includes administrative arrangements for the course and other useful information for participants are at **Attachment A** and **B**, respectively.

Considering the limited number of seats, I would appreciate if you could, as soon as possible, preferably not later than **25 October 2018**, provide the ICAO MID Office with the names of **two (2)** candidates, by sending the Nomination Form at **Attachment C** to (icaomid@icao.int) with a copy to (ekhoury@icao.int).

I would like to draw your attention that nominations will be accepted on the basis of availability "first-come, first serve". However, acceptance of additional trainees could be considered at later stage based on the remaining available seats.

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The ICAO MID Office focal point for this course is Mr. Elie El Khoury, Regional Officer Air Traffic Management and Search and Rescue (ekhoury@icao.int) in case further information or support might be required.

Accept, Sir, the assurances of my highest consideration.



Mohamed Khalifa Rahma
Middle East Regional Director

Attachments



TCVT-38 PBN Operational Approvals

Course Schedule

Time	Day 1	Day 2	Day 3	Day 4	Day 5
0815 – 0830	Welcome to the PBN Operational Approval Course	Review Day 1	Review Day 2 Review of the PBN Concept	Review Day 3	Review Day 4
0830 – 0930	MODULE 1 GNSS Theory Review	MODULE 6 Oceanic, Enroute and Terminal NavSpecs	MODULE 11 PBN Implementation Process	MODULE 17 Review of AMC-20/26/27/28 RNP-AR, LNAV, LNAV/VNAV, LPV	DEBRIEF EXAM
0930 – 1015	MODULE 2 GPS Receivers and RAIM	MODULE 7 Approach NavSpecs	MODULE 12 TMA Operating Requirements	MODULE 18 Regulator, CAA, POI responsibilities	EXERCISE 9 Drafting of an Implementation AIC
1015 – 1030	BREAK	BREAK	BREAK	BREAK	BREAK
1030 – 1130	MODULE 3 Review of the PBN Concept	EXERCISE 2 Nav Specs – I EXERCISE 3 Nav Specs – II	MODULE 12 (Continued) TMA Operating Requirements	MODULE 19 AFI PBN Roadmap	EXERCISE 10 Review of Aircraft Flight Manual Statements
1130 – 1215	MODULE 3 (Continued) Review of the PBN Concept	EXERCISE 4 Nav Specs - III	MODULE 13 Operational Approval Process	EXERCISE 7 Avionics Service Letter	EXERCISE 11 Job Aid for RNAV 1 & RNAV 2 Approval
1215 – 1300	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1300 – 1400	EXERCISE 1 PBN Implementation Plans -Part 1	MODULE 8 PBN Manual Overview	MODULE 14 Publication Process	EXERCISE 8 Sample Implementation AICs	EXERCISE 12 Review of State Air Operators' Capabilities
1400 – 1500	MODULE 4 Area Navigation and PBN Systems	MODULE 9 Introduction to PBN Implementation (Defining Stakeholders)	MODULE 15 NavSpecs and applicable AC, AMC and TGL documentation	Pre-Exam Study Period	MODULE 20 Global PBN Task Force
1500 – 1515	BREAK	BREAK	BREAK	BREAK	BREAK
1515 – 1600	MODULE 4 (Continued) Area Navigation and PBN Systems	MODULE 10 PBN Implementation Activities (In chronological order)	MODULE 16 Review of TGL 10 (P-RNAV) and AC 90-100A (RNAV1)	WRITTEN EXAM	Review of Course
1600 – 1630	MODULE 5 Introduction to NavSpecs	EXERCISE 5 PBN Implementation Plans – Part II	EXERCISE 6 AC90-100A		Course Evaluation



International Civil Aviation Organization

**MID Flight Procedure Programme
PBN OPS Approval Course**

(Beirut, Lebanon, 26 - 30 November 2018)

BULLETIN

1. LOCATION

1.1 The PBN OPS Approval Course will be held in Beirut, Lebanon, from **26 to 30 November 2018**, as part of the initiation phase of the ICAO MID Region Flight Procedure Programme (MID FPP). The Course is thankfully hosted by the Lebanese Directorate General of Civil Aviation.

1.2 The Course will be delivered by IATA, free of charge, as in-kind contribution to the MID FPP and the ICAO MID Region.

2. SCHEDULE OF THE MEETING

2.1 The opening session of the Course will be held at 08:00 hours on Monday, 26 November 2018.

2.2 The schedule and order of the day will be announced at the opening session.

2.3 The Course 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 designated conference room, between 07:30 and 08:00 hours on the opening day of the Course. Participants are also requested to wear the Identification Badge which will be issued to them during registration.

4. DOCUMENTATION

4.1 Please note that no documentation will be available in hard copy format. However, documentation related to the Course will be provide on the first day. Accordingly, participants are requested to bring along their laptops to be able to download the course materials.

5. HOTEL RESERVATIONS

5.1 Participants will need to arrange their own hotel and travel reservations.

5.2 Participants are requested to ensure that their return airline booking is confirmed.

5.3 **Mr. Bassem Nasser**, email: ais@beirutairport.gov.lb Tel: + 961 3 242187 from the DGCA will be the focal point for any inquiry or issue with hotel reservations.

6. TRANSPORTATION

6.1 Participants are required to arrange their own transportation.

7. INSURANCE

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

8. SOME USEFUL TRAVEL INFORMATION

PASSPORT/VISA

8.1 All foreign nationals entering Lebanon must possess valid passports or other valid documents for travel. Documents with less than six months to run before expiry are not acceptable.

8.2 For information on the Entry Visa to Lebanon, participants are invited to check the Lebanese General Security Website <http://www.general-security.gov.lb/en/posts/38>, or consult the Lebanese Embassy/Consulate in their respective countries.

8.3 DGCA will provide necessary assistance for the issuance of entry Visas for the delegates, when needed.

CUSTOMS

8.4 Travelers' information on what could be brought into and out from Lebanon is available through the following link: http://www.customs.gov.lb/customs/laws_regulations/Traveller_Information.asp

9. CURRENCY, CREDIT CARDS AND BANKING SERVICES

9.1 The unit of currency in Lebanon is the **Lebanese Pound (LBP)**. The unit is divided into 1000 Lira with notes of 100, 250, 500, 1000, 5,000, 10,000 and 100,000 Liras 50. The USD to LBP exchange rate is around 1 US\$ = 1505 LBP.

9.2 International Credit Cards, such as American Express, Diners Club, Visa, Master Card, Carte Blanche, etc. are usually accepted at most hotels, department stores and restaurants.

9.3 All commercial banks exchange major foreign currencies are open from 0800 to 1400, Sundays through Thursdays. There are also plenty of foreign exchange houses who do accept foreign currency. There are plenty of ATM machines all over Lebanon which are strategically located. Moreover, payments with US\$ is accepted in Lebanon (no need to exchange to LBP).

10. OTHER USEFUL INFORMATION

10.1 A large variety of shopping choices are available in Grand Shopping Centers, Malls and Hypermarkets including all goods and demands that range from necessary stuff to luxurious ones.

11. WEATHER CONDITIONS

11.1 The main daily minimum and maximum temperatures for the month of November in Lebanon are between 15 °C and 25 °C. You may also wish to check the weather forecasting prior to travel.

12. OTHER ASSISTANCE

12.1 The Directorate General of Civil Aviation in Lebanon (DGCA) will be glad to assist the participants to the Course with any advice they may require.

12.2 In case of emergency in Lebanon, please call the Focal Point from the DGCA, Mr. Bassem Nasser, Tel.: +961 3 242187, E-mail: ais@beirutairport.gov.lb .

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
MID REGIONAL OFFICE**

PBN OPS APPROVAL COURSE

(Beirut, Lebanon, 26 - 30 November 2018)

NOMINATION FORM

PLEASE PRINT OR TYPE CLEARLY

Name in full: _____
Mr. / Mrs. / Ms. (as should appear in the official listing and name tag)

Title or Official Position: _____

State/Organization: _____

Mailing Address: _____

Telephone Number: _____

Mobile Number: _____

E-mail: _____

Hotel _____

Date: Signature:

After completing, please send to: ICAO MID Office at the following e-mail address: (icaomid@icao.int)
with copy to (ekhoury@icao.int).

Note: Participants are expected to make their own hotel/visa arrangement.