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GLOBAL AVIATION TRAINING  
TRAINAIR PLUS™



Air Navigation

# Performance-based Navigation (PBN) for Pilots



Online

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# Performance-based Navigation (PBN) for Pilots Online



PBN represents a shift from sensor-based to performance-based navigation. PBN routes and procedures are designed to meet a navigation specification which is defined in terms of accuracy, integrity, continuity and functionality for the proposed operations in the context of a particular airspace. PBN is increasingly becoming the normal method of navigation and all pilots need to understand the basic concepts and operational requirements.

## ► **GOAL:**

This course provides pilots an overview of the Performance-Based Navigation (PBN) concept, its principles and procedures for PBN operations.

## ► **COURSE OUTLINE:**

The following online modules cover:

1. Goal and objectives.
2. Overview.
3. PBN Concepts: Development of PBN. PBN Concept in detail. PBN Error Model.
4. PBN Operational Aspects: Planning and Pre-flight Operating in PBN airspace. SID/STAR procedures. Approach Procedures. Charts.
5. Issues: Flight Plan. RNAV Visual. GLS Approaches. Charting. Charting US-Canada.
6. Helicopters: RNP 0.3 Specification. Operating Procedures. Point in Space Approaches. PinS -Proceed Visual. PinS - Proceed VFR. Point in Space Departures. Visual Segment.

## ► **LEARNING OBJECTIVES:**

Upon completion of the course, participants will be able to accomplish the following:

- Explain the PBN concept;
- Provide information essential to pilots on how to operate on PBN routes and procedures.

## ► **TARGET POPULATION:**

- Commercial;
- General aviation pilots

## ► **STRUCTURE OF THE COURSE:**

Course duration: 5 hours

Delivery mode: Online

Language of instruction: English



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