



ICAO

GLOBAL AVIATION TRAINING
TRAINAIR PLUS™



Air Navigation

Performance-based Navigation (PBN) Overview



Online

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Performance-based Navigation (PBN) Overview 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, availability, continuity and functionality for the proposed operations in the context of a particular airspace. PBN implementation impacts all areas: aircraft operations, regulatory approvals and authorizations, training, instrument flight procedure design, airspace design, aircraft separation, etc. Understanding of the PBN concept and its principles becomes essential for all aviation stakeholders.

▶ **GOAL:**

This course provide a high-level overview of the Performance-Based Navigation (PBN) Concept and its principles. This course is the pre-requisite for further PBN training.

▶ **COURSE OUTLINE:**

The following online modules cover:

1. Introduction to PBN. PBN Concept. Area Navigation.
2. Area Navigation and PBN. RNAV Routes. SIDs, STARs. Airspace Development. ATC Considerations.

▶ **LEARNING OBJECTIVES:**

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

- Explain the PBN concept;
- Develop a common understanding and foundational PBN knowledge to serve as the basis for future, in-depth PBN courses;
- Explain the PBN components;
- Explain PBN implementation.

▶ **TARGET POPULATION:**

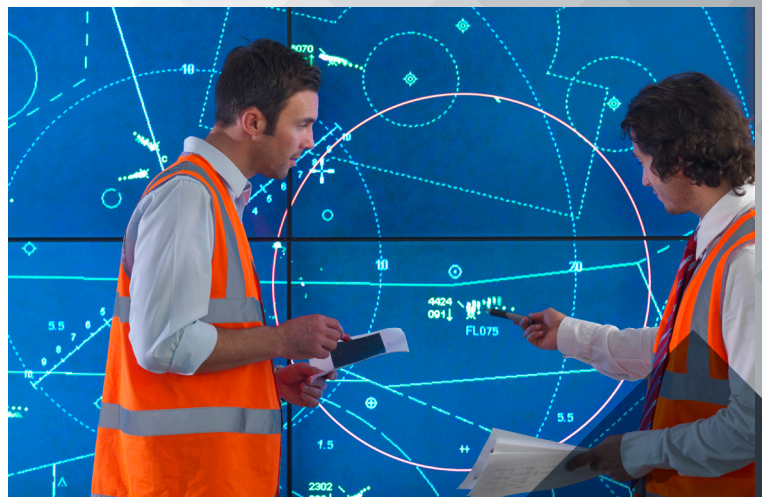
- Civil aviation authorities;
- Airline personnel

▶ **STRUCTURE OF THE COURSE:**

Course duration: 5 hours

Delivery mode: Online

Language of instruction: English



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